INSTITUTE OF CHEMICAL TECHNOLOGY

Deemed University under section 3 of UGC Act 1956 (Sept 12, 2008)

Elite Status and Centre of Excellence – Govt. of Maharashtra,

Category I Deemed to be University (MHRD/UGC)

A^{++} Grade by NAAC (CGPA 3.77/4.00)

Nathalal Parekh Marg, Matunga, Mumbai 400019, India

Tel: +91-22-3361 1001, Fax: +91-22-3361 1020

Website: www.ictmumbai.edu.in, email: vc@ictmumbai.edu.in

Professor (Dr.) A. B. Pandit

Vice Chancellor, Institute of Chemical Technology, Mumbai

AICTE Mandatory Disclosure

1. Name of the Institution

Name - Institute of Chemical Technology, Mumbai

Address - Nathalal Parekh Marg, Matunga, Mumbai – 400019

Telephone – 022-3361-1001

Email ID – vc@ictmumbai.edu.in

2. Name and address of the Trust/Society/Company and the Trustees

Name – Institute of Chemical Technology

Type of the Organization – Society

Registered with – Assistant Registrar of Societies, Greater Bombay Region

Registration Date – 28/06/2004

Registration No. - 2004/G.B.B.S.D./1023

State – Maharashtra City – Mumbai Pin – 400019

Trust Details

Name	Designation
Prof. A.B. Pandit	Chairman
Prof. R.A. Mashelkar	Chairperson
Mrs. Sandra Shroff	Member
Mr. Madhukar B. Parekh	Member
Dr. U. Shekhar	Member
Shri J.R. Shah	Member
Shri. Nitin Deshmukh	Member
Dr. Abhay Jere	Member
Prof. Manoj Kumar Tiwari	Member
Shri S.M. Vaidya	Invitee
Secretary, Higher and Technical Education	Member
Prof. P.V. Devarajan	Member
Prof. V.G. Gaikar	Member
Prof. R.V. Adivarekar	Member
Prof. B.F. Jogi	Secretary

3. Name and Address of the Vice Chancellor/Principal/Director

Name of the Vice Chancellor – Prof. (Dr.) Aniruddha B. Pandit

Address – Nathalal Parekh Marg, Matunga, Mumbai – 400019

Telephone – 022-3361-1001

Email ID – ab.pandit@ictmumbai.edu.in

4. Name of the affiliating University

NA

5. Governance

Members of the Board and their brief background	https://www.ictmumbai.edu.in/uploaded_files/BOG_page-0001.jpg
Members of Academic Advisory Body	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Frequently of the Board Meeting and Academic Advisory Body	https://www.ictmumbai.edu.in/uploaded_files/Minutes_of_the_30th_meeting_21-07-2023.pdf
Organizational chart and processes	https://www.ictmumbai.edu.in/uploaded_files/Citizen_Charter_ICT_Mumbai.pdf
Nature and Extent of involvement of Faculty and Students in academic affairs/improvements	https://www.ictmumbai.edu.in/res_innovation.aspx?sCatid=4
Mechanism/Norms and Procedure for democratic/good Governance	https://www.ictmumbai.edu.in/uploaded_files/ICT-Statutues-Approved-by-GoM.pdf
Student Feedback on Institutional Governance/ Faculty performance	https://www.ictmumbai.edu.in/uploaded_files/SSS_2020-21.pdf
Grievance Redressal mechanism for Faculty, Staff and Students	https://www.ictmumbai.edu.in/LodgeComplaint.aspx
Establishment of Anti Ragging Committee	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Establishment of Online Grievance Redressal Mechanism	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Establishment of Internal Complaint Committee (ICC)	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Establishment of Committee for SC/ST	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf
Internal Quality Assurance Cell	https://www.ictmumbai.edu.in/uploaded_files/All_Deans_Committees_21.1.2022.pdf

6. Programmes

- Name of Programmes approved by AICTE/ PCI

Level		Program Name
UG	B.Chem.Engg	Chemical Engineering
UG	B.Pharm	Pharmacy
UG	B.Tech	Food Engineering and Technology
UG	B.Tech	Fibres and Textiles Processing Technology
UG	B.Tech	Oils, Oleochemicals and Surfactants Technology
UG	B.Tech	Dyestuff Technology
UG	B.Tech	Polymer Engineering and Technology
UG	B.Tech	Surface Coating Technology
UG	B.Tech	Pharmaceutical Chemistry and Technology
PG	M.Chem.Engg	Chemical Engineering
PG	M.Pharm	Pharmaceutics
PG	M.Pharm	Medicinal Natural Products
PG	M.Pharm	Pharmaceutical Chemistry
PG	M.Tech	Food Engineering and Technology
PG	M.Tech	Oils, Oleochemicals and Surfactants Technology
PG	M.Tech	Fibres and Textiles Processing Technology
PG	M.Tech	Dyestuff Technology
PG	M.Tech	Polymer Engineering and Technology
PG	M.Tech	Surface Coating Technology
PG	M.Tech	Pharmaceutical Chemistry and Technology
PG	M.Tech	Plastic Engineering
PG	M.Tech	Bioprocess Technology
PG	M.Tech	Food Biotechnology
PG	M.Tech	Perfumery and Flavour Technology
PG	M.Tech	Green Technology
PG	M.Tech	Pharmaceutical Biotechnology

- Name of Programmes Accredited by NBA - **Annexure**

Sr. No.	**Programmes / Courses Accredited**	Duration of Accreditation	Years
1.	Bachelors of Chemical Engineering	09/02/2023 to 30/06/2028	5
2.	Bachelor of Pharmacy	30/01/2023 to 30/06/2028	5
3.	Bachelor of Dyestuff Technology	05/04/2023 to 30/06/2025	3
4.	Bachelor of Food Engineering and Technology	09/02/2023 to 30/06/2028	5
5.	Bachelor of Pharmaceutical Chemistry and Technology	14/06/2022 to 30/06/2028	6
6.	Bachelor of Surface Coating Technology	09/02/2023 to 30/06/2028	5
7.	Bachelor of Fibres and Textiles Processing Technology	05/04/2023 to 30/06/2025	3

8.	Bachelor of Oils, Oleochemicals and Surfactants Technology	09/02/2023 to 30/06/2028	5
9.	Bachelor of Polymer Engineering and Technology	09/02/2023 to 30/06/2028	5
10.	Master of Chemical Engineering	01/06/2022 to 30/06/2028	6
11.	Master of Technology in Dyestuff Technology	01/06/2022 to 30/06/2025	3
12.	Master of Technology in Food Engineering and Technology	03/03/2020 to 30/06/2026	6
13.	Master of Technology in Surface Coating Technology	01/06/2022 to 30/06/2028	6
14.	Master of Technology in Perfumery and Flavour Technology	01/06/2022 to 30/06/2028	6
15.	Master of Technology in Fibres and Textiles Processing Technology	01/06/2022 to 30/06/2028	6
16.	Master of Technology in Oils, Oleochemicals and Surfactants Technology	01/07/2023 to 30/06/2029	6
17.	Master of Technology in Polymer Engineering and Technology	01/06/2022 to 30/06/2028	6
18.	Master of Technology in Green Technology	01/06/2022 to 30/06/2028	6
19.	Master of Technology in Bioprocess Technology	01/07/2023to 30/06/2026	3
20.	Master of Technology in Food Biotechnology	01/06/2022 to 30/06/2028	6
21.	Master of Pharmaceutical Sciences and Technology	03/03/2020 to 30/06/2026	6
22.	ME Plastic Engineering	01/07/2023 to 30/06/2026	3

Sr. No.	**Applied for Accreditation**	Application ID No.
1.	Master of Pharmaceutical Biotechnology	NBA Application ID No. - 9229

- Status of Accreditation of the Courses

Total number of Courses	23
No. of Courses for which applied for Accreditation	1
Status of Accreditation-Preliminary/Applied for SAR and Results awaited/Applied for SAR and visits completed/ Results of the visits awaited/Rejected/Approved for… Courses (specify the number of courses)	1. Application ID No. – 9229

- NAAC Accreditation status

Sr. No.	**Accredited with Grade**	Duration of Accreditation	Years
1.	NAAC A++ with CGPA 3.77	27/11/2017 to 26/11/2022	5

- For each Programme the following details are to be given (Preferably in Tabular form):

Name of Programmes	**No. of Seats**	**Duration**	**Cut off marks/ Rank of Admission**						**Fee (in Rs.) 2023-24**	
			2023-24		**2022-23**		**2021-22**			
			Open	Reserved	Open	Reserved	Open	Reserved	Open	Reserved
Bachelor of Chemical Engineering	75	4	99.95	99.69	99.98	98.56	98.65	56.15	88,350/-	73,350/-
B.Tech in Dyestuff Technology	18	4	97.99	94.37	90.69	92.19	96.96	84.00	88,350/-	73,350/-
B.Tech in Food Engineering and Technology	16	4	98.34	95.39	98.13	97.16	98.65	79.95	88,350/-	73,350/-
B.Tech in Fibres and Textile Processing Technology	34	4	95.15	93.24	93.84	87.79	50.79	51.21	88,350/-	73,350/-
B.Tech in Oils, Oleochemicals and Surfactants Technology	16	4	97.74	95.27	96.77	94.81	87.07	92.31	88,350/-	73,350/-
B.Tech in Pharmaceutical Sciences and Technology	18	4	98.94	95.49	98.71	95.81	97.35	92.97	88,350/-	73,350/-
B.Tech in Polymer Engineering and Technology	16	4	98.50	95.87	98.48	97.35	85.64	82.17	88,350/-	73,350/-
B.Tech in Surface Coating Technology	16	4	97.63	97.25	97.61	94.49	68.53	30.33	88,350/-	73,350/-
Bachelor of Pharmacy	30	4	99.96	99.96	99.99	99.92	96.16	99.53	88,350/-	73,350/-
Master of Chemical Engineering	30	2	32	11	34	10	40	44	92,000/-	92,000/-
M.Tech in Dyestuff Technology	18	2	30	11	25	14	11	07	92,000/-	92,000/-
M.Tech in Food Engineering and Technology	18	2	38	07	34	11	42	14	92,000/-	92,000/-

M.Tech in Fibres and Textile Processing Technology	18	2	29	18	38	18	37	18	92,000/-	92,000/-
M.Tech in Oils, Oleochemicals and Surfactants Technology	18	2	40	07	24	14	23	11	92,000/-	92,000/-
M.Tech in Pharmaceutical Sciences and Technology	18	2	36	08	33	08	18	12	92,000/-	92,000/-
M.Tech in Polymer Engineering and Technology	18	2	31	07	29	11	20	13	92,000/-	92,000/-
M.Tech in Surface Coating Technology	18	2	29	11	31	09	30	11	92,000/-	92,000/-
M.Tech in Food Biotechnology	10	2	169.5	66	187	60.5	162.5	60.5	51,802/-	51,802/-
M.Tech in Bioprocess Technology	30	2	187.5	65	187	60.5	152.5	87.5	51,802/-	51,802/-
M.Tech in Perfumery and Flavour Technology	18	2	45	11	47	14	32	14	92,000/-	92,000/-
M.Tech in Green Technology	30	2	24	08	26	09	28	9	92,000/-	92,000/-
M.Tech in Pharmaceutical Biotechnology	15	2	187.5	65	187	60.5	123.5	112.5	51,802/-	51,802/-
Master of Plastic Engineering	18	2	27	11	30	11	24	16	92,000/-	92,000/-
Master of Pharmacy	18	2	100	29.37	316	50	357	211	92,000/-	92,000/-

Campus placement in last three years with minimum salary, maximum salary and average salary – **Annexure A**

- Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:

Details of the Foreign University	NA
Name of the University	NA
Address	NA
Website	NA

Accreditation status of the University in its Home Country	NA
Ranking of the University in the Home Country	NA
Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country	NA
Nature of Collaboration	NA
Complete details of payment a student has to make to get the full benefit of Collaboration	NA

- For each Programme Collaborate provide the following:

Programme Focus	NA
Number of seats	NA
Admission Procedure	NA
Fee (as approved by the state government)	NA
Placement Facility	NA
Placement Records for last three years with minimum salary, maximum salary and average salary	NA
Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval	NA

7. Faculty Members

- Course/Branch wise list Faculty members:

Sr. No.	Name of Faculty Members	Qualification	Department/ Course	Designation	Date of Joining	Nature of Association
1.	Prof. Anniruddha Bhalchandra Pandit	Ph.D.	Chemical Engineering	Professor	01-01-1991	Regular
2.	Prof. Sunil Subhash Bhagwat	Ph.D.	Chemical Engineering	Professor	18-11-1986	Regular
3.	Prof. Vilas Gajanan Gaikar	Ph.D.	Chemical Engineering	Professor	28-08-1985	Regular
4.	Prof. Lakshmi Mannepalli	Ph.D.	Chemical Engineering	Professor	02-12-2015	Regular
5.	Prof. Parag Ratnakar Gogate	Ph.D.	Chemical Engineering	Professor	03-07-2007	Regular
6.	Prof. Anand Vinayak Patwardhan	Ph.D.	Chemical Engineering	Professor	18-12-2007	Regular
7.	Prof. Virendra Kisan Rathod	Ph.D.	Chemical Engineering	Professor	01-04-2003	Regular
8.	Prof. Bhaskar Narayan Thorat	Ph.D.	Chemical Engineering	Professor	25-11-1994	Regular
9.	Prof. Prakash Dhundiraj Vaidya	Ph.D.	Chemical Engineering	Professor	01-08-2007	Regular
10.	Prof. Ashwin Wasudeo Patwardhan	Ph.D.	Chemical Engineering	Professor	08-06-1998	Regular
11.	Prof. Channamallikarjun S. Mathpati	Ph.D.	Chemical Engineering	Professor	16-09-2008	Regular
12.	Dr. Kumudini Vinayak Marathe	Ph.D.	Chemical Engineering	Associate Professor	01-02-1992	Regular
13.	Dr. Parag Ramesh Nemade	Ph.D.	Chemical Engineering	Associate Professor	01-01-2011	Regular
14.	Dr. Vishwanath Haily Dalvi	Ph.D.	Chemical Engineering	Associate Professor	05-08-2011	Regular
15.	Dr. Sachin Jadhav	Ph.D.	Chemical Engineering	Assistant Professor	22-05-2018	Regular
16.	Dr. Manish Kumar Yadav	Ph.D.	Chemical Engineering	Assistant Professor	24-09-2019	Regular
17.	Dr. Yogesh Hanumannt Shinde	Ph.D.	Chemical Engineering	Assistant Professor	15-06-2023	Regular
18.	Dr. Mandar Prakash Badve	Ph.D.	Chemical Engineering	Assistant Professor	23-06-2023	Regular
19.	Dr. Ramajanaki Iyer	Ph.D.	Chemical Engineering	Associate Professor	01-01-2021	Contract
20.	Prof. Bhalchandra Mahadeo Bhanage	Ph.D.	Chemistry	Professor	31-12-2003	Regular
21.	Prof. Atul Changdev Chaskar	Ph.D.	Chemistry	Professor	15-07-2022	Regular
22.	Dr. Pavan Manohar More	Ph.D.	Chemistry	Assistant Professor	29-10-2015	Regular
23.	Dr. Shraeddha Sudheer Tiwari	Ph.D.	Chemistry	Assistant Professor	26-02-2015	Regular

24.	Dr. Anant Ramakant Kapdi	Ph.D.	Chemistry	Assistant Professor	01-01-2014	Regular
25.	Dr. Sudam Ganapat Dawande	Ph.D.	Chemistry	Assistant Professor	04-01-2016	Regular
26.	Dr. Vijay Kumar Akkilagunta	Ph.D.	Chemistry	Assistant Professor	26-02-2015	Regular
27.	Dr. Rahul Vitthal PInjari	Ph.D.	Chemistry	Assistant Professor	27-06-2023	Regular
28.	Prof. Samir Ramesh Kulkarni	Ph.D.	Biological Science And Biotechnology	Professor	09-06-2022	Regular
29.	Dr. Ratnesh Dharamchandra Jain	Ph.D.	Biological Science And Biotechnology	Associate Professor	01-01-2012	Regular
30.	Dr. Aniket Krishnarao Gade	Ph.D.	Biological Science And Biotechnology	Associate Professor	30-08-2022	Regular
31.	Dr. Gunjan Alok Prakash	Ph.D.	Biological Science And Biotechnology	Assistant Professor	15-06-2023	Regular
32.	Dr. Mayur Ramrao Ladole	Ph.D.	Biological Science And Biotechnology	Assistant Professor	15-06-2023	Regular
33.	Dr. Chandrakant Ramnath Holkar	Ph.D.	Biological Science And Biotechnology	Assistant Professor	21-08-2023	Regular
34.	Dr. Ananda Jaysing Jadhav	Ph.D.	Biological Science And Biotechnology	Assistant Professor	15-09-2023	Regular
35.	Dr. Shamlan Mohd Shafi Reshamwala	Ph.D.	Biological Science And Biotechnology	Assistant Professor	15-11-2011	Contract
36.	Dr. Manju Bishan Sharma	Ph.D.	Biological Science And Biotechnology	Assistant Professor	24-01-2017	Contract
37.	Dr. Hitesh Suresh Pawar	Ph.D.	Biological Science And Biotechnology	Assistant Professor	24-01-2017	Contract
38.	Prof. Ashok Athalye	Ph.D.	Fibres and Textile Processing Technology	Professor	02-12-2019	Regular
39.	Prof. Ravindra Vithal Adivarekar	Ph.D.	Fibres and Textile Processing Technology	Professor	30-12-2003	Regular
40.	Prof. Ravindra Dondiba Kale	Ph.D.	Fibres and Textile Processing Technology	Professor	08-04-2003	Regular
41.	Dr. Sandeep Pandharinathrao More	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	15-06-2023	Regular
42.	Dr. Kedar Kulkarni	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	30-06-2022	Regular
43.	Dr. Santosh Shivaji Biranje	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	15-06-2023	Regular
44.	Dr. Pallavi Sharad Badhe	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	15-06-2023	Regular
45.	Dr. Saptarshi Maiti	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	01-09-2022	Contract
46.	Prof. Uday Shriramrao Annapure	Ph.D.	Food Engineering and Technology	Professor	16-04-2003	Regular
47.	Prof. Rekha Satishchandra Singhal	Ph.D.	Food Engineering and Technology	Professor	14-03-1991	Regular

48.	Prof. Shalini Subhash Arya	Ph.D.	Food Engineering and Technology	Professor	25-07-2008	Regular
49.	Dr. Jyoti Sagar Gokhale	Ph.D.	Food Engineering and Technology	Assistant Professor	16-06-2014	Regular
50.	Dr. Snehasis C. Chakraborty	Ph.D.	Food Engineering and Technology	Assistant Professor	29-10-2015	Regular
51.	Dr. Roji Balaji Waghmare	Ph.D.	Food Engineering and Technology	Assistant Professor	15-06-2023	Regular
52.	Dr. Yogesh Shrinivas Gat	Ph.D.	Food Engineering and Technology	Assistant Professor	15-06-2023	Regular
53.	Dr. Nirali Jigar Dedhia	Ph.D.	Food Engineering and Technology	Assistant Professor	15-06-2023	Regular
54.	Prof. Suresh Pandurang Deshmukh	Ph.D.	General Engineering	Professor	13-05-1997	Regular
55.	Prof. Vivek Ramdas Gaval	Ph.D.	General Engineering	Professor	06-01-1992	Regular
56.	Prof. Dilip Dhondu Sarode	Ph.D.	General Engineering	Professor	12-06-1997	Regular
57.	Prof. Sujit Nath Sahai	Ph.D.	General Engineering	Professor	17-10-1998	Regular
58.	Dr. Prerna Prateek Goswami	Ph.D.	General Engineering	Associate Professor	06-06-1998	Regular
59.	Dr. Vikramsinha Korpale	Ph.D.	General Engineering	Assistant Professor	15-06-2023	Regular
60.	Dr. Sachin Ganeshrao Solanke	Ph.D.	General Engineering	Assistant Professor	15-06-2023	Regular
61.	Dr. Deepankar Biswas	Ph.D.	General Engineering	Assistant Professor	09-01-2020	Contract
62.	Mrs. Madhavi Milind Wadkar	Ph.D.	Library & Information Science	Other	01-06-2016	Regular
63.	Mr. Amogh Suresh Lokhande	Ph.D.	Library & Information Science	Other	27-02-2006	Regular
64.	Prof. Ajit - Kumar	Ph.D.	Mathematics	Professor	01-04-2004	Regular
65.	Dr. Amiya Ranjan Bhowmick	Ph.D.	Mathematics	Assistant Professor	15-06-2023	Regular
66.	Dr. Gunvant Achutrao Birajdar	Ph.D.	Mathematics	Assistant Professor	01-08-2023	Regular
67.	Dr. Akshay Sakharam Rane	Ph.D.	Mathematics	Assistant Professor	18-08-2018	Regular
68.	Dr. Vikram Aithal	Ph.D.	Mathematics	Assistant Professor	02-08-2021	Contract
69.	Prof. Ravindra Dattatraya Kulkarni	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Professor	04-11-2016	Regular
70.	Prof. Amit Prabhakar Pratap	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Professor	29-12-2003	Regular
71.	Prof. Jyotsna Sanjeev Waghmare	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Professor	03-04-2003	Regular
72.	Dr. Chandu Shankarrao Madankar	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Assistant Professor	31-03-2015	Regular
73.	Dr. Pintu Kumar Kundu	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Assistant Professor	23-05-2018	Regular

74.	Prof. Shreerang Vidyadhar Joshi	Ph.D.	Pharmaceutical Sciences and Technology	Professor	04-04-2016	Regular
75.	Prof. Prashant Kharkar	Ph.D.	Pharmaceutical Sciences and Technology	Professor	19-10-2019	Regular
76.	Prof. Purnima Dhanraj Amin	Ph.D.	Pharmaceutical Sciences and Technology	Professor	07-11-1987	Regular
77.	Prof. Ganesh Ulhasrao Chaturbhuj	Ph.D.	Pharmaceutical Sciences and Technology	Professor	29-04-2006	Regular
78.	Prof. Mariam Sohel Degani	Ph.D.	Pharmaceutical Sciences and Technology	Professor	06-10-1998	Regular
79.	Prof. Padma Venkitachalam Devarajan	Ph.D.	Pharmaceutical Sciences and Technology	Professor	21-09-1991	Regular
80.	Prof. Kirtikumar S. Laddha	Ph.D.	Pharmaceutical Sciences and Technology	Professor	05-01-1989	Regular
81.	Prof. Vandana Bharatkumar Patravale	Ph.D.	Pharmaceutical Sciences and Technology	Professor	20-04-1991	Regular
82.	Prof. Sadhana S Sathaye	Ph.D.	Pharmaceutical Sciences and Technology	Professor	03-07-1998	Regular
83.	Prof. Vikas Narendra Telvekar	Ph.D.	Pharmaceutical Sciences and Technology	Professor	12-05-2003	Regular
84.	Prof. Pradeep Ratilal Vavia	Ph.D.	Pharmaceutical Sciences and Technology	Professor	01-12-1993	Regular
85.	Dr. Nitin Dnyaneshwar Arote	Ph.D.	Pharmaceutical Sciences and Technology	Associate Professor	30-06-2022	Regular
86.	Dr. Shirishkumar Damodar Ambavade	Ph.D.	Pharmaceutical Sciences and Technology	Associate Professor	10-08-2022	Regular
87.	Dr. Hemchandra Keshav Chaudhari	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	25-03-2015	Regular
88.	Dr. Prajakta Ratnesh Dandekar	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	16-01-2012	Regular
89.	Dr. Galvina Ritesh Pereira	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	16-06-2023	Regular
90.	Dr. Sathish Dyawanapelly	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	29-12-2017	Contract
91.	Prof. Rajendrasing R. Deshmukh	Ph.D.	Physics	Professor	24-06-1996	Regular
92.	Prof. Mohan Narayan Narayan	Ph.D.	Physics	Professor	01-03-2006	Regular
93.	Dr. Neetu Jha	Ph.D.	Physics	Assistant Professor	24-01-2012	Regular
94.	Dr. Ashwin Mohan	Ph.D.	Physics	Assistant Professor	09-12-2015	Regular
95.	Dr. Paresh Hiralal Salame	Ph.D.	Physics	Assistant Professor	26-06-2018	Regular
96.	Dr. Archana Sarjerao Kamble	Ph.D.	Physics	Assistant Professor	01-06-2018	Regular

97.	Dr. Shraddha C. Shirbhate	Ph.D.	Physics	Assistant Professor	15-06-2023	Regular
98.	Prof. Prakash Anna Mahanwar	Ph.D.	Polymer and Surface Engineering	Professor	02-03-1992	Regular
99.	Prof. Ramanand Namdeo Jagtap	Ph.D.	Polymer and Surface Engineering	Professor	23-11-1993	Regular
100.	Prof. Shashank Tejrao Mhaske	Ph.D.	Polymer and Surface Engineering	Professor	29-12-2003	Regular
101.	Prof. Anagha Shyamsunder Sabnis	Ph.D.	Polymer and Surface Engineering	Professor	25-08-2008	Regular
102.	Dr. Adarsh Ramesh Rao	Ph.D.	Polymer and Surface Engineering	Associate Professor	07-04-2003	Regular
103.	Dr. Dipak Vitthal Pinjari	Ph.D.	Polymer and Surface Engineering	Associate Professor	13-01-2021	Regular
104.	Dr. Aarti More	Ph.D.	Polymer and Surface Engineering	Assistant Professor	01-11-2019	Regular
105.	Dr. GS Jyoti Mohanty	Ph.D.	Polymer and Surface Engineering	Assistant Professor	04-07-2023	Contract
106.	Dr. Siddhesh Umesh Mestry	Ph.D.	Polymer and Surface Engineering	Assistant Professor	04-07-2023	Contract
107.	Prof. Sekar Nethi	Ph.D.	Speciality Chemicals Technology	Professor	17-02-1988	Regular
108.	Prof. Ganapati Subray Shankarling	Ph.D.	Speciality Chemicals Technology	Professor	20-02-2006	Regular
109.	Dr. Satyajit Saha	Ph.D.	Speciality Chemicals Technology	Assistant Professor	02-02-2015	Regular
110.	Dr. Surajit Some	Ph.D.	Speciality Chemicals Technology	Assistant Professor	17-09-2014	Regular
111.	Dr. Nabanita Sadhukhan	Ph.D.	Speciality Chemicals Technology	Assistant Professor	01-04-2016	Regular
112.	Dr. Subrahmanyam Venkata Garimella	Ph.D.	Speciality Chemicals Technology	Assistant Professor	27-06-2023	Regular

Number of Faculty employed and left during the last three years (2021-22 to 2023-24)

Sr. No.	Faculty Name	Department/ Course	Designation	Employed Date	Left Date
1.	Dr. Vikram Aithal	Mathematics	Assistant Professor	02-08-2021	-
2.	Prof. Samir Ramesh Kulkarni	Biological Science And Biotechnology	Professor	09-06-2022	-
3.	Dr. Kedar Kulkarni	Fibres And Textile Processing Technology	Associate Professor	30-06-2022	-
4.	Dr. Nitin Dnyaneshwar Arote	Pharmaceutical Sciences And Technology	Associate Professor	30-06-2022	-
5.	Prof. Atul Changdev Chaskar	Chemistry	Professor	15-07-2022	-
6.	Dr. Shirishkumar D. Ambavade	Pharmaceutical Sciences And Technology	Associate Professor	10-08-2022	-
7.	Dr. Aniket Krishnarao Gade	Biological Science And Biotechnology	Associate Professor	30-08-2022	-
8.	Dr. Saptarshi Maiti	Fibres And Textile Processing Technology	Assistant Professor	01-09-2022	-
9.	Dr. Gunjan Alok Prakash	Biological Science And Biotechnology	Assistant Professor	15-06-2023	-
10.	Dr. Mayur Ramrao Ladole	Biological Science And Biotechnology	Assistant Professor	15-06-2023	-

11.	Dr. Sandeep P. More	Fibres And Textile Processing Technology	Assistant Professor	15-06-2023	-
12.	Dr. Santosh Shivaji Biranje	Fibres And Textile Processing Technology	Assistant Professor	15-06-2023	-
13.	Dr. Pallavi Sharad Badhe	Fibres And Textile Processing Technology	Assistant Professor	15-06-2023	-
14.	Dr. Sachin Ganeshrao Solanke	General Engineering	Assistant Professor	15-06-2023	-
15.	Dr. Vikramsinha Korpale	General Engineering	Assistant Professor	15-06-2023	-
16.	Dr. Amiya Ranjan Bhowmick	Mathematics	Assistant Professor	15-06-2023	-
17.	Dr. Yogesh H. Shinde	Chemical Engineering	Assistant Professor	15-06-2023	-
18.	Dr. Roji Balaji Waghmare	Food Engineering And Technology	Assistant Professor	15-06-2023	-
19.	Dr. Yogesh Shrinivas Gat	Food Engineering And Technology	Assistant Professor	15-06-2023	-
20.	Dr. Nirali Jigar Dedhia	Food Engineering And Technology	Assistant Professor	15-06-2023	-
21.	Dr. Shraddha C. Shirbhate	Physics	Assistant Professor	15-06-2023	-
22.	Dr. Galvina Ritesh Pereira	Pharmaceutical Sciences And Technology	Assistant Professor	16-06-2023	-
23.	Dr. Mandar Prakash Badve	Chemical Engineering	Assistant Professor	23-06-2023	-
24.	Dr. Rahul Vitthal Pinjari	Chemistry	Assistant Professor	27-06-2023	-
25.	Dr. Subrahmanyam Venkata Garimella	Speciality Chemicals Technology	Assistant Professor	27-06-2023	-
26.	Dr. GS Jyoti Mohanty	Polymer And Surface Engineering	Assistant Professor	04-07-2023	-
27.	Dr. Siddhesh Umesh Mestry	Polymer And Surface Engineering	Assistant Professor	04-07-2023	-
28.	Dr. Gunvant A. Birajdar	Mathematics	Assistant Professor	01-08-2023	-
29.	Dr. Chandrakant R. Holkar	Biological Science And Biotechnology	Assistant Professor	21-08-2023	-
30.	Dr. Ananda Jaysing Jadhav	Biological Science And Biotechnology	Assistant Professor	15-09-2023	-
31.	Dr. Usha Sayed	Fibres and Textile Processing Technology	Professor	-	30-11-2021
32.	Prof. Laxmi Ananthanarayan	Food Engineering And Technology	Professor	-	30-09-2022
33.	Dr. M.A.K. Kerawalla	General Engineering	Associate Professor	-	31-03-2023
34.	Dr. V.V. Shertukde	Polymer And Surface Engineering	Associate Professor	-	30-06-2022

8.Profile of Vice Chancellor/Director/Principal/Faculty

For each Faculty give a page covering with Passport size photograph	https://www.ictmumbai.edu.in/EMPBiodata.aspx
Name	
Date of Birth	
Unique ID	
Education Qualifications	

- **Work Experience**

Teaching	https://www.ictmumbai.edu.in/EMPBiodata.aspx
Research	
Industry	
Others	
Area of Specialization	
Courses taught at Diploma/Post Diploma/Under Graduate/Post Graduate Diploma Level	

- **Research guidance (Number of Students)**

No.of papers Published in National/International Journals/Conference	https://www.ictmumbai.edu.in/EMPBiodata.aspx
Master (Completed/Ongoing)	
Ph.D (Completed/Ongoing)	
Projects Carried Out	
Patents (Filed & Granted)	
Technology Transfer	
Research Publications (No.of Papers Published in National/International Journals/Conference)	
No.of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	

9. Fee

Details of Fee, as approved by State Fee Committee, for the Institution	**Annexure E**
No. of Fee waivers granted with amount and name of students	NA
Number of scholarship offered by the Institution, duration and amount	The ICT supports 251 students under merit-cum-means scholarships. The range is Rs. 3000/- to Rs. 75,000/ per

	annum per person through several endowments, private trust and annual commitments by alumni. https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf Page No. 242
Criteria for Fee waivers/scholarship	https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf
Estimated cost of Boarding and Lodging in Hostels	https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf Page No. 225
Any other fee please specify	NA

10. Admission

- Number of seats sanctioned with the year of approval
  https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2024-25.PDF

- Number of Students admitted under various categories each year in the last three years **Annexure B**

- Number of applications received during last two years for admission under Management Quota and number admitted
  No Management Quota

11. Admission Procedure

Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)	https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf
Number of seats allotted to different Test Qualified Candidate separately (AIFFE/CET (State conducted test/University tests/CMAT/GPAT)/ Association conducted test etc.)	https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf

- **Calendar for admission against Management/vacant seats:**

Last date of request for application	Not Applicable
Last date of submission of applications	
Dates for announcing final results	

Release of admission list (main list and waiting list shall be announced on the same day)	
Date for acceptance by the candidate (time given shall in no case be less than 15 days)	
Last date for closing of admission	
Starting of the Academic session	
The waiting list shall be activated only on the expiry of date of main list	
The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	

12. Criteria and Weightages for Admission

Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf
Mention the minimum Level of acceptance, if any	
Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years	
Display marks scored in Test etc. and in aggregate for all candidates who were admitted	

13. List of Applicants:

List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)	Not Applicable

14. Results of Admission under Management seats/vacant seats

Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)	Not Applicable
Score of the individual candidate admitted arranged in order or merit	
List of the individual candidate admitted arranged in order or merit	
Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list	

candidate	
List of the candidate who joined within the date, vacancy position in each category before operation of waiting list	

15. Information of Infrastructure and Other Resources Available

Number of Class Rooms, Tutorial rooms and size of each

Room Id/Name	Area of Room in sqm
A 103	57.13
A 104	51.32
A 106	25.78
A 135(MAT)-A	38.76
A 135(MAT)-B	30.01
A 152	25.73
A 203	88.18
A 205	88.31
A 206	61.97
A 210	38.38
A 220	55.94
A 222A	36.26
A 222B	40.02
DYE 1	32.49
DYE 2	32.49
E 305 (ME PLASTIC)	100.7
F 103(OILS)	21.93
F 130B(OILS)	21.93
GE 101-A	96.15
GE 101-B	96.15
H 103	121.92
H 104	141.48
IPC/COMPUTER LAB	140.29
KV AUDITORIUM	175.98
LALWANI 1	32.49
LALWANI 2	32.49
LALWANI SEMINAR HALL	27.4
PHYSICS 1	27.88
PHYSICS 2	81.07
TXT 1	37.68
TXT 2	37.56
TXT(PTL)	37.68

Number of Laboratories and size of each

Room Id/Name	Area of Room in sqm
A 239	78.74
A 103	130.53
A 117	346.89
A 126	78.1
A 129	152.51
A 134	148.83
A 163	90.31
A 169	102.81
A 243	126.29
A 248	124.66
A 249	58.31
A 250	75.33
A 289	104.77
A1 250	39.66
A 239A	76.88
A 240	189.72
A 241	71.92
A 250A	76.33
A 257	93.12
A 261	86.85
A 284	24.13
A 286	37.78
A 288	40.95
A 293	62.86
A 294	76.88
C 106	50.96
C 109	188.6
DYL 1	211.77
DYL 2	117.18
E 101	337
E 206	85.69
E 304	26.93
F 101	185.5
F 165	165.46
F 203	114.97
F 206	218.83
F 301	127.16
M 101	146.05

Number of Drawing Halls with capacity of each

Room Id/Name	Area of Room in sqm
E205	16.59
E304-1	127.68
E304-2	100.7

Number of Computer Centres with capacity of each

Room Id/Name	Area of Room in sqm
IPC	280

Central Examination Facility, Number of rooms and capacity of each

Room Id/Name	Area of Room in sqm
CAP Centre	160
Exam Office	100

Online examination facility (Number of Nodes, Internet bandwidth, etc.)	IPC computer lab available 100+ PC and 1000+100+74= 1175 mbps internet bandwidth (total 3 Internet lease lines)		
Barrier Free Built Environment for disabled and elderly persons	Yes		
Occupancy Certificate	Yes		
Fire and Safety Certificate	Yes		
Hostel Facilities	Hostel 1	3268	283
	Hostel 2	1818	216
	Hostel 3	1768	129
	Hostel 5	8094	449

- **Library**

Number of Library books/Titles/Journals available (Programme-wise)

Programme	Number of Titles	Number of Volumes	Number of Journals Published in India	Number of Journals Published at Abroad	Number of e-Book Titles - PG	Number of e-Book Volumes - UG	Number of e-Book Titles - Diploma
Engineering and Technology	28,981	61,320	18	4,322	516	68	400

List of online National/International Journals subscribed & E-Library facilities -

Program	Select Publisher	Publisher Name
Engineering and Technology	BENTHAM	Bentham
Engineering and Technology	ELSEVIER	Scopus, Reaxys, Science Direct
Engineering and Technology	Emerald Group Publishing Ltd.	Emerald Group Publishing Ltd.
Engineering and Technology	J-Gate	J-Gate
Engineering and Technology	Nature Publishing Group	Nature Publishing Group
Engineering and Technology	OTHERS	ACS, RSC, T&F, WEB of SCIENCE, Scifinder,Begell, Jove, IOP, Thieme
Engineering and Technology	Springer	Springer Nature
Engineering and Technology	Wiley-Blackwell	eSS 902 collection

National Digital Library (NDL) subscription details	Membership No. - INMHNCGYVCVEMXQ

- **Laboratory and Workshop**

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Engineering and Technology	CHEMICAL ENGINEERING	Under Graduate	UG CHEMICAL ENGINEERING LABORATORY	HPLC, UV Vis Spectrophotometer, GC, Ultrasonic Bath, Densitometer, Reverse Osmosis Plant	Main Building	1
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	ANALYTICAL LAB-1	GC, ICP -MS, AAS, Rheometer, Confocal Microscope, UV-Vis Spectrophotometer	Main Building	1
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	ANALYTICAL LAB-2	HR-MS, HPLC, Ion Chromatography, UV-Vis Spectrophotometer	Main Building	1
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	ANALYTICAL LAB-3	XPS, Surface Area Analyzer, High Speed Centrifuge	Main Building	1
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	BIOLOGICAL CHARACTERIZATION	High Speed Centrifuge, Micro Reactors, Freeze Dryers, HPLC	Main Building	1
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	DST-FIST & UGC-CAS SUPPORT LAB 1	Liquid Nitrogen Plant, High Spped Centrifuge	Oils Building	4
Engineering and Technology	CHEMICAL ENGINEERING	Post Graduate	DST-FIST & UGC-CAS SUPPORT LAB 2	Optical microscope, SEM, HR-TEM, XRD, Zeta Sizer,Osmometer, Capillary Electrophoresis	Oils Building	4
Engineering and Technology	CHEMISTRY	Under Graduate	ORGANIC CHEMISTRY LABORATORY 1	Glass ware	Main Building	1
Engineering and Technology	CHEMISTRY	Under Graduate	PHYSICAL CHEMISTRY LABORATORY 1	pH Meter, colorimeter, titration set up	Main Building	1
Engineering and Technology	CHEMISTRY	Under Graduate	ANALYTIC CHEMISTRY LABORATORY 1	pH Meter, colorimeter, titration set up	Advanced Centre Building	2
Engineering and Technology	CHEMISTRY	Post Graduate	INSTRUMENTATION LABORATORY	GC, HPLC, IR, UV, GCMS	Advanced Centre Building	2
Engineering and Technology	CHEMISTRY	Post Graduate	ORGANIC CHEMISTRY LABORATORY 2	Glass ware	Main Building	1
Engineering and Technology	CHEMISTRY	Post Graduate	PHYSICAL CHEMISTRY LABORATORY 2	pH Meter, colorimeter, titration set up	Main Building	1
Engineering and Technology	CHEMISTRY	Post Graduate	ANALYTIC CHEMISTRY LABORATORY 2	pH Meter, colorimeter, titration set up	Advanced Centre Building	2
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	ANALYTICAL LABORATORY	Infrared Spectrophotometer (FTIR), Kjeldahl Apparatus, GC with headspace sampler, Elemental analyzer	DBT-ICT	11

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	ENZYME TECHNOLOGY LABORATORY	UV-VIS Spectrophotometers, Accelerated Solvent Extraction Systems, 3L to 5L Bioreactors	DBT-ICT	11
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	FERMENTATION LABORATORY	Olympus Microscope Model IX51 with camera and software, Anaerobic work stations	DBT-ICT	11
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	MACRO ALGAE CHAMBER	Algal Stirred tank Reactors and Algal Photo Bioreactor	DBT-ICT	11
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	MOLECULAR BIOLOGY LABORATORY	PCR and RT-PCR, Nano Drop, Robotic Liquid Handling System-Cell Explorer	DBT-ICT	11
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	PREPARATIVE FACILITY	High-pressure reactors, 10-25L Membrane filtrations systems, 5-20L Biogas reactors	DBT-ICT	11
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	SEPARATION LABORATORY	Lyophilizer, Spray drying unit, MF/UF/NF Membrane systems, FPLC systems	DBT-ICT	11
Engineering and Technology	DBT-ICT Centre for Energy Biosciences	Post Graduate	ALGAE LABORATORY	Pulse Amplitude Modulated Fluorimeter (PAM), Algal Stirred tank Reactors	DBT-ICT	11
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	ADVANCED TEXTILE LAB-1 (A-267)	TGA, DSC, Tensile strength tester, UV-Visible spectrophotometer	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	ADVANCED TEXTILE LAB-2 (A-268)	Tensiometer, Nano paricle size analyser, Contact angle analyser	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	ADVANCED TEXTILE LAB-3 (A-142)	XRD, Electrospinning machine, Microscope	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	DYE HOUSE (A-140)	LOI,Lain,Hot air oven, water bath, Magnetic stirrer,Steamer, Laundrometer	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	EXPRIMENTAL DYEING LAB (A-141)	Dyeing Baths, Vertical flame Retardant machine	Main Building	1
Engineering and	FIBRES AND	Under	PHYSICAL TESTING LAB (A-	Electrometer, Static charge	Main Building	1

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Technology	TEXTILES PROCESSING TECHNOLOGY	Graduate	271)	analyser, GSM cutter, Perspirometer, Drape-O-METER		
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE CHEMICAL ANALYSIS LAB (A-143)	Burette, Pipette, Hot Plate	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE COMPOSITE LAB (A-140)	Melt spinning, Compresser moulding machine, Twin excruder	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-1 (A-263)	Shaker bath, Reaction hood, Rota evaporator, Open bath beaker dyeing machine, Distillation unit, U.V	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-2 (A-262)	Olympus Laser Microscope	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-3 (A-265)	Ultrasonicator, Centrifuge, Vaccume pump, HTHP	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-4 (A-264)	Distillation unit, Light fastness tester, Rota evaporator	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-6 (A-145)	Furnace, Ultrasonicator, Vaccum oven, Shaker bath	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-7 (A-149)	Laminar air flow, Rota evaporator, Hot air oven	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	TEXTILE REASEARCH LAB-8 (A-151)	Centifuge, Incubator, Sonicator, EMI Sheilding, BET Analyser	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES	Post Graduate	ADVANCED TEXTILE LAB-1(A-267)	TGA, DSC, Tensile strength tester, UV-Visible spectrophotometer	Main Building	1

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
	PROCESSING TECHNOLOGY					
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	ADVANCED TEXTILE LAB-2(A-268)	Tensiometer, Nano paricle size analyser, Contact angle analyser	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	ADVANCED TEXTILE LAB-3(A-142)	XRD, Electrospinning machine, Microscope	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	DYE HOUSE(A-140)	HTHP,Stenter,Winch,Soft flow,CDR,Jigger,Pading Mangle,Lab scale coating machine	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	EXPRIMENTAL DYEING LAB(A-141)	Dyeing Baths, Vertical flame Retardant machine	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	PHYSICAL TESTING LAB(A-271)	CCM, UPF, Crockmeter, Sublimation tester, Tear strength tester, COD & BOD analyser	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE CHEMICAL ANALYSIS LAB(A-143)	Burette, Pipette, Hot Plate	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE COMPOSITE LAB(A-140)	Melt spinning, Compresser moulding machine, Twin excruder	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE REASEARCH LAB-1(A-263)	Rota dyer, Hot air oven, Infracolor dyeing machine, Furnace, Ultrasonicator, Vaccume oven	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE REASEARCH LAB-2(A-262)	Olympus Laser Microscope	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING	Post Graduate	TEXTILE REASEARCH LAB-3(A-265)	Rota dyer, Hot air oven, Ultrasonicator, orbital Shaker , Homogeniser	Main Building	1

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
	TECHNOLOGY					
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE REASEARCH LAB-4(A-264)	Rota dyer, Hot air oven, Ultrasonicator, Shaker cum incubator	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE REASEARCH LAB-6(A-145)	Rota dyer, Hot air oven, Infracolor dyeing machine	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE REASEARCH LAB-7(A-149)	Chiller, Autoclave,U.V.cabinet, Incubator	Main Building	1
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE RESEARCH LAB-8(A-151)	Centifuge, Incubator, Sonicator, EMI Sheilding, BET Analyser	Main Building	1
Engineering and Technology	FOOD ENGINEERING AND TECHNOLOGY	Under Graduate	UG FOOD LABORATORY	UHT Processing System, CAP-MAP Equipment, Lab.Colorimeter, Isoelectric Focusing Cell	Main Building	1
Engineering and Technology	FOOD ENGINEERING AND TECHNOLOGY	Post Graduate	PG FOOD LABORATORY	Hunter lab Colorineter, HPTLC, GCMS, Fermentor, Extruder, Aroma Recovery System, RTPCR	Main Building	1
Engineering and Technology	General Engineering	Post Graduate	PG CAD/CAM/CAE LAB	Soildworks software, NX, MOLDEX, Hypermesh, Ansys, Minitab softwares	General Engineering	6
Engineering and Technology	General Engineering	Post Graduate	PG PROCESSING AND TESTING LAB	Twin Screw Extruder, Compression Molding Machine, Injection molding Machine	General Engineering	6
Engineering and Technology	MATHEMATICS	Post Graduate	ENGINEERING MATHEMATICS COMPUTER LAB	HPC Cluster, 40 All in One PCs, One HP Workstation	Main Building	1
Engineering and Technology	OILS, OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY	Under Graduate	UG ANALYSIS LABORATORY	Incubators, Shakers	Oils Building	4
Engineering and Technology	OILS, OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY	Under Graduate	UG PROCESS LABORATORY	Hydraulic Press, Soap Plodder, Centrifuge	Oils Building	4
Engineering and	OILS,	Post Graduate	PG OILS LABORATORY 1	Spray Dryer, High Speed	Oils Building	4

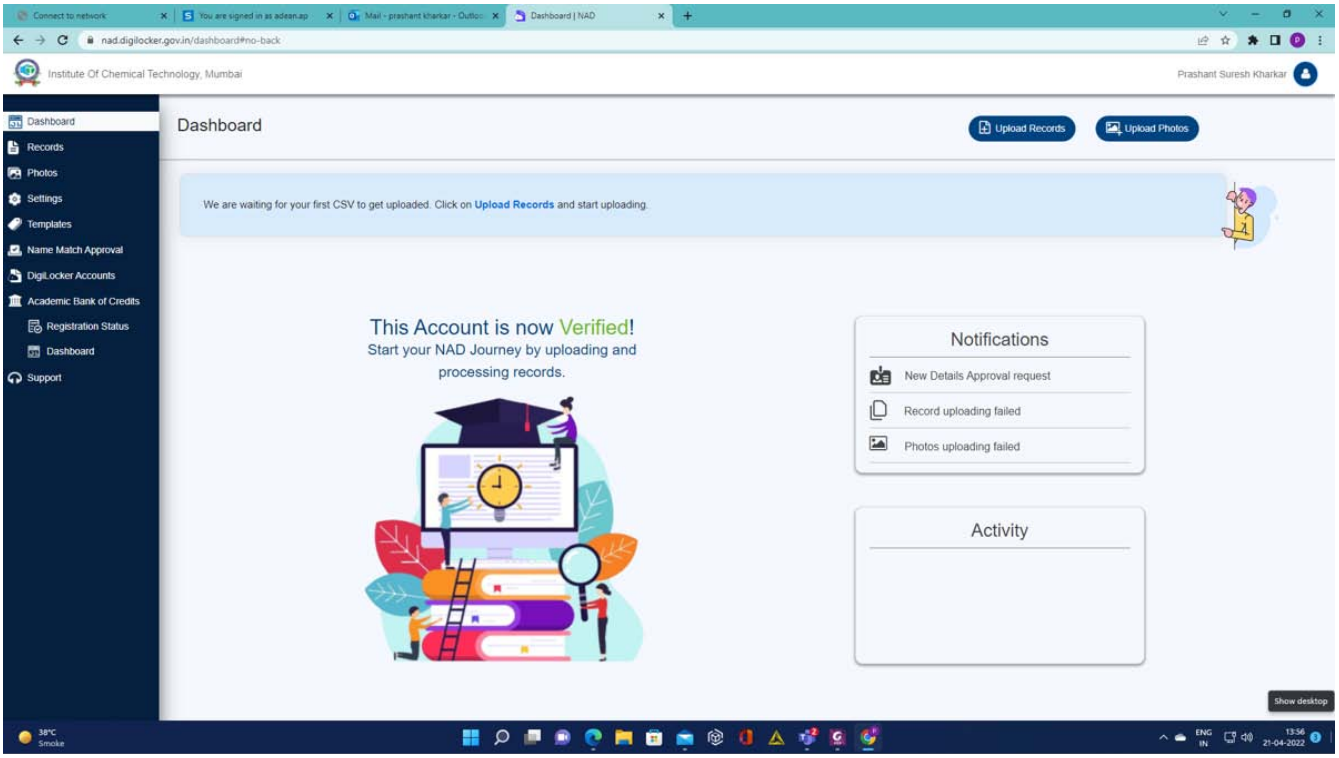
Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Technology	OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY			Homogenizer, High Pressure Homogenizer, Oil Extraction Plant, Tensiometer		
Engineering and Technology	OILS, OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY	Post Graduate	PG OILS LABORATORY 2	HPLC, Fermentor, UV Spectrophotometer, Reflectance Meter, Autoclave, Karl Fischer, Rheotec Viscomete	Oils Building	4
Engineering and Technology	OILS, OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY	Post Graduate	PG OILS LABORATORY 3	GC, UV Spectrophotometer, Remi centrifuge, Tergotometer, Kjheldalh Apparatus, Autoclave	Oils Building	4
Engineering and Technology	OILS, OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY	Post Graduate	PG OILS LABORATORY 4	Four Ball Tester, Viscometer Bath, Flash Point Apparatus, Shear Stability Apparatus	Oils Building	4
Engineering and Technology	PHARMACEUTICALS CHEMISTRY AND TECHNOLOGY	Under Graduate	UG PHARMA LABORATORY	FTIR, Analytical Balance, UV Vis, Stirrer and Mixer Fermenters	Main Building	1
Engineering and Technology	PHARMACEUTICALS CHEMISTRY AND TECHNOLOGY	Post Graduate	PG PHARMA LABORATORY	Aggregometer Photo Diode Array, FTIR , Biosafety and Co2 Incubator, Fermenters, Microplate	Main Building	1
Pharmacy	PHARMACY	Under Graduate	UG PHARMACY LABORATORY	Photo Diode Array Aggregometer, Tray Dryer, Bilayer Tablet Compressor, HPLC	Main Building	1
Pharmacy	PHARMACY	Post Graduate	NANO DRUG DELIVERY & DRUG DISCOVERY LABORATORY	GC- MM, GC- MS, FTIR, HPTLC, AAS, GC, UV, DSC, Fluorimeter, Polarimeter, Nano Drug Delivery System	Main Building	1
Pharmacy	PHARMACY	Post Graduate	NMR LABORATORY	NMR	Main Building	1
Pharmacy	PHARMACY	Post Graduate	PG PHARMACY LABORATORY	FTIR, Biosafety and Co2 Incubator, Fermenters, Microplate, Centrifuge & Microfuge Nano Drop	Main Building	1
Engineering and Technology	PHYSICS	Under Graduate	UG COLOUR PHYSICS LABORATORY	UV Vis NIR Sprectometer, FTIR, Mini injuction Moulding Machine, Data Flash 100	Advance Center Building	2
Engineering and Technology	PHYSICS	Under Graduate	UG GENERAL PHYSICS LABORATORY	Hall Effect, Four Probe, Thermal Conductivity Measurement apparatus, Photoelectric Effect	Advance Center Building	2
Engineering and Technology	PHYSICS	Post Graduate	ENERGY LABORATORY	Fume Hood, CVD Furnace, TDS Meter, Peristaltic Pump	Advance Center Building	2
Engineering and	PHYSICS	Post Graduate	MAIN LABORATORY I	Different Types of ovens, UTM,	Advance Center	2

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Technology				Polarising Microscope, DSC, Moulding Machine, Plasma Chamber	Building	
Engineering and Technology	PHYSICS	Post Graduate	MAIN LABORATORY II	XRD, Impedance Analyser, BET, Glowbox	Advance Center Building	2
Engineering and Technology	PHYSICS	Post Graduate	PG ELECTRONICS LAB	SOLAR SIMULATOR	Advance Center Building	2
Engineering and Technology	Polymer and Surface Engineering	Under Graduate	UG POLYMER LABORATORY	Olympus Optical Microscopy, Thermo Radium, Gas Permibility Tester, Twin screw extruder Xenon Arc We	Main Building	1
Engineering and Technology	Polymer and Surface Engineering	Under Graduate	UG SURFACE COATING LABORATORY	Olympus Optical Microscopy, Thermo Radium, Gas Permibility Tester, Twin screw extruder Xenon Arc We	Main Building	1
Engineering and Technology	Polymer and Surface Engineering	Post Graduate	PG POLYMER LABORATORY	XRD, DSC, GPC, DMTA, UTM, RT 10 Rheometer, Quv Wheathering Tester, Rosand HDT	Main Building	1
Engineering and Technology	Polymer and Surface Engineering	Post Graduate	PG SURFACE COATING LABORATORY 1	XRD, DSC, GPC, DMTA, UTM, RT 10 Rheometer, Quv Wheathering Tester, Rosand HDT	Main Building	1
Engineering and Technology	Polymer and Surface Engineering	Post Graduate	PG SURFACE COATING LABORATORY 2	XRD, DSC, GPC, DMTA, UTM, RT 10 Rheometer, Quv Wheathering Tester, Rosand HDT	Main Building	1
Engineering and Technology	Speciality Chemicals Technology	Post Graduate	PG DYESTUFF LABORATORY	HPLC Jasco HPTLC - CAMAG (Anchrome) N.M.R Spectrophotometer R-1200, Fluorimeter, TLC Extractor	Dyes Building	3
Engineering and Technology	Speciality Chemicals Technology	Post Graduate	UG DYESTUFF LABORATORY	F.T.IR UV-SPECTRONIC GENISYS-2 PARTICLE SIZE ANALISER- CILAS	Dyes Building	3

- **Computing Facilities**

Internet Bandwidth	1000+100+75 = 1175 mbps total internet bandwidth (total 3 ILL)
Number and configuration of System	100 + pc in IPC (i7, 16 GB RAM, 1 TB HDD)
Total number of system connected by LAN	LAN users in the all buildings 1000+ and 2 LAN points in each room of Hostel-5
Total number of system connected by WAN	Wireless Network at Hostel No. 1 to 4 (availability 24 x 7) and at most of the part of the main building area, LAN users in the all buildings 1000+ and 2 LAN points in each room of Hostel-5
Major software packages available	1) Microsoft Campus Licensing Agreement (Windows and Server o/s, Office365, SQL Processor Based license) 2) Matlab 2009b - (50 users) 3) Aspen - (1 user Research license) 4) MOE - single user license 5) SolidWorks - (60 users) 6) Ansys CFD - (35 users) 7) Ansys Mechanical - (5 users) 8) Gabbi - Academic - 50 users, professional - 1
Special purpose facilities available (Conduct of online Meeting/Webinars/Workshops, etc.)	Zoom subscriptions, Microsoft Teams, Video conferencing, Studio facility, IPC computer lab
Facilities for conduct of Classes/courses in online mode (Theory & Practical)	Zoom subscriptions, Microsoft Teams, Video conferencing, Studio facility, IPC computer lab
Innovation Cell	https://www.ictmumbai.edu.in/uploaded_files/ICT_Innovation_&_Startup_Policy_2020.pdf
Social Media Cell	https://news.ictmumbai.edu.in/UserPanel/NewsDetails.aspx?nEid=q

Compliance of the National Academic Depository (NAD), applicable to PGCM Institutions and University Departments



- **List of facilities available**

Games and Sports Facilities	ICT students avail several sports facilities in the Gymkhana and Sports Pavilion. In the Gymkhana, they play indoor games such as carrom, chess, table tennis and weight-lifting. The Sports Pavilion is equipped with courts for playing box-cricket, lawn tennis, basket-ball, volleyball, football, badminton and kabbadi.
Extra-Curricular Activities	The annual sports program named as Sportsaga is very popular among the students.
Soft Skill Development Facilities	A course on Communication Skills is taught to all the First year Under Graduate students.

- **Teaching Learning Process**

Curricula and syllabus for each of the Programmes as approved by the University	https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caamq&ItemID=eaeec

	https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caams&ItemID=eaeec
Academic Calendar of the University	https://www.ictmumbai.edu.in/uploaded_files/Academic_Calendar_2023-24_-_revised_31_August_2023.pdf
Academic Time Table with the name of the Faculty members handling the Course	https://timetableict.wordpress.com
Teaching Load of each Faculty	https://timetableict.wordpress.com
Internal Continuous Evaluation System and place	https://www.ictmumbai.edu.in/uploaded_files/ICT%20Admission%20Handbook%2024.pdf

- Students' assessment of Faculty, System in place https://www.ictmumbai.co.in/

- **For each Post Graduate Courses give the following:**

Title of the Course Curricula and Syllabi	https://www.ictmumbai.edu.in/DisplayPage.aspx?page=caams&ItemID=eaeec
Laboratory facilities exclusive to the Post Graduate Course	Refer Point 15 Laboratory Details.

- **Special Purpose**

Software, all design tools in case	https://www.ictmumbai.co.in/
Academic Calendar and framework	https://www.ictmumbai.edu.in/uploaded_files/Academic_Calendar_2023-24_-_revised_31_August_2023.pdf

16. Enrolment and placement details of students in the last 3 years

Annexure A and B

17. List of Research Projects/ Consultancy Works

Number of Projects carried out, funding agency, Grant received	Annexure F
Publication (if any) out of research in last three years out of masters projects	Annexure C
Industry Linkage	Annexure G
MoUs with Industries (minimum3(10))	Annexure D

18. LoA and subsequent EoA till the current Academic Year

Sr. No.		Link
1.	AICTE EoA 2020-21	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report%202020-21.PDF
2.	AICTE EoA 2021-22	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2021-22.PDF
3.	AICTE EoA 2022-23	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2022-23.PDF
4.	AICTE EoA 2023-24	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2023-24.PDF
5.	AICTE EoA 2024-25	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2024-25.PDF

19. Accounted audited statement for the last three years

Sr. No.		Link
1.	Financial Statement - 2018-19	https://www.ictmumbai.edu.in/FinanceAccount/ICT%20FINANCIAL%20FY%202018-19.pdf
2.	Financial Statement - 2019-20	https://www.ictmumbai.edu.in/FinanceAccount/FINANCIAL%20STATEMENT%20FOR%20THE%20YEAR%202019-20.pdf
3.	Financial Statement - 2020-21	https://www.ictmumbai.edu.in/FinanceAccount/FINANCIAL%20STATEMENT%20FOR%20THE%20YEAR%202020-21.pdf
4.	Financial Statement - 2021-22	https://www.ictmumbai.edu.in/FinanceAccount/ICT%20FINANCIAL%20FOR%20FY%202021-2022.pdf

20. Best Practices adopted, if any

The institute believes provides quality education and is committed to the implementation of best practices to achieve its vision of academic excellence. The best practices that the institute follows are:

1. SMART LEARNING/ SMART CLASSROOM TEACHING

The institute believes in advanced pedagogy practices with a major focus on enhancing the performance of students.

- **Lecture Recording System -**
  Not all students are the same, few are slow learners and take a little more time than others to understand certain topics. Also sometimes, students

tend to mentally stay away from the lectures because of several distractions and this affects their performance. To improve understanding of the course content of students the institute has built and installed custom-made lecture recording systems in all the classrooms. The recorded lectures are available on the institute website and students can revisit these recorded lectures and clear their doubts at their convenience. These lectures are also available to the outside students who are willing to take credit and audit courses from ICT.

- **Use of Smart Board To Teach Engineering Drawing –**
  Engineering drawing is one of the most important subjects for engineering and technology students. Some students find it difficult to understand engineering drawings. The concept of smart boards is introduced in teaching to demonstrate several simulation software and engineering drawings for a better understanding of the subject.

- **Use of Wi-Fi Connected LCD In All Class Rooms -**
  The Institute emphasizes the use of modern teaching tools like PowerPoint presentations, demonstrative videos, and other e-files for a better understanding of the subjects. All classrooms are equipped with Wi-Fi-enabled LCD projectors to show PowerPoint presentations, videos, etc. during classroom teaching. At a time five laptops can be connected to one LCD. This connectivity helps in conducting interactive and problem-solving teaching practices wherein the faculty can ask students to project their laptops on the screen and present their work.

- **Use of e-Books and e-Journals -**
  The library is open from 8.30 am to 8.30 pm during the day and is also accessible beyond working hours through an electronic platform (E-Library). The e-library platform helps to check the availability of particular books on the shelf anytime and easier record management. The institute has electronic access to world-class leading research journals.

- **E-Attendance system –**
  The institute has developed a custom-made biometric attendance system for student's attendance and to ensure delivery of the content. The main objective of having such a system was to attract students who tend to stay away from the lectures because of several distractions in terms of internet surfing and mobile apps. The system is based on wireless transmission of the attendance to a central server. Each class has a safe biometric lock which is opened only by the faculty member. The faculty initiates the lecture by selecting his/her course and class in a drop-down menu using the app on

a tablet. A biometric machine is circulated amongst the students with preregistered fingerprints, so that each student, present in the class gets registered on the machine. At the end of the class when the app is closed, the names of registered students are sent to the central server. The names of the absent students are flashed on the tablet for a double check by the faculty. This new system has not only has ensured the attendance of the students but also helped in conducting timely lectures by the faculty. Students have the provision of giving feedback at the end of the class which is noted by teachers. The average attendance post-implementation of the E-system has improved from 50-60 to more than 90. Besides, students' performance is enhanced as now they do not miss out on the continuous assessment tests that teachers conduct, sometimes as surprise tests.

2. MANAGEMENT INFORMATION SYSTEM (MIS)

The Institute has adopted a new Management Information System (MIS) which takes care of all the activities related to academics, research, students, library, employees life cycle analysis, regulatory bodies compliance and accreditation, back-office work related to salaries, maintenance of leave musters, inventory stock, hostels, mess, library, etc. with a single database. The MIS system has been implemented for faculty recruitment, official documentation, attendance system, examination process, thesis approvals and submission formalities, grievances, counseling, admissions, appointment procedures, Internal quality assessment, etc. There are many modules of this system that have helped in streamlining and transparent functioning of various activities at the Institute. The MIS helps declare results of the Masters and Ph.D. entrance exams on the same day. The store inventory management including order placement, collaboration with the finance department has become much streamlined and sorted. The complete information of different modules and respective data in those modules including the feedback surveys is available 24x7 as the entire campus is Wi-Fi enabled. The information is also available on the cloud and can be accessed through a mobile application.

3. ENVIRONMENT CONSCIOUSNESS

Environment consciousness is enshrined in the mission of the Institute and irrespective of its urban surroundings, the Institute has a lush green campus. Tree plantation is the major concern to maintain the pristine purity and beauty of the institute and provide a congenial atmosphere for academic and non-academic pursuits. Even though no formal green audit is conducted, a lot of dedicated effort is put in to make the campus eco-friendly. There are 25 gardeners to carry out the horticulture work and the Institute has won the best garden award for several

years. Informal green audit of the campus is carried out by the staff periodically by supervising the maintenance of the existing trees and locating places for planting new trees. Nurturing plants is one of the non-academic pursuits that develop eco-concern among the students. Efforts are made to make the Institute a polythene-free zone by removing plastic covers periodically from the campus.

4. ENERGY CONSERVATION:

The Institute is committed to energy conservation and focuses on measures that help conserve energy.

- The energy consumption in the premises is closely monitored by the superintendents.
- The notices displayed near the switchboards prevent wastage of energy.
- All departments have timer introduced air conditioners
- All the motor pumps have a sensor-based switch on and off mechanism.
- All incandescent bulbs have been replaced with high efficient CFL and LED bulbs.

5. USE OF RENEWABLE ENERGY:

- The installation of 730 kW solar panels has led to a reduction of power bills of up to Rs. 20 lakh per month.
- The High-performance computational lab has Solar-powered air-conditioners
- Hostels have solar water heaters installed for the hot water supply.
- Research groups work on innovative concepts in the area of renewable energy such as solar-powered lights, cookers, dryers and, have received recognition from industrial and agricultural fields.

6. WATER HARVESTING:

The Institute has two rainwater harvesting structures for the reuse of rainwater in washrooms and other purposes. A concept of eco-campus incorporating treatment and reuse of greywater, rain-water harvesting is being worked out to manage water usage.

7. EFFORTS FOR CARBON NEUTRALITY:

The institute believes in maintaining a pollution-free campus and undertakes several measures to reduce carbon emissions. Various types of trees are planted inside and outside the campus which help maintain the ecosystem and reduce

carbon emissions. Planting of saplings by the chief guests of various functions evinces the eco-consciousness inherent in the institute practices. Natural fertilizers are used for gardening on the campus. Circulars are sent through emails for minimizing the use of paper and the Institute is gradually moving towards a paperless system. The use of vehicles is discouraged inside the campus to maintain a pollution-free campus.

8. WASTE MANAGEMENT

The institute encourages the management of waste generated within the campus and conducts regular workshops and seminars on waste disposal, their source, classification as well as pest control.

Kitchen waste disposal

The Institute practices efficient waste management of kitchen waste from hostel messes and, canteens which serve meals to around 1000 students per day. The cooked and uncooked waste generated from these messes is treated in the waste disposal and management plant set up on the campus and is converted to biogas and manure. The Biogas is used for running kitchen stoves and the manure is used as a fertilizer supplement in gardening.

Hazardous waste management

The institute has prohibited the use of plastic bags within the campus premises.

E-waste management

- Electronic goods are put to optimum use, repaired, and reused until completely out of order. The staff and laboratory assistants are well trained to perform minor repairs while professionals are hired for major repairs.
- The UPS batteries are recharged/repaired/exchanged by the suppliers.
- The obsolete computers and other wastes generated from the electronic equipment are auctioned to authorized e-waste dealers and the hazardous materials are removed and disposed of as per norms.
- The Institute in collaboration with the Waste to Energy Research and Technology Council India (WTERT- India), hosted the fourth annual conference on waste management of industrial, construction/demolition, municipal solid, and e-wastes as an uninterrupted resource for recovery of the valuables and energy on November 26 and 27, 2015 at ICT.

Annexure A – Placement Data (2021-22, 2022-23 and 2023-24)

2021-22 Placement								
Sr. No.	BACHELOR'S COURSES	CODE	JOBBERS	APPERS	TOTAL	Placed till date	Unplaced	% placement
1	B Tech (Dyestuff and Intermediates Technology)	BT-DYE	11	7	18	10	1	91
2	B Tech (Fibres and Textile Processing Technology)	BT-TXT	17	15	32	16	1	94
3	B Tech (Food Engineering and Technology)	BT-FET	12	6	18	5	7	42
4	B Tech (Oils, Oleochemicals and Surfactants Technology)	BT-OIL	10	7	17	8	2	80
5	B Tech (Pharmaceutical Chemistry and Technology)	BT-PH	6	10	16	1	5	17
6	B Tech (Polymer Engineering and Technology)	BT-PO	7	9	16	3	4	43
7	B Tech (Surface Coating Technology)	BT-CO	6	10	16	6	0	100
8	B Pharmacy	BPH	9	18	27	4	5	44
9	B Chemical Engineering	BCHEM	38	42	80	36	2	95
	Total		**116**	**124**	**240**	**89**	**27**	**76.72**
Sr. No.	MASTER'S COURSES	CODE	JOBBERS	APPERS	TOTAL	Placed till date	Unplaced	% of placement
1	M Tech (Dyestuff and Intermediates Technology)	MT-DYE	6	0	6	2	4	33
2	M Tech (Fibres and Textile Processing Technology)	MT-TXT	14	1	15	4	10	29
3	M Tech (Food Engineering and Technology)	MT-FET	14	4	18	11	3	79
4	M Tech (Oils, Oleochemicals and Surfactants Technology)	MT-OIL	17	0	17	17	0	100
5	M Tech (Pharmaceutical Chemistry and Technology)	MT-PH	17	1	18	11	6	65
6	M Tech (Polymer Engineering and Technology)	MT-PO	17	0	17	15	2	88
7	M Tech (Surface Coating Technology)	MT-CO	15	2	17	14	1	93
8	M Pharmacy	MPH	15	1	16	15	0	100
9	M Chemical Engineering	MCHEM	24	2	26	21	3	88
10	M Tech (Bioprocess Technology)	MT-BPT	21	7	28	20	1	95
11	M Tech (Green Technology)	MT-GT	26	1	27	16	10	62
12	M Tech (Perfumery Technology)	MT-PFT	18	0	18	13	5	72
13	M Tech (Food Biotechnology)	MT-FBT	8	1	9	5	3	63
14	M Tech (Pharmaceutical Biotechnology)	MT-PHB	7	1	8	7	0	100
15	ME (Plastic Engineering)	MEP	10	2	12	8	2	80
16	M Sc (Chemistry)	MS-CH	17	7	24	17	0	100
17	M Sc (Engineering Mathematics)	MS-MAT	9	3	12	7	2	78
18	M Sc (Physics: Material Science)	MS-PHY	12	3	15	7	5	58
19	M Sc (Textile Chemistry)	MS-TXT	10	1	11	8	2	80
	Total		**277**	**37**	**314**	**218**	**59**	**79**

2022-23 Placement									
Sr. No.	BACHELOR'S COURSES	CODE	JOBBERS	APPERS	Other	TOTAL	Placed till date	Unplaced	% placement
1	B Tech (Dyestuff and Intermediates Technology)	BT-DYE	12	10	0	22	7	5	58
2	B Tech (Fibres and Textile Processing Technology)	BT-TXT	30	10	0	40	14	16	47
3	B Tech (Food Engineering and Technology)	BT-FET	12	7	0	19	8	4	67
4	B Tech (Oils, Oleochemicals and Surfactants Technology)	BT-OIL	12	6	0	18	9	3	75
5	B Tech (Pharmaceutical Chemistry and Technology)	BT-PH	7	15	0	22	4	3	57
6	B Tech (Polymer Engineering and Technology)	BT-PO	16	7	0	23	13	3	81
7	B Tech (Surface Coating and Technology)	BT-CO	15	4	0	19	9	6	60
8	B Pharmacy	BPH	21	13	0	34	12	9	57
9	B Chemical Engineering	BCHEM	53	33	2	88	50	3	94
	Total		**178**	**105**	**2**	**285**	**126**	**52**	**70.78**
Sr. No.	MASTER'S COURSES	CODE	JOBBERS	APPERS	Other	TOTAL	Placed till date	Unplaced	% placement
1	M Tech (Dyestuff and Intermediates Technology)	MT-DYE	8	0	0	8	8	0	100
2	M Tech (Fibres and Textile Processing Technology)	MT-TXT	14	0	0	14	8	6	57
3	M Tech (Food Engineering and Technology)	MT-FET	16	1	0	17	13	3	81
4	M Tech (Oils, Oleochemicals and Surfactants Technology)	MT-OIL	17	1	0	18	13	4	76
5	M Tech (Pharmaceutical Chemistry and Technology)	MT-PH	17	0	0	17	14	3	82
6	M Tech (Polymer Engineering and Technology)	MT-PO	13	3	0	16	12	1	92
7	M Tech (Surface Coating Technology)	MT-CO	14	2	0	16	13	1	93
8	M Pharmacy	MPH	16	0	0	16	16	0	100
9	M Chemical Engineering	MCHEM	23	1	0	24	23	0	100
10	M Tech (Bioprocess Technology)	MT-BPT	24	1	0	25	21	3	88
11	M Tech (Green Technology)	MT-GT	17	5	0	22	13	4	76
12	M Tech (Perfumery and Flavour Technology)	MT-PFT	16	0	0	16	12	4	75
13	M Tech (Food Biotechnology)	MT-FBT	9	0	0	9	6	3	67
14	M Tech (Pharmaceutical Biotechnology)	MT-PHB	6	1	0	7	4	2	67
15	ME (Plastic Engineering)	MEP	9	0	0	9	8	1	89
16	M Sc (Chemistry)	MS-CH	15	9	0	24	15	0	100
17	M Sc (Engineering Mathematics)	MS-MAT	18	0	0	18	1	17	6
18	M Sc (Physics: Material Science)	MS-PHY	5	11	0	16	3	2	60
19	M Sc (Textile Chemistry)	MS-TXT	13	0	0	13	7	6	54
	Total		**270**	**35**	**0**	**305**	**210**	**60**	**77.77**

2023-24 Placement

Sr. No.	BACHELOR'S COURSES	CODE	JOBBERS	APPERS	Other	TOTAL	Placed till date	Unplaced	% placement
1	B Tech (Dyestuff and Intermediates Technology)	BT-DYE	10	8	1	19	0	10	0
2	B Tech (Fibres and Textile Processing Technology)	BT-TXT	24	7	1	32	17	7	71
3	B Tech (Food Engineering and Technology)	BT-FET	15	3		18	6	9	40
4	B Tech (Oils, Oleochemicals and Surfactants Technology)	BT-OIL	16	2	1	19	9	7	56
5	B Tech (Pharmaceutical Chemistry and Technology)	BT-PH	14	9		23	8	6	57
6	B Tech (Polymer Engineering and Technology)	BT-PO	14	5		19	10	4	71
7	B Tech (Surface Coating and Technology)	BT-CO	17	2		19	16	1	94
8	B Pharmacy	BPH	20	11		31	3	17	15
9	B Chemical Engineering	BCHEM	59	24	1	84	48	11	81
	Total		**189**	**71**	**4**	**264**	**117**	**72**	**61.90**
Sr. No.	MASTER'S COURSES	CODE	JOBBERS	APPERS	Other	TOTAL	Placed till date	Unplaced	% of placement
1	M Tech (Dyestuff and Intermediates Technology)	MT-DYE	10	0	0	10	0	10	0
2	M Tech (Fibres and Textile Processing Technology)	MT-TXT	5	0		5	2	3	40
3	M Tech (Food Engineering and Technology)	MT-FET	13	1	0	14	9	4	69
4	M Tech (Oils, Oleochemicals and Surfactants Technology)	MT-OIL	12	0		12	5	7	42
5	M Tech (Pharmaceutical Chemistry and Technology)	MT-PH	13	1		14	5	8	38
6	M Tech (Polymer Engineering and Technology)	MT-PO	17	0		17	12	5	71
7	M Tech (Surface Coating Technology)	MT-CO	16	0	0	16	11	5	69
8	M Pharmacy	MPH	16	1	0	17	6	10	38
9	M Chemical Engineering	MCHEM	25	1	0	26	21	4	84
10	M Tech (Bioprocess Technology)	MT-BPT	22	3	0	25	18	4	82
11	M Tech (Green Technology)	MT-GT	25	2		27	13	12	52
12	M Tech (Perfumery and Flavour Technology)	MT-PFT	14	0		14	2	12	14
13	M Tech (Food Biotechnology)	MT-FBT	9	0	0	9	3	6	33
14	M Tech (Pharmaceutical Biotechnology)	MT-PHB	8	2		10	7	1	88
15	ME (Plastic Engineering)	MEP	3	1		4	1	2	33
16	M Sc (Chemistry)	MS-CH	16	6	0	22	8	8	50
17	M Sc (Engineering Mathematics)	MS-MAT	14	5	0	19	2	12	14
18	M Sc (Physics: Material Science)	MS-PHY	10	0		10	2	8	20
19	M Sc (Textile Chemistry)	MS-TXT	15	0	0	15	0	15	0
	Total		**263**	**23**	**0**	**286**	**127**	**136**	**48.28**

Annexure B – Students Enrollment Data (2021-22, 2022-23 and 2023-24)

ACADEMIC YEAR 2021-22 (UG)																							
SR. No.	Branch		Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT -D		SBC		Total		Total Students
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	B.Chem. Engg.	CAP	75	32	8	8	3	6	2	3	1	0	1	1	0	2	1	1	0	0	0	53	16	75
		PH 1		1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	
		DEF 1		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
		DEF 3		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
		EWS	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	6
		J&K (ARA)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J&K (PMSSS)	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
2	B. Pharm	CAP	30	3	7	2	2	2	2	1	1	0	1	0	1	1	0	0	0	0	0	9	14	27
		PH 1		1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
		DEF 1		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		DEF 2		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EWS	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
3	B. Tech. Dyes	CAP	18	8	3	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	9	5	14
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2

		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	B. Tech. Food Engg. & Tech	CAP	16	7	3	1	1	0	2	0	1	0	0	0	0	1	0	0	0	0	0	9	7	16	
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
		J&K (ARA)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	B. Tech. Oil	CAP	16	8	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5	15	
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
		EWS	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	B. Tech. Pharma. Chemistry & Tech.	CAP	18	5	5	3	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	10	7	18	
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		DEF 3		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
		TFWS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		EWS	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	
		J&K (ARA)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
		J&K (PMSSS)	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	

7	B. Tech. Polymer	CAP	16	8	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10	3	15
		PH 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 2		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
8	B. Tech. Surface Coating	CAP	16	5	0	3	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	9	2	12
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	B. Tech. Fibres and Textile	CAP	34	11	2	5	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	17	4	21
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EWS	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total			**127**	**40**	**29**	**13**	**10**	**10**	**5**	**4**	**0**	**2**	**2**	**1**	**6**	**1**	**2**	**0**	**0**	**0**	**181**	**71**	**252**

ACADEMIC YEAR 2022-23 (UG)																								
SR. No.	Branch		Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT -D		SBC		Total		Total Students
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	B.Chem. Engg.	CAP	75	36	10	5	4	4	3	2	1	1	1	0	1	1	1	1	0	0	0	50	21	75
		PH 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 1		0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
		DEF 2		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
		EWS	8	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
		J&K (ARA)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J&K (PMSSS)		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
2	B. Pharm	CAP	30	9	2	2	3	2	2	0	1	1	0	1	0	0	1	0	0	0	0	15	9	28
		PH 1		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
		DEF 1		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 2		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		TFWS	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		EWS	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)		2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
3	B. Tech. Dyes	CAP	18	5	4	4	0	1	1	0	0	0	0	0	0	0	1	0	0	1	0	11	6	17
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

		EWS	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	B. Tech. Food Engg. & Tech	CAP	16	7	2	1	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	9	5	15
		PH 1		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	B. Tech. Oil	CAP	16	9	1	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	13	2	15
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		EWS	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	B. Tech. Pharma. Chemistry & Tech.	CAP	18	8	4	1	1	0	1	0	1	0	0	1	0	0	0	0	0	1	0	11	7	18
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		J&K (PMSSS)		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
7	B. Tech. Polymer	CAP	16	7	3	1	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	10	6	16
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
8	B. Tech. Surface Coating	CAP	16	7	4	1	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	10	6	16
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	B. Tech. Fibres and Textile	CAP	34	10	5	6	1	4	3	0	0	0	0	0	0	0	1	0	0	0	0	20	10	30
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		EWS	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total			**128**	**53**	**28**	**14**	**14**	**12**	**3**	**4**	**3**	**1**	**3**	**1**	**2**	**5**	**2**	**0**	**2**	**1**	**185**	**91**	**276**

ACADEMIC YEAR 2023-24 (UG)																							
SR. No.	Branch		Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT - D		SBC		Total		Total Students
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	B.Chem. Engg.	CAP	75	34	9	8	2	4	2	2	1	1	1	1	0	2	0	0	1	1	1	53	17	75
		PH 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
		DEF 1		1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
		DEF 3		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		TFWS	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		EWS	8	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	8
		J&K (ARA)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		J&K (PMSSS)	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
2	B. Pharm	CAP	30	1	11	3	5	1	3	0	2	0	1	0	1	0	1	0	0	0	0	5	24	29
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		EWS	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
3	B. Tech. Dyes	CAP	18	8	3	3	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	13	3	17
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 3		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	B. Tech. Food Engg. & Tech	CAP	16	5	3	0	2	1	1	0	1	0	0	0	0	0	1	1	0	0	0	7	8	16
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		STUDY IN INDIA	-																			0	0	0
5	B. Tech. Oil	CAP	16	8	2	2	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	12	3	16
		PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	B. Tech. Pharma. Chemistry & Tech.	CAP	18	5	4	0	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1	9	7	18
		PH 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 1		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		J&K (ARA)		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J&K (PMSSS)	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
7	B. Tech.	CAP	16	9	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	1	0	11	4	16

	Polymer	PH 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		DEF 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EWS	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		J&K (ARA)	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J&K (PMSSS)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	B. Tech. Surface Coating	CAP		6	2	1	1	1	0	0	0	1	0	1	0	0	0	1	0	1	0	12	3	
		PH 1	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
		DEF 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		EWS	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	B. Tech. Fibres and Textile	CAP		13	5	3	2	4	1	2	0	0	1	0	0	0	2	0	0	0	0	22	11	
		PH 1	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
		DEF 1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		TFWS	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		EWS	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
		J&K (ARA)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J&K (PMSSS)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total			**129**	**54**	**21**	**16**	**15**	**9**	**5**	**6**	**2**	**3**	**3**	**1**	**5**	**4**	**2**	**1**	**4**	**3**	**186**	**97**	**283**

Master (ACADEMIC YEAR 2021-2022) PG																											
SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT -D		SBC		PH		EWS		Total		Total Students
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M+F
1	M.Chem. Engg.	30	9	3	7	1	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	5	27
2	M.E. Plastic Engg.	18	5	1	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	11
3	M.Tech. Dyestuff Technology	18	1	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	8
4	M.Tech. Fibre & Textile Processing Technology	18	6	1	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	15
5	M.Tech. Polymer Engineering & Technology	18	4	2	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2	16
6	M.Tech. Food Engineering & Technology	18	4	2	2	5	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	9	17
7	M.Tech. Green Technology	30	5	6	4	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	13	23
8	M.Tech. Oil, Oleochemicals & Surfactants Technology	18	3	4	6	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	6	18
9	M.Tech. Perfumery & Flavour Technology	18	4	2	2	5	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	16
10	M.Tech. Surface coating Technology	18	2	0	5	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	7	17
11	M.Tech. Pharmaceutical Chemistry and Technology	18	3	1	3	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	8	17
12	M. Pharm. (MNP)	6	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
	M. Pharm. (Pharmaceutical Chemistry)	6	2	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
	M. Pharm. (Pharmaceutics)	6	1	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	6
13	M.Tech. BPT (GAT-B)	30	5	4	4	4	5	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	3	1	18	10	28
14	M.Tech. FBT (GAT-B)	10	1	2	1	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	10
15	M.Tech. Pharma. Biotech. (GAT-B)	10	1	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7
Total		**290**	**57**	**36**	**59**	**41**	**29**	**10**	**2**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**3**	**151**	**95**	**246**

Master (ACADEMIC YEAR 2022-2023) PG																											
SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT -D		SBC		PH		EWS		Total		Total Students
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M+F
1	M.Chem. Engg.	30	15	0	7	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
2	M.E. Plastic Engg.	18	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
3	M.Tech. Dyestuff Technology	18	4	0	3	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
4	M.Tech. Fibre & Textile Processing Technology	18	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
5	M.Tech. Polymer Engineering & Technology	18	4	6	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
6	M.Tech. Food Engineering & Technology	18	3	2	3	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
7	M.Tech. Green Technology	30	3	6	4	8	1	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
8	M.Tech. Oil, Oleochemicals & Surfactants Technology	18	4	3	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
9	M.Tech. Perfumery & Flavour Technology	18	0	3	2	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
10	M.Tech. Surface Coating Technology	18	6	1	4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
11	M.Tech. Pharmaceutical Chemistry and Technology	18	2	4	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
12	M. Pharm. (MNP)	6	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M. Pharm. (Pharmaceutical Chemistry)	6	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M. Pharm. (Pharmaceutics)	6	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
13	M.Tech. BPT (GAT-B)	30	1	3	8	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	27
14	M.Tech. FBT (GAT-B)	10	0	1	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	9
15	M.Tech. Pharma. Biotech. (GAT-B)	10	2	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	10
	TOTAL	**398**	**59**	**52**	**65**	**63**	**21**	**21**	**3**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**4**	**0**	**0**	**295**

Master (ACADEMIC YEAR 2023-2024) PG																											
SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT - D		SBC		PH		EWS		Total		Total Students
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M+F
1	M.Chem. Engg.	30	13	1	9	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	5	30
2	M.E. Plastic Engg.	18	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	6
3	M.Tech. Dyestuff Technology	18	2	3	3	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	12
4	M.Tech. Fibre & Textile Processing Technology	18	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	8
5	M.Tech. Polymer Engineering & Technology	18	4	3	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	6	18
6	M.Tech. Food Engineering & Technology	18	4	4	3	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	7	18
7	M.Tech. Green Technology	30	5	5	3	11	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	20	29
8	M.Tech. Oil, Oleochemicals & Surfactants Technology	18	3	5	5	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	9	17
9	M.Tech. Perfumery & Flavour Technology	18	0	5	3	5	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	14	17
10	M.Tech. Surface coating Technology	18	5	2	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	3	18
11	M.Tech. Pharmaceutical Chemistry and Technology	18	3	5	2	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	18
12	M. Pharm. (Pharmacognosy)	6	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
	M. Pharm. (Pharmacology)	6	0	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
	M. Pharm. (Pharmaceutical Chemistry)	6	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
	M. Pharm. (Pharmaceutics)	6	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
13	M.Tech. BPT (GAT-B)	30	3	5	5	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	15	13	28
14	M.Tech. FBT (GAT-B)	10	1	3	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	5	10
15	M.Tech. Pharma. Biotech. (GAT-B)	10	2	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	10
	TOTAL	**296**	**54**	**50**	**61**	**46**	**16**	**18**	**3**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**4**	**139**	**122**	**261**

Annexure C - Publication (if any) out of research in last three years

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
1	Adhikari B.; Shirkole S.S.; Xiao H.-W.	Guest editorial: Reviews on drying science and technologies	2021	Drying Technology	39	11	1413	1414
2	Sawant S.C.; Fernandes C.G.; Mule T.A.; Odaneth A.A.	Characterization of cellulolytic enzyme for its application in biomass conversion	2021	Current Status and Future Scope of Microbial Cellulases			211	254
3	Pandit P.; Singha K.; Maity S.; Maiti S.; Kane P.	Treatment of textile wastewater by agricultural waste biomasses	2021	Sustainable Technologies for Textile Wastewater Treatments			137	156
4	Singha K.; Maity S.; Pandit P.; Maiti S.; Lakshmanan S.O.	Nanotechnologies for wastewater treatment	2021	Sustainable Technologies for Textile Wastewater Treatments			1	12
5	Desai R.; Pachpore R.; Patil A.; Jain R.; Dandekar P.	Review of the Structure of Chitosan in the Context of Other Sugar-Based Polymers	2021	Advances in Polymer Science	287		23	74
6	Sahai R.S.N.; Pardeshi R.A.; Biswas D.	Effect of Silane Coupling Agent on Flexural Strength and Hardness of Wheat Straw Polystyrene Composites	2021	ASM Science Journal	14		1	6
7	Wahash H.A.; Abdo M.S.; Panchal S.K.; Bhairat S.P.	Existence of solution for Hilfer fractional differential problem with nonlocal boundary condition in Banach spaces	2021	Studia Universitatis Babes-Bolyai Mathematica	66	3	521	536
8	Sharma A.; Sharma A.; Joshi J.B.; Jain R.K.; Kasilingam R.	Application of high-grade carbon produced from tyre waste using advanced thermo-chemical technology	2021	Materials Today: Proceedings	43		3117	3120
9	Zambare R.S.; Nemade P.R.	Polymer nanocomposite membranes for wastewater treatment	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			605	672
10	Badgujar K.C.; Dange R.; Bhanage B.M.	Recent advances of use of the supercritical carbon dioxide for the biomass pre-treatment and extraction: A mini-review	2021	Journal of the Indian Chemical Society	98			
11	Chogale M.M.; Gaikwad S.S.; Kulkarni S.P.; Patravale V.B.	Quality-by-design enabled chitosan nanoparticles for antitubercular therapy: Formulation, statistical optimization, and in vitro characterization	2021	Current Drug Therapy	16	1	64	82
12	Samui A.B.	Functionalized nanomaterials for environmental applications	2021	Functionalized Nanomaterials Based Devices for Environmental Applications			303	328
13	Ganguli A.A.; Pandit A.B.	Two Phase CFD simulations in stagnant water pools: Unsteady temperature and level variation	2021	Chemical Engineering Transactions	86		1513	1518
14	Annapure U.S.; Pratisha N.	Psychrozymes: A novel and promising resource for industrial applications	2021	Microbial Extremozymes: Novel Sources and Industrial Applications			185	195
15	Nair D.G.; Yadav D.G.D.	Introduction to the Inaugural Issues	2021	Journal of the Indian Chemical Society	98	1		
16	Badgujar K.C.; Badgujar V.C.; Bhanage B.M.	Application of ionic liquids for value-addition of lignin	2021	Biomass, Biofuels, Biochemicals: Lignin Biorefinery			221	241
17	Mahindrakar K.V.; Rathod	Valorization of waste Syzygium cumini seed kernels by three-	2021	Preparative Biochemistry and	51	10	1036	1045

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
	V.K.	phase partitioning extraction and evaluation of in vitro antioxidant and hypoglycemic potential		Biotechnology				
18	Prakash P.; Chandrayan S.; Tiwari P.; Singh H.R.; Jha S.K.	Development of a downstream process for purification and purity analysis of glutaminase free L-asparaginase using UPLC, DLS-ZP and DSC-TGA	2021	Journal of Taibah University for Science	15	1	458	467
19	Manzoor M.; Singh J.; Ray A.; Gani A.	Recent Advances in Analysis of Food Proteins	2021	Food Biopolymers: Structural, Functional and Nutraceutical Properties			269	298
20	Annaldewar B.N.; Jadhav N.C.; Jadhav A.C.	Impact of COVID-19 on Sustainability in Textile & Clothing Sectors	2021	Environmental Footprints and Eco-Design of Products and Processes			93	116
21	Raul P.K.; Santra P.; Goswami D.; Tyagi V.; Yellappa C.; Mauka V.; Devi R.R.; Chattopadhyay P.; Jayaram R.V.; Dwivedi S.K.	Green synthesis of carbon dot silver nanohybrids from fruits and vegetable's peel waste: Applications as potent mosquito larvicide	2021	Current Research in Green and Sustainable Chemistry	4			
22	Kambli N.; Basak S.; Deshmukh R.	Cornhusk fibers, its properties, and value addition	2021	Green Chemistry for Sustainable Textiles: Modern Design and Approaches			471	480
23	Mujumdar A.S.; Shirkole S.S.	Archival publications on drying	2021	Drying Technology	39	16	2177	2178
24	Garg S.; Kolli V.S.; Shirkole S.S.	Sorting operations for the classification of agricultural crops	2021	Postharvest and Postmortem Processing of Raw Food Materials: Unit Operations and Processing Equipment in the Food Industry			53	76
25	Zambare R.S.; Nemade P.R.	Graphene and its derivatives for environmental applications	2021	Functionalized Nanomaterials Based Devices for Environmental Applications			219	259
26	Shekarappa G S.; Mahapatra S.; Raj S.	Voltage Constrained Reactive Power Planning Problem for Reactive Loading Variation Using Hybrid Harris Hawk Particle Swarm Optimizer	2021	Electric Power Components and Systems	49	04-May	421	435
27	Chaturvedi S.; Gokhale J.S.; Chakraborty S.	Probiotics in the Prevention of Infant Infection	2021	Probiotic Research in Therapeutics Volume 2: Modulation of Gut Flora: Management of Inflammation and Infection Related Gut Etiology	2		57	83
28	Meshram P.D.; Shingade S.; Madankar C.S.	Comparative study of saponin for surfactant properties and potential application in personal care products	2021	Materials Today: Proceedings	45		5010	5013
29	Haramkar S.S.; Thombre G.N.; Jadhav S.V.; Thorat B.N.	The influence of particle(s) size, shape and distribution on cake filtration mechanics-a short review	2021	Comptes Rendus Chimie	24	2	255	265
30	Mestri R.; Mali S.N.; Pratap A.	Formulation of Effervescent Compact Detergent Tablets with Unique Chemical Compositions †	2021	Engineering Proceedings	11	1		
31	Mali S.N.; Pratap A.P.	Targeting infectious coronavirus disease 2019 (Covid-19) with	2021	Infectious Disorders - Drug Targets	21	4	475	477

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		artificial intelligence (ai) applications: Evidence based opinion						
32	Mhaske S.T.; Gadgeel A.	Preparation and Applications of Synergically Combined Polymer Matrix Composites	2021	Encyclopedia of Materials: Composites	1		1112	1134
33	Annapure U.S.; Gaur S.S.	Commercial enzymes in dairy processing	2021	Value-Addition in Food Products and Processing Through Enzyme Technology			205	219
34	Jadhav B.S.; Purohit V.P.; Yamgar R.S.; Kenny R.S.; Mali S.N.; Chaudhari H.K.; Mandewale M.C.	Synthesis and in-silico identification of new bioactive 1,3,4-oxadiazole tagged 2,3-dihydroimidazo[1,2-a]pyridine derivatives	2021	Current Bioactive Compounds	17	4	318	330
35	Maity S.; Singha K.; Pandit P.; Maiti S.	Conjugated polymer-coated novel bioadsorbents for wastewater treatment	2021	Sustainable Technologies for Textile Wastewater Treatments			157	185
36	Yadav G.D.; Mondal U.	Valorization of Bio-Oils to Fuels and Chemicals	2021	ACS Symposium Series	1379		29	67
37	Chavda R.; Mahanwar P.	Effect of inorganic and organic additives on coal combustion: a review	2021	International Journal of Coal Preparation and Utilization	41	10	749	766
38	Bhanvase B.A.; Sonawane S.H.; Pawade V.B.; Pandit A.B.	Preface	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			xxxi	xxxiii
39	Paul A.K.; Borugadda V.B.; Reshad A.S.; Bhalerao M.S.; Tiwari P.; Goud V.V.	Comparative study of physicochemical and rheological property of waste cooking oil, castor oil, rubber seed oil, their methyl esters and blends with mineral diesel fuel	2021	Materials Science for Energy Technologies	4		148	155
40	Ramteke L.P.; Sarode D.D.; Marathe Y.S.; Ghosh P.K.	Removal of fluoride contaminant in phosphate fertilizers through solid State thermal treatment	2021	Journal of Fluorine Chemistry	241			
41	Pandya A.; Upadhaya P.; Lohakare S.; Srivastava T.; Mhatre S.; Pulakkat S.; Patravale V.B.	Nanobiomaterials for regenerative medicine	2021	Nanotechnology in Medicine and Biology			141	187
42	Joshi G.M.; Shukla S.K.; Hussain C.M.	Conclusion	2021	Functionalized Nanomaterials Based Devices for Environmental Applications			379	380
43	Yadav M.D.	Advanced nanocomposite ion exchange materials for water purification	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			513	534
44	Tang L.; Patel A.; Sweeney D.J.; Banerjee N.; Thakur A.K.; Chaudhari P.; Kumar R.; Joshi J.	Understanding household energy challenges in Himalayan communities using participatory design approaches	2021	Proceedings of the ASME Design Engineering Technical Conference	6			
45	Mhaske S.T.; Mestry S.U.;	CHAPTER 7: Acids	2021	RSC Nanoscience and Nanotechnology	2021-	50	157	183

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	Borse P.Y.				January			
46	Upadhaya P.; Pulakkat S.; Patravale V.	Diagnostic and theranostic intranasal nanointerventions for brain diseases	2021	Direct Nose-to-Brain Drug Delivery: Mechanism, Technological Advances, Applications, and Regulatory Updates			287	303
47	Agrawal A.A.; Pawar K.A.; Ghegade V.N.; Kapse A.A.; Patravale V.B.	Nanobiomaterials for medical devices and implants	2021	Nanotechnology in Medicine and Biology			235	272
48	Jamil I.; Bano H.; Malshe V.C.; Mahmood A.; Khan K.; Ahmad N.M.	Corrosion Resistance Synergistic Appraisal of Titanium-Impregnated Bisphenol A-Type Epoxy Duplex Coating System in Stimulated and Natural Marine Environments of Southeastern Coastal Area of China-Pakistan Economic Corridor	2021	Advances in Polymer Technology	2021			
49	Dwivedi P.G.	Linear Dynamical Model as Market Indicator of the National Stock Exchange of India	2021	Advances in Intelligent Systems and Computing	1319		73	85
50	Mali S.N.; Mohajer F.; Ziarani G.M.; Pratap A.P.	A viewpoint on potential biomarkers for infectious covid-19 severity: An updated literature survey	2021	Infectious Disorders - Drug Targets	21	5		
51	Moravkar K.K.; Shah D.S.; Jha D.K.; Amin P.D.; Surana S.J.	Nose-to-brain delivery of antiretroviral drugs against NeuroAIDS	2021	Direct Nose-to-Brain Drug Delivery: Mechanism, Technological Advances, Applications, and Regulatory Updates			405	414
52	Mallick A.; Patil P.D.; Tiwari M.S.; Kane P.; Khonde D.	Green and sustainable methods for dye degradation employing photocatalytic materials	2021	Photocatalytic Degradation of Dyes: Current Trends and Future Perspectives			345	376
53	Ranjekar A.M.; Yadav G.D.	Dry reforming of methane for syngas production: A review and assessment of catalyst development and efficacy	2021	Journal of the Indian Chemical Society	98	1		
54	Jaiswal K.; Saraiya S.; Rathod V.K.	Intensification of enzymatic synthesis of decyl oleate using ultrasound in solvent free system: Kinetic, thermodynamic and physicochemical study	2021	Journal of Oleo Science	70	4	559	570
55	Maiti S.; Kane P.; Pandit P.; Singha K.; Maity S.	Zero liquid discharge wastewater treatment technologies	2021	Sustainable Technologies for Textile Wastewater Treatments			209	234
56	Pandey K.; Gokhale J.S.	Probiotics Targeting Enteric Infections	2021	Probiotic Research in Therapeutics Volume 2: Modulation of Gut Flora: Management of Inflammation and Infection Related Gut Etiology	2		271	293
57	Divekar M.; Gaval V.R.; Wonisch A.; Jadhav G.	Increase in Warpage Prediction Accuracy for Glass Filled Polyamide Material (PA66) through Integrative Simulation Approach	2021	ASM Science Journal	15		1	9
58	Bhatkar N.S.; Shirkole S.S.;	Drying of tomatoes and tomato processing waste: a critical	2021	Drying Technology	39	11	1720	1744

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	Mujumdar A.S.; Thorat B.N.	review of the quality aspects						
59	Sathe P.S.; Adivarekar R.V.; Pandit A.B.	Valorization of peanut shell biochar for soil amendment	2021	Journal of Plant Nutrition	45	4	503	521
60	Pandit P.; Maiti S.; Maity S.; Singha K.	Green chemistry in textile processes	2021	Green Chemistry for Sustainable Textiles: Modern Design and Approaches			353	374
61	Badgujar K.C.; Badgujar V.C.; Bhanage B.M.	Ionic liquids for bioenergy production	2021	Ionic Liquid-Based Technologies for Environmental Sustainability			235	256
62	Osmani R.A.M.; Singh E.; Bhosale R.; Vaghela R.; Patravale V.	Nanotherapeutic platforms for osteoarticular tuberculosis	2021	A Mechanistic Approach to Medicines for Tuberculosis Nanotherapy			175	199
63	Nadar S.S.; Patil S.P.; Kelkar R.K.; Patil N.P.; Pise P.V.; Tiwari M.S.; Phirke A.N.; Patil P.D.	Nanobiomaterials for bioimaging	2021	Nanotechnology in Medicine and Biology			189	234
64	Arthisree D.; Joshi G.M.; Madhuri W.	Photosensitivity of graphene quantum dots dispersed polyvinyl butyral nanocomposites	2021	Indian Journal of Pure and Applied Physics	59	11	775	778
65	Patil S.S.; Rathod V.K.	Intensification of extraction of biomolecules using three-phase partitioning	2021	Three Phase Partitioning: Applications in Separation and Purification of Biological Molecules and Natural Products			285	322
66	Gandhi S.S.; Gogate P.R.	Intensified transesterification of castor oil using ultrasonic horn: response surface methodology (RSM) based optimization	2021	International Journal of Green Energy	18	14	1523	1535
67	Marathe S.J.; Shah N.N.; Singhal R.S.	Three phase partitioning (TPP) as an extraction technique for oleaginous materials	2021	Three Phase Partitioning: Applications in Separation and Purification of Biological Molecules and Natural Products			267	284
68	Gadhave Ravindra V.; Vineeth S.K.; Mahanwar Prakash A.; Gadekar Pradeep T.	Combined effect of boric acid and citric acid on thermal and mechanical properties of starch-polyvinyl alcohol-based wood adhesive	2021	Research Journal of Chemistry and Environment	25	1	156	166
69	Chavda V.P.; Pandya A.; Pulakkat S.; Soniwala M.; Patravale V.	Lymphatic filariasis vaccine development: neglected for how long?	2021	Expert Review of Vaccines	20	11	1471	1482
70	Kamble H.A.; Gatade A.A.; Sahoo A.K.; Annapure U.S.	Effect of blanching treatment on antioxidant activity and color values of sugarcane juice	2021	Materials Today: Proceedings	47		5663	5667
71	Madankar C.S.; Bhagwat S.S.; Meshram P.D.	Cd2+ removal from synthetic waters by ZnCl2-activated carbon	2021	Materials Today: Proceedings	45		4684	4688

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72	Bhargava A.; Salunkhe G.; Bhargava S.; Goswami P.	A Comprehensive Study of IoT Security Risks in Building a Secure Smart City	2021	Digital Cities Roadmap: IoT-Based Architecture and Sustainable Buildings			401	448
73	Malani R.S.; Moholkar V.S.; Elbashir N.O.; Choudhury H.A.	Advancements of Cavitation Technology in Biodiesel Production - from Fundamental Concept to Commercial Scale-Up	2021	Liquid Biofuels: Fundamentals, Characterization, and Applications			39	76
74	Ladole M.R.; Patil S.S.; Paraskar P.M.; Pokale P.B.; Patil P.D.	Desalination Using Electrodialysis	2021	Advances in Science, Technology and Innovation			15	38
75	Das D.; Bhanage B.M.	Nickel-Catalyzed Carbonylations	2021	Carbon Monoxide in Organic Synthesis: Carbonylation Chemistry			51	81
76	Bhat A.P.; Jadhav A.J.; Holkar C.R.; Pinjari D.V.	Doped-TiO2 and doped-mixed metal oxide-based nanocomposite for photocatalysis	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			155	180
77	Lin Y.H.; Li J.; Qin Y.; Wang H.; Gupta S.	Carbodiimide scaffolds: Efficient and versatile reagents in synthesis of heterocycles	2021	Synthetic Communications	51	18	2713	2731
78	Kakade P.; Wairkar S.; Lohakare S.; Shah P.; Patravale V.	Probiotics for Atopic Dermatitis: An Update	2021	Probiotic Research in Therapeutics: Volume 3: Probiotics and Gut Skin Axis–Inside Out and Outside In	3		197	244
79	Bhanvase B.A.; Sonawane S.H.; Pawade V.B.; Pandit A.B.	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale Up Issues: A volume in Micro and Nano Technologies	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			1	1182
80	Joshi V.A.; Joshi G.M.; Shukla S.K.	Synthesis, properties and applications of nanomaterials: A mini review	2021	Functionalized Nanomaterials Based Devices for Environmental Applications			61	75
81	Pratap A.P.; Mestri R.S.; Mali S.N.	Waste derived-green and sustainable production of Sophorolipid	2021	Current Research in Green and Sustainable Chemistry	4			
82	Pandya A.; Pulakkat S.; Jadhav S.; Patravale V.	Probiotics as Edible Vaccines	2021	Probiotic Research in Therapeutics: Volume 3: Probiotics and Gut Skin Axis–Inside Out and Outside In	3		269	293
83	Jadhav H.; Waghmare J.; Annapure U.	Effect of mono and diglyceride of medium chain fatty acid on the stability of flavour emulsion	2021	Food Research	5	2	214	220
84	Chakinala N.; Gogate P.R.; Chakinala A.G.	Photocatalytic degradation of rhodamine-b over mono- And bi-metallic tio2 catalysts	2021	Materials Today: Proceedings	43		3066	3070
85	Solanke S.G.; Gaval V.R.	Tribological studies of different bioimplant materials for orthopedic application using Taguchi experimental design	2021	Tribologia	38	03-Apr	4	14
86	Mahindrakar K.V.; Rathod V.K.	Ultrasound-assisted extraction of lipids, carotenoids, and other compounds from marine resources	2021	Innovative and Emerging Technologies in the Bio-marine Food Sector: Applications,			81	128

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				Regulations, and Prospects				
87	Jadhav A.C.; Jadhav N.C.	Treatment of textile wastewater using adsorption and adsorbents	2021	Sustainable Technologies for Textile Wastewater Treatments			235	273
88	Choubey S.; Goswami P.; Gautam S.	Recovery of copper from Waste PCB boards using electrolysis	2021	Materials Today: Proceedings	42		2656	2659
89	Subramanian S.; Patil M.; Ingle U.; Lali A.	Preparative ion exchange purification of capreomycin from fermentation broth produced by Streptomyces capreolus	2021	Journal of Liquid Chromatography and Related Technologies	44	07-Aug	364	374
90	Bhanvase B.A.; Pawade V.B.; Sonawane S.H.; Pandit A.B.	Nanomaterials for wastewater treatment: Concluding remarks	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			1125	1157
91	Chaudhari A.; Dandekar P.	Graphene-based biosensors for the detection of Zika virus	2021	Zika Virus Impact, Diagnosis, Control, and Models: Volume 2: The Neuroscience of Zika Virus			263	272
92	Singh P.S.; Mali S.N.; Sangale N.R.; Pratap A.P.	Synthesis of (2-hydroxyl-3-butoxyl) propyl-succinyl-chitosan – An amino sugar anionic surfactant under microwave irradiation and its application	2021	Thai Journal of Pharmaceutical Sciences	45	6	461	469
93	Nadar S.S.; Patil P.D.; Tiwari M.S.; Ahirrao D.J.	Enzyme embedded microfluidic paper-based analytic device (μPAD): a comprehensive review	2021	Critical Reviews in Biotechnology	41	7	1046	1080
94	Tomke P.D.; Rathod V.K.	Heterogeneous photocatalysis of organic dyes	2021	Photocatalytic Degradation of Dyes: Current Trends and Future Perspectives			309	344
95	Rodrigues V.J.; Odaneth A.A.	Industrial application of cellulases	2021	Current Status and Future Scope of Microbial Cellulases			189	209
96	Dey A.; Gogate P.R.	Nanocomposite photocatalysts-based wastewater treatment	2021	Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up Issues			779	809
97	Rekunge D.S.; Mali A.S.; Chaturbhuj G.U.	One-Pot Expeditious Synthesis of 2-Amino-4,6-(disubstituted)nicotinonitriles Using Activated Fuller's Earth as Catalyst	2021	Organic Preparations and Procedures International	53	2	112	119
98	Nagula K.; Sati H.; Trivedi N.; Reddy C.R.K.	Biofuels and bioproducts from seaweeds	2021	Advanced Biofuel Technologies: Present Status, Challenges and Future Prospects			431	455
99	Patil P.D.; Nadar S.S.; Marghade D.T.	Photo-Enzymatic Green Synthesis: The Potential of Combining Photo-Catalysis and Enzymes	2021	Advances in Science, Technology and Innovation			173	189
100	Hussain C.M.; Shukla S.K.; Joshi G.M.	Functionalized Nanomaterials Based Devices for Environmental Applications	2021	Functionalized Nanomaterials Based Devices for Environmental Applications			1	394
101	Shewale S.P.; Jadhav S.V.; Rathod V.K.	Hydrodynamic optimisation to control membrane fouling in glycyrrhizic acid (GA) recovery from the licorice root extract	2021	Indian Chemical Engineer	63	1	22	33

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102	Ayare N.N.; Gupta P.O.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	NLOphoric imidazole-fused fluorescent anthraquinone dyes	2021	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	246			
103	Kapale S.S.; Chaudhari H.K.; Mali S.N.; Takale B.S.; Pawar H.	A sustainable approach towards the three-component synthesis of unsubstituted 1H-imidazoles in the water at ambient conditions	2021	Journal of Asian Natural Products Research	23	7	712	716
104	Datir K.; Shinde H.; Pratap A.P.	Preparation of a gemini surfactant from mixed fatty acid and its use in cosmetics	2021	Tenside, Surfactants, Detergents	58	1	67	73
105	Patil R.S.; Bhagwat S.S.	Thermodynamic analysis and optimisation of double effect absorption type combined power and cooling cycle using LiBr-water as working fluid	2021	International Journal of Exergy	34	2	159	178
106	Wagal O.S.; Joshi A.J.; Joshi U.J.; Bhojwani H.R.; Begwani K.V.; Dawne H.A.; Gude R.P.; Sathaye S.S.; Kanchan D.M.	Studies in molecular modeling, in vitro CDK2 inhibition and antimetastatic activity of some synthetic flavones	2021	Frontiers in Bioscience - Landmark	26	4	664	681
107	Sarkar A.; Dyawanapelly S.	Nanodiagnostics and Nanotherapeutics for age-related macular degeneration	2021	Journal of Controlled Release	329		1262	1282
108	Gadgeel A.A.; Mhaske S.T.	Morphological properties, rheological behaviors, and phase interaction of nylon 11/polypropylene blends by in situ reactive compatibilization and dispersion through polyhydroxybutyrate	2021	Journal of Applied Polymer Science	138	4		
109	Muringa Kandy M.; Rajeev K A.; Sankaralingam M.	Development of proficient photocatalytic systems for enhanced photocatalytic reduction of carbon dioxide	2021	Sustainable Energy and Fuels	5	1	12	33
110	Gokhale K.M.; Telvekar V.N.	Novel peptidomimetic peptide deformylase (PDF) inhibitors of Mycobacterium tuberculosis	2021	Chemical Biology and Drug Design	97	1	148	156
111	Nimbekar A.A.; Deshmukh R.R.	Plasma-Assisted Grafting of PPY on Polyester Fabric as Gas Transducer	2021	IEEE Transactions on Plasma Science	49	2	604	614
112	Jain P.; Deshmukh S.P.	Design of three-phase five-level cascaded H bridge inverter with boost converter	2021	International Journal of Electronics	108	3	478	498
113	Vedula S.S.; Yadav G.D.	Chitosan-based membranes preparation and applications: Challenges and opportunities	2021	Journal of the Indian Chemical Society	98	2		
114	Hanchate N.; Malhotra R.; Mathpati C.S.	Design of experiments and analysis of dual fluidized bed gasifier for syngas production: Cold flow studies	2021	International Journal of Hydrogen Energy	46	6	4776	4787
115	Yadav M.D.; Dasgupta K.	Kinetics of carbon nanotube aerogel synthesis using floating catalyst chemical vapor deposition	2021	Industrial and Engineering Chemistry Research	60	5	2187	2196
116	Joshi H.A.; Patwardhan R.S.;	Pre-clinical evaluation of an innovative oral nano-formulation	2021	International Journal of Pharmaceutics	595			

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	Sharma D.; Sandur S.K.; Devarajan P.V.	of baicalein for modulation of radiation responses						
117	Patil S.S.; Pathak A.; Rathod V.K.	Optimization and kinetic study of ultrasound assisted deep eutectic solvent based extraction: A greener route for extraction of curcuminoids from Curcuma longa	2021	Ultrasonics Sonochemistry	70			
118	Lokhande A.S.; Devarajan P.V.	A review on possible mechanistic insights of Nitazoxanide for repurposing in COVID-19	2021	European Journal of Pharmacology	891			
119	Pawar S.S.; Adivarekar R.	A novel approach for dyeing of polyester using non-aqueous deep eutectic solvent as a dyeing medium	2021	Pigment and Resin Technology	50	1	1	9
120	Kshirsagar V.; Thingore C.; Juvekar A.	Insulin resistance: a connecting link between Alzheimer's disease and metabolic disorder	2021	Metabolic Brain Disease	36	1	67	83
121	Khaire R.A.; Gogate P.R.	Understanding the role of different operating modes and ultrasonic reactor configurations for improved sonocrystallization of lactose	2021	Chemical Engineering and Processing - Process Intensification	159			
122	Bajaj S.R.; Marathe S.J.; Singhal R.S.	Co-encapsulation of vitamins B12 and D3 using spray drying: Wall material optimization, product characterization, and release kinetics	2021	Food Chemistry	335			
123	Hanchate N.; Ramani S.; Mathpati C.S.; Dalvi V.H.	Biomass gasification using dual fluidized bed gasification systems: A review	2021	Journal of Cleaner Production	280			
124	Shinde S.; Bait S.P.; Adivarekar R.; Nethi N.S.	Benzophenone based disperse dyes for UV protective clothing: synthesis, comparative study of UPF, light fastness and dyeing properties and computational study	2021	Journal of the Textile Institute	112	1	71	84
125	Deshmukh D.S.; Gangwar N.; Bhanage B.M.	N-Tosylhydrazone as an oxidizing directing group for the redox-neutral access to isoquinolines via Cp∗Co(III)-Catalyzed C–H/N–N activation	2021	Journal of the Indian Chemical Society	98	2		
126	Mhatre S.; Naik S.; Patravale V.	A molecular docking study of EGCG and theaflavin digallate with the druggable targets of SARS-CoV-2	2021	Computers in Biology and Medicine	129			
127	Bhat A.P.; Gogate P.R.	Degradation of nitrogen-containing hazardous compounds using advanced oxidation processes: A review on aliphatic and aromatic amines, dyes, and pesticides	2021	Journal of Hazardous Materials	403			
128	Sose M.T.; Rathod V.K.	Ultrasound assisted enzyme catalysed synthesis of butyl caprylate in solvent free system	2021	Indian Chemical Engineer	63	4	402	413
129	Thingore C.; Kshirsagar V.; Juvekar A.	Amelioration of oxidative stress and neuroinflammation in lipopolysaccharide-induced memory impairment using Rosmarinic acid in mice	2021	Metabolic Brain Disease	36	2	299	313
130	Aklujkar P.S.;	A review of microencapsulated thermochromic coatings for	2021	Journal of Coatings Technology and	18	1	19	37

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	Kandasubramanian B.	sustainable building applications		Research				
131	Deore T.S.; Sadgar A.L.; Jayaram R.V.	Mixed Micelles of Surface Active Ionic Liquid (SAIL)–Octylphenol Ethoxylate: A Novel Reaction Medium for Selective Oxidation of Toluene to Benzaldehyde	2021	Journal of Surfactants and Detergents	24	1	185	190
132	Tekale D.P.; Yadav G.D.	Esterification of propanoic acid with 1,2-propanediol: Catalysis by cesium exchanged heteropoly acid on K-10 clay and kinetic modelling	2021	Reaction Chemistry and Engineering	6	2	313	320
133	Navale G.R.; Dharne M.S.; Shinde S.S.	Metabolic engineering and synthetic biology for isoprenoid production in Escherichia coli and Saccharomyces cerevisiae	2021	Applied Microbiology and Biotechnology	105	2	457	475
134	Behere M.; Patil S.S.; Rathod V.K.	Rapid extraction of watermelon seed proteins using microwave and its functional properties	2021	Preparative Biochemistry and Biotechnology	51	3	252	259
135	Chavan A.; Vitankar V.; Mujumdar A.; Thorat B.	Natural convection and direct type (NCDT) solar dryers: a review	2021	Drying Technology	39	13	1969	1990
136	Shinde S.S.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Non-Linear Optical Properties of Disperse Blue 354 and Disperse Blue183 by DFT and Z-Scan Technique	2021	Polycyclic Aromatic Compounds	41	7	1531	1548
137	Shaik S.A.; Sengupta S.; Varma R.S.; Gawande M.B.; Goswami A.	Syntheses of N-Doped Carbon Quantum Dots (NCQDs) from Bioderived Precursors: A Timely Update	2021	ACS Sustainable Chemistry and Engineering	9	1	3	49
138	Sarkar J.; Kumar A.	Recent Advances in Biomaterial-Based High-Throughput Platforms	2021	Biotechnology Journal	16	2		
139	Khandare R.D.; Tomke P.D.; Rathod V.K.	Kinetic modeling and process intensification of ultrasound-assisted extraction of d-limonene using citrus industry waste	2021	Chemical Engineering and Processing - Process Intensification	159			
140	Honmane B.; Bhansali R.; Deshpande T.; Dhand A.; Mogha S.; Mukherjee J.; Ghosh D.; Sarode G.; Srivastava S.; Dive A.; Deshmukh D.; Ghosh P.K.	Harnessing the osmotic energy of cane molasses by forward osmosis: process studies and implications for a sugar mill	2021	International Journal of Environmental Studies	78	2	247	270
141	Jadhav A.C.; Jadhav N.C.	Graft copolymerization of methyl methacrylate on Meizotropis Pellita fibres and their applications in oil absorbency	2021	Iranian Polymer Journal (English Edition)	30	1	9	24
142	Khaire R.A.; Gogate P.R.	Novel approaches based on ultrasound for spray drying of food and bioactive compounds	2021	Drying Technology	39	12	1832	1853
143	Boruah G.; Phukan A.R.; Kalita B.B.; Pandit P.; Jose S.	Dyeing of Mulberry Silk Using Binary Combination of Henna Leaves and Monkey Jack Bark	2021	Journal of Natural Fibers	18	2	229	237

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144	Jawale P.V.; Bhanage B.M.	Synthesis of propyl benzoate by solvent-free immobilized lipase-catalyzed transesterification: Optimization and kinetic modeling	2021	Bioprocess and Biosystems Engineering	44	2	369	378
145	Ladole M.R.; Pokale P.B.; Varude V.R.; Belokar P.G.; Pandit A.B.	One pot clarification and debittering of grapefruit juice using co-immobilized enzymes@chitosanMNPs	2021	International Journal of Biological Macromolecules	167		1297	1307
146	Das A.; Prakash G.; Lali A.M.	2,3-Butanediol production using soy-based nitrogen source and fermentation process evaluation by a novel isolate of Bacillus licheniformis BL1	2021	Preparative Biochemistry and Biotechnology	51	10	1046	1055
147	Shejale A.D.; Yadav G.D.	Sustainable and selective hydrogen production by steam reforming of bio-based ethylene glycol: Design and development of Ni–Cu/mixed metal oxides using M (CeO2, La2O3, ZrO2)–MgO mixed oxides	2021	International Journal of Hydrogen Energy	46	6	4808	4826
148	Mali S.N.; Pratap A.P.	Nanotechnology-based approaches for covid-19: A path forward	2021	Current Nanomaterials	6	1	17	22
149	Valvi A.; Tiwari S.	Solvent-Controlled Regioselectivity in Nucleophilic Substitution Reactions of 1-X-2,4-Difluorobenzenes with Morpholine Using Deep Eutectic Solvents	2021	ChemistrySelect	6	2	249	254
150	Wadekar P.H.; Pethsangave D.A.; Khose R.V.; Some S.	Synthesis of Iodine-Functionalized Graphene Electrocatalyst Using Deep Eutectic Solvents for Oxygen Reduction Reaction and Supercapacitors	2021	Energy Technology	9	2		
151	Ponda D.J.D.J.; Mestry S.U.; Borse P.Y.; Mhaske S.T.	Reactive quaternary ammonium antimicrobial agent derived from cardanol for UV curable coating	2021	Iranian Polymer Journal (English Edition)	30	2	179	191
152	Bajaj S.R.; Marathe S.J.; Grebenc T.; Zambonelli A.; Shamekh S.	First report of European truffle ectomycorrhiza in the semi-arid climate of Saudi Arabia	2021	3 Biotech	11	1		
153	Roy L.; Mondal B.; Neese F.; Ye S.	Chapter 5: Theoretical Approach to Homogeneous Catalytic Reduction of CO2: Mechanistic Understanding to Build New Catalysts	2021	RSC Energy and Environment Series	2021-January	28	197	225
154	Panadare D.; Dialani G.; Rathod V.	Extraction of volatile and non-volatile components from custard apple seed powder using supercritical CO2 extraction system and its inventory analysis	2021	Process Biochemistry	100		224	230
155	Utekar S.; V K S.; More N.; Rao A.	Comprehensive study of recycling of thermosetting polymer composites – Driving force, challenges and methods	2021	Composites Part B: Engineering	207			
156	Teli S.M.; Mathpati C.	Hydrodynamic studies in sectionalised external loop air lift reactors	2021	Indian Chemical Engineer	63	1	34	49

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157	Daware G.B.; Gogate P.R.	Removal of pyridine using ultrasound assisted and conventional batch adsorption based on tea waste residue as biosorbent	2021	Environmental Technology and Innovation	21			
158	Mulay A.; Rathod V.K.	Kinetics of ultrasound-assisted esterification of maleic acid and butanol using heterogeneous catalyst	2021	International Journal of Chemical Kinetics	53	1	84	94
159	Raju A.; De S.; Ray M.; Degani M.	Antituberculosis activity of polyphenols of Areca catechu	2021	International Journal of Mycobacteriology	10	1	13	18
160	Margi N.H.; Yadav G.D.	Molybdenum oxide modified montmorillonite K10 clay as novel solid acid for flow synthesis of ionone isomers	2021	Molecular Catalysis	501			
161	Pawar P.R.; Velani S.; Kumari S.; Lali A.M.; Prakash G.	Isolation and optimization of a novel thraustochytrid strain for DHA rich and astaxanthin comprising biomass as aquafeed supplement	2021	3 Biotech	11	2		
162	Chavan A.; Vitankar V.; Shinde N.; Thorat B.	CFD simulation of solar grain dryer	2021	Drying Technology	39	8	1101	1113
163	Gupta A.R.; Chiplunkar P.P.; Pratap A.P.; Rathod V.K.	Esterification of Palm Fatty Acid Distillate for FAME Synthesis Catalyzed by Super-Acid Catalyst HClSO3–ZrO2	2021	Waste and Biomass Valorization	12	1	281	292
164	Deorukhkar A.; Ananthanarayan L.	Effect of thermal processing methods on flavonoid and isoflavone content of decorticated and whole pulses	2021	Journal of Food Science and Technology	58	2	465	473
165	Ghanavatkar C.W.; Mishra V.R.; Sekar N.	Comparison of donors julolidine and triphenylamine in TCF-based NLOphoric dyes–a DFT approach	2021	Molecular Physics	119	6		
166	Mali S.N.; Thorat B.R.; Chopade A.R.	A viewpoint on angiotensin-converting enzyme 2, anti-hypertensives and coronavirus disease 2019 (COVID-19)	2021	Infectious Disorders - Drug Targets	21	3	311	313
167	Ukarde T.M.; Pawar H.S.	A Cu doped TiO2 catalyst mediated Catalytic Thermo Liquefaction (CTL) of polyolefinic plastic waste into hydrocarbon oil	2021	Fuel	285			
168	Arya S.S.; Shakya N.K.	High fiber, low glycaemic index (GI) prebiotic multigrain functional beverage from barnyard, foxtail and kodo millet	2021	LWT	135			
169	Sahu A.; Lodaya B.G.; Handu A.V.; Pandit A.B.	Expeditious synthesis and kinetic study of biodegradable amide 2,2-((3-(2-((carboxymethyl)amino)-2-oxoethyl)-3-hydroxypentanedioyl)bis(azanediyl) diacetic acid (COHBDA) under ultrasound irradiation	2021	Indian Chemical Engineer	63	3	252	266
170	Gawande S.M.; Sarode D.D.	Water Pollution and Its Prevention Through Development of Low Cost Wastewater Treatment System	2021	RILEM Bookseries	29		527	534
171	Mahindrakar K.V.; Rathod V.K.	Antidiabetic potential evaluation of aqueous extract of waste Syzygium cumini seed kernel's by in vitro α-amylase and α-glucosidase inhibition	2021	Preparative Biochemistry and Biotechnology	51	6	589	598

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172	Vasu D.; Navaneetha Pandiyaraj K.; Padmanabhan P.V.A.; Pichumani M.; Deshmukh R.R.; Jaganathan S.K.	Degradation of simulated Direct Orange-S (DO-S) textile effluent using nonthermal atmospheric pressure plasma jet	2021	Environmental Geochemistry and Health	43	2	649	662
173	Gadgeel A.A.; Mhaske S.T.	Synthesis and characterization of UV curable polyurethane acrylate derived from α-Ketoglutaric acid and isosorbide	2021	Progress in Organic Coatings	150			
174	Ranjekar A.M.; Yadav G.D.	Steam Reforming of Methanol for Hydrogen Production: A Critical Analysis of Catalysis, Processes, and Scope	2021	Industrial and Engineering Chemistry Research	60	1	89	113
175	Upadhyay P.; Lali A.	Protocatechuic acid production from lignin-associated phenolics	2021	Preparative Biochemistry and Biotechnology	51	10	979	984
176	Chavan A.; Vitankar V.; Thorat B.	CFD modeling and experimental study of solar conduction dryer	2021	Drying Technology	39	8	1087	1100
177	Pawar S.S.; Athalye A.; Adivarekar R.V.	Solvent Assisted Dyeing of Silk Fabric Using Deep Eutectic Solvent as a Swelling Agent	2021	Fibers and Polymers	22	2	405	411
178	Shirkole S.S.; Sutar P.P.	Special Issue for the 10th Asia Pacific Drying Conference (ADC 2019)	2021	Drying Technology	39	3	283	
179	Bajaj S.R.; Singhal R.S.	Enhancement of stability of vitamin B12 by co-crystallization: A convenient and palatable form of fortification	2021	Journal of Food Engineering	291			
180	Raut V.; Wani R.R.; Chaudhari H.K.; Das D.	Solvent-free one pot synthesis of 1,2-dihydroquinolines from anilines and acetone catalysed by MOF-199	2021	Results in Chemistry	3			
181	Tekale D.P.; Yadav G.D.; Dalai A.K.	Solvent-free benzylation of glycerol by benzyl alcohol using heteropoly acid impregnated on k-10 clay as catalyst	2021	Catalysts	11	1	1	16
182	Wagle P.G.; Tamboli S.S.; More A.P.	Peelable coatings: A review	2021	Progress in Organic Coatings	150			
183	Dhar R.; Bhalerao P.P.; Chakraborty S.	Formulation of a mixed fruit beverage using fuzzy logic optimization of sensory data and designing its batch thermal pasteurization process	2021	Journal of Food Science	86	2	463	474
184	Sen N.; Singh K.K.; Patwardhan A.W.; Shenoy K.T.	Computational Fluid Dynamics Modelling to Predict Axial Dispersion in Pulsatile Liquid-liquid Two-phase Flow in Pulsed Sieve Plate Columns	2021	Solvent Extraction and Ion Exchange	39	3	328	352
185	Ghodke S.; Dandekar P.; Jain R.	Simplified evaluation aided by mathematical calculation for characterization of polyols by hydroxyl value determination	2021	International Journal of Polymer Analysis and Characterization	26	2	169	178
186	Karemore A.L.; Sinha R.; Chugh P.; Vaidya P.D.	Mixed reforming of methane over Ni–K/CeO2–Al2O3: Study of catalyst performance and reaction kinetics	2021	International Journal of Hydrogen Energy	46	7	5223	5233
187	Swetha Shekarappa G.;	Voltage Constrained Reactive Power Planning by Ameliorated	2021	Lecture Notes in Electrical Engineering	699		435	443

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	Mahapatra S.; Raj S.	HHO Technique						
188	Motikar P.D.; More P.R.; Arya S.S.	A novel, green environment-friendly cloud point extraction of polyphenols from pomegranate peels: a comparative assessment with ultrasound and microwave-assisted extraction	2021	Separation Science and Technology (Philadelphia)	56	6	1014	1025
189	Gadhave R.V.; Vineeth S.K.; Mahanwar P.A.; Gadekar P.T.	Effect of addition of boric acid on thermo-mechanical properties of microcrystalline cellulose/polyvinyl alcohol blend and applicability as wood adhesive	2021	Journal of Adhesion Science and Technology	35	10	1072	1086
190	Ganbavle V.V.; Kalekar A.S.; Harale N.S.; Patil S.S.; Dhere S.L.	Rapid synthesis of ambient pressure dried tetraethoxysilane based silica aerogels	2021	Journal of Sol-Gel Science and Technology	97	1	5	10
191	Nimbekar A.A.; Deshmukh R.R.	Plasma-induced grafting of polyaniline on polyester fabric for gas sensing application	2021	Journal of Materials Science: Materials in Electronics	32	1	59	72
192	Jadhav H.B.; Annapure U.	Process intensification for synthesis of triglycerides of capric acid using green approaches	2021	Journal of the Indian Chemical Society	98	2		
193	Patil P.B.; Raut-Jadhav S.; Pandit A.B.	Effect of intensifying additives on the degradation of thiamethoxam using ultrasound cavitation	2021	Ultrasonics Sonochemistry	70			
194	Gumulya M.; Utikar R.P.; Pareek V.K.; Evans G.M.; Joshi J.B.	Dynamics of bubbles rising in pseudo-2D bubble column: Effect of confinement and inertia	2021	Chemical Engineering Journal	405			
195	Jaiswal K.S.; Rathod V.K.	Microwave-assisted synthesis of ethyl laurate using immobilized lipase: Optimization, mechanism and thermodynamic studies	2021	Journal of the Indian Chemical Society	98	2		
196	Taye M.; Chaudhary B.U.; Kale R.D.	Extraction and Analysis of Microcrystalline Cellulose from Delignified Serte Leaf Fiber Wastes	2021	Journal of Natural Fibers	18	11	1729	1741
197	Talkar S.S.; Patravale V.B.	Gene therapy for prostate cancer: A review	2021	Endocrine, Metabolic and Immune Disorders - Drug Targets	21	3	385	396
198	Mestry S.U.; Mahajan U.R.; Aswathy M.; Mhaske S.T.	Development of novel pH-sensitive azo dyes from Cardanol as a bioresource	2021	Pigment and Resin Technology	50	3	231	240
199	Mistry P.; Chhabra R.; Muke S.; Narvekar A.; Sathaye S.; Jain R.; Dandekar P.	Fabrication and characterization of starch-TPU based nanofibers for wound healing applications	2021	Materials Science and Engineering C	119			
200	Murthy Bandaru S.S.; Bhilare S.; Schulzke C.; Kapdi A.R.	1,3,5-Triaza-7-phosphaadamantane (PTA) Derived Caged Phosphines for Palladium-Catalyzed Selective Functionalization of Nucleosides and Heteroarenes	2021	Chemical Record	21	1	188	203
201	Jain R.; Bagul R.; Wadekar P.;	Greener approach towards the synthesis of graphene	2021	Journal of Materials Science: Materials in	32	10	13100	13107

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	Some S.	nanosheet and its application in supercapacitor		Electronics				
202	Maji S.; Sahu A.K.	Stirred tank simulation using Partially-Averaged Navier-Stokes ku- ϵu turbulence model	2021	SN Applied Sciences	3	5		
203	Bhatkar N.S.; Dhar R.; Chakraborty S.	Multi-objective optimization of enzyme-assisted juice extraction from custard apple: An integrated approach using RSM and ANN coupled with sensory acceptance	2021	Journal of Food Processing and Preservation	45	3		
204	Sahoo S.; Kharkar P.S.; Sahu N.U.; Brijesh S.	Anxiolytic activity of Psidium guajava in mice subjected to chronic restraint stress and effect on neurotransmitters in brain	2021	Phytotherapy Research	35	3	1399	1415
205	Karemore A.L.; Sinha R.; Chugh P.; Vaidya P.D.	Parametric and Reaction Kinetic Study of Syngas Production from Dry Methane Reforming over Improved Nickel Catalysts	2021	Energy and Fuels	35	7	6179	6189
206	Zara B.; Polgár M.; Sipos G.; Dóka G.; Gogate P.; Djokovic V.; Csóka L.	Effect of hydrodynamic cavitation water treatment on Pseudomonas aeruginosa quorum-sensing molecules	2021	Environmental Science and Pollution Research	28	20	26182	26186
207	Lahiri S.; Mandal D.; Gogate P.R.; Ghosh A.; Bhardwaj R.L.	Cavitation-assisted decontamination of yttria from graphite of different densities	2021	Ultrasonics Sonochemistry	73			
208	Shah D.S.; Jha D.K.; Gurram S.; Suñé-Pou M.; Garcia-Montoya E.; Amin P.D.	A new SeDeM-SLA expert system for screening of solid carriers for the preparation of solidified liquids: A case of citronella oil	2021	Powder Technology	382		605	618
209	Marghade D.; Malpe D.B.; Duraisamy K.; Patil P.D.; Li P.	Hydrogeochemical evaluation, suitability, and health risk assessment of groundwater in the watershed of Godavari basin, Maharashtra, Central India	2021	Environmental Science and Pollution Research	28	15	18471	18494
210	Jejurkar V.P.; Sourabh K.T.; Yashwantrao G.; Mone N.S.; Maliekal P.J.; Badani P.; Satpute S.; Saha S.	Troger's Base Derived Butterfly Shaped Contorted AIEgens for Dead Bacterial Cell-Imaging	2021	ChemistrySelect	6	15	3737	3744
211	Tsalagkas D.; Börcsök Z.; Pásztory Z.; Gogate P.; Csóka L.	Assessment of the papermaking potential of processed Miscanthus × giganteus stalks using alkaline pre-treatment and hydrodynamic cavitation for delignification	2021	Ultrasonics Sonochemistry	72			
212	Shet H.; Parmar U.; Bhilare S.; Kapdi A.R.	A comprehensive review of caged phosphines: Synthesis, catalytic applications, and future perspectives	2021	Organic Chemistry Frontiers	8	7	1599	1656
213	Kaikini A.A.; Muke S.; Peshattiwar V.; Bagle S.; Dighe V.; Sathaye S.	Ethyl ferulate, a lipophilic phenylpropanoid, prevents diabetes-associated renal injury in rats by amelioration of hyperglycemia-induced oxidative stress via activation of nuclear factor erythroid 2-related factor 2	2021	Journal of Food Biochemistry	45	4		
214	Patil D.A.; Tated S.; Mhaske	Plasticized kafirin-based films: analysis of thermal, barrier and	2021	Polymer Bulletin	78	3	1721	1733

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	S.T.	mechanical properties						
215	Waikar J.M.; More R.K.; Lavande N.R.; More P.M.	Lattice expansion and smaller CuOxCeO2−δ particles formation by magnesium interaction for low temperature CO oxidation	2021	Journal of Rare Earths	39	4	434	439
216	Parikh R.; Godse S.; Pawar N.; Pratap A.	Synthesis and Characterization of 2-Di-methyl Amino Ethyl Laurate Betaine Surfactant Synthese und Charakterisierung des Tensids 2-Di-Methylaminoethyllauratbetain	2021	Tenside, Surfactants, Detergents	58	3	220	229
217	Mestry D.V.; Bhowmick A.R.	On estimating the parameters of generalized logistic model from census data: Drawback of classical approach and reliable inference using Bayesian framework	2021	Ecological Informatics	62			
218	Pawar S.S.; Madiwale P.V.; Pawar A.; Adivarekar R.V.	Solvent assisted dyeing of silk fabric using glycerine based eutectic solvent as a swelling agent	2021	Research Journal of Textile and Apparel	25	1	31	46
219	Rana S.; Bhowmick A.R.; Sardar T.	Invasive dynamics for a predator-prey system with Allee effect in both populations and a special emphasis on predator mortality	2021	Chaos	31	3		
220	Karangutkar A.V.; Ananthanarayan L.	Evaluating the effect of additives on stability of betacyanin pigments from Basella rubra in a model beverage system during storage	2021	Journal of Food Science and Technology	58	4	1262	1273
221	Koranga B.S.; Nautiyal V.K.; Jha A.K.; Narayan M.	Quantum Gravity Effects on Oscillation Parameters in a Four Flavor Framework	2021	International Journal of Theoretical Physics	60	5	1920	1932
222	Pandian A.T.; Chaturvedi S.; Chakraborty S.	Applications of enzymatic time–temperature indicator (TTI) devices in quality monitoring and shelf-life estimation of food products during storage	2021	Journal of Food Measurement and Characterization	15	2	1523	1540
223	Borkar V.; Chakraborty S.; Gokhale J.S.	Fermentative Production of Naringinase from Aspergillus niger van Tieghem MTCC 2425 Using Citrus Wastes: Process Optimization, Partial Purification, and Characterization	2021	Applied Biochemistry and Biotechnology	193	5	1321	1337
224	Patil A.M.; Gite V.V.; Jirimali H.D.; Jagtap R.N.	Fully Biobased Nanocomposites of Hyperbranched-Polyol and Hydroxyapatite in Coating Applications	2021	Journal of Polymers and the Environment	29	3	799	810
225	Rathod C.H.; Nariya P.B.; Maliwal D.; Pissurlenkar R.R.S.; Kapuriya N.P.; Patel A.S.	Design, Synthesis and Antidiabetic Activity of Biphenylcarbonitrile-Thiazolidinedione Conjugates as Potential α-Amylase Inhibitors	2021	ChemistrySelect	6	9	2464	2469
226	Bhujbal A.V.; Venkatesan K.A.; Bhanage B.M.	Electrochemical deposition of nanocrystalline aluminum from a protic ionic liquid on mild steel	2021	Journal of Molecular Liquids	326			
227	Jadhav P.; Joshi G.M.	Recent trends in Nitrogen doped polymer composites: a review	2021	Journal of Polymer Research	28	3		

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228	Khare L.; Karve T.; Jain R.; Dandekar P.	Menthol based hydrophobic deep eutectic solvent for extraction and purification of ergosterol using response surface methodology	2021	Food Chemistry	340			
229	Hendre N.V.; Hinge S.P.; Patwardhan A.W.	Scale-Up Study on the Performance of the Asymmetric Rotating Impeller Extraction Column	2021	Industrial and Engineering Chemistry Research	60	16	5945	5963
230	Ghumra D.P.; Agarkoti C.; Gogate P.R.	Improvements in effluent treatment technologies in Common Effluent Treatment Plants (CETPs): Review and recent advances	2021	Process Safety and Environmental Protection	147		1018	1051
231	Joshi M.H.; Patil A.A.; Adivarekar R.V.	Uv protective finishing on cotton fabric using melanin nanoparticles	2021	Asian Dyer	18	1	25	32
232	Jadhav D.; Vavia P.	Dexamethasone Sodium Phosphate Loaded Modified Cyclodextrin Based Nanoparticles: An Efficient Treatment for Rheumatoid Arthritis	2021	Journal of Pharmaceutical Sciences	110	3	1206	1218
233	Minglani D.; Sharma A.; Pandey H.; Dayal R.; Joshi J.B.	Analysis of flow behavior of size distributed spherical particles in screw feeder	2021	Powder Technology	382		1	22
234	Margi N.H.; Yadav G.D.	Design of a novel dual function membrane microreactor for liquid-liquid-liquid phase transfer catalysed reaction: Selective synthesis of 1-naphthyl glycidyl ether	2021	Reaction Chemistry and Engineering	6	5	858	867
235	Bhat A.P.; Gogate P.R.	Cavitation-based pre-Treatment of wastewater and waste sludge for improvement in the performance of biological processes: A review	2021	Journal of Environmental Chemical Engineering	9	2		
236	Sonawane S.K.; Gokhale J.S.; Mulla M.Z.; Kandu V.R.; Patil S.	A comprehensive overview of functional and rheological properties of aloe vera and its application in foods	2021	Journal of Food Science and Technology	58	4	1217	1226
237	Bhat A.P.; Holkar C.R.; Jadhav A.J.; Pinjari D.V.	Acoustic and hydrodynamic cavitation assisted hydrolysis and valorisation of waste human hair for the enrichment of amino acids	2021	Ultrasonics Sonochemistry	71			
238	Sharma A.; Dixit R.; Sharma S.; Dutta S.; Yadav S.; Arora B.; Gawande M.B.; Sharma R.K.	Efficient and sustainable Co3O4 nanocages based nickel catalyst: A suitable platform for the synthesis of quinoxaline derivatives	2021	Molecular Catalysis	504			
239	Pawar P.R.; Rao P.; Prakash G.; Lali A.M.	Organic waste streams as feedstock for the production of high volume-low value products	2021	Environmental Science and Pollution Research	28	10	11904	11914
240	Tiple A.; Sinhmar P.S.; Gogate P.R.	Improved direct synthesis of TiO2 catalyst using sonication and its application for the desulfurization of thiophene	2021	Ultrasonics Sonochemistry	73			
241	Badgujar V.C.; Badgujar K.C.;	Investigation of effect of ultrasound on immobilized C. rugosa	2021	Enzyme and Microbial Technology	144			

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242	Jain S.S.; Yadav G.D.	Kinetic study for ionic liquid catalyzed green O-methylation of cresols using dimethyl carbonate	2021	Chemical Engineering Research and Design	168		202	213
243	Shaikh A.E.Y.; Chakraborty S.	Optimizing the formulation for reduced-calorie and antioxidant-rich sapodilla-based spread using hybrid computational techniques and fuzzy analysis of sensory data	2021	Journal of Food Process Engineering	44	5		
244	Dhoble S.; Ghodake V.; Peshattiwar V.; Patravale V.	Site-specific delivery of inhalable antiangiogenic liposomal dry powder inhaler technology ameliorates experimental pulmonary hypertension	2021	Journal of Drug Delivery Science and Technology	62			
245	Gaikwad G.; Bangde P.; Rane K.; Stenberg J.; Borde L.; Bhagwat S.; Dandekar P.; Jain R.	Continuous production and separation of new biocompatible palladium nanoparticles using a droplet microreactor	2021	Microfluidics and Nanofluidics	25	3		
246	Desigan N.; Pandey N.K.; Joshi J.B.	Influence of the concentration of nitric acid on the composition of NOX gas evolved during the dissolution of nuclear fuel and its implications on the PUREX process	2021	Progress in Nuclear Energy	135			
247	Dhakate M.M.; Joshi J.B.; Khakhar D.V.	Analysis of grinding in a spiral jet mill. Part 1: Batch grinding	2021	Chemical Engineering Science	231			
248	Datar S.D.; Mohanapriya K.; Ahirrao D.J.; Jha N.	Comparative study of electrosorption performance of solar reduced graphene oxide in flow-between and flow-through capacitive deionization architectures	2021	Separation and Purification Technology	257			
249	Kadam R.G.; Zhang T.; Zaoralová D.; Medveď M.; Bakandritsos A.; Tomanec O.; Petr M.; Zhu Chen J.; Miller J.T.; Otyepka M.; Zbořil R.; Asefa T.; Gawande M.B.	Single Co-Atoms as Electrocatalysts for Efficient Hydrazine Oxidation Reaction	2021	Small	17	16		
250	Jadhav H.B.; Gogate P.R.; Waghmare J.T.; Annapure U.S.	Intensified synthesis of palm olein designer lipids using sonication	2021	Ultrasonics Sonochemistry	73			
251	Mhatre S.; Srivastava T.; Naik S.; Patravale V.	Antiviral activity of green tea and black tea polyphenols in prophylaxis and treatment of COVID-19: A review	2021	Phytomedicine	85			
252	Salunke J.Y.; Yadav G.D.	Lanthanum doped Zirconia as an Efficient Catalyst for Reductive Amination of 2-Methoxybenzaldehyde with Dimethylformamide via Leuckart Type Reaction	2021	ES Materials and Manufacturing	19			

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254	Sutar S.A.; Thirumdas R.; Chaudhari B.B.; Deshmukh R.R.; Annapure U.S.	Effect of cold plasma on insect infestation and keeping quality of stored wheat flour	2021	Journal of Stored Products Research	92			
255	Teli M.D.; Pandit P.; Samanta K.K.; Basak S.; Gayatri T.N.	Salt-free and low temperature colouration of silk using He–N2 non-thermal plasma irradiation	2021	Journal of Cleaner Production	296			
256	Borase H.P.; Muley A.B.; Patil S.V.; Singhal R.S.	Enzymatic response of Moina macrocopa to different sized zinc oxide particles: An aquatic metal toxicology study	2021	Environmental Research	194			
257	Sinhmar P.S.; Tiple A.; Gogate P.R.	Combined extractive and oxidative desulfurization approach based on ultrasound and ultraviolet irradiation with additives for obtaining clean fuel	2021	Environmental Technology and Innovation	22			
258	Znak Z.; Zin O.; Mashtaler A.; Korniy S.; Sukhatskiy Y.; Gogate P.R.; Mnykh R.; Thanekar P.	Improved modification of clinoptilolite with silver using ultrasonic radiation	2021	Ultrasonics Sonochemistry	73			
259	Marathe S.J.; Shah N.N.; Bajaj S.R.; Singhal R.S.	Esterification of anthocyanins isolated from floral waste: Characterization of the esters and their application in various food systems	2021	Food Bioscience	40			
260	Deshaware S.; Marathe S.J.; Bedade D.; Deska J.; Shamekh S.	Investigation on mycelial growth requirements of Cantharellus cibarius under laboratory conditions	2021	Archives of Microbiology	203	4	1539	1545
261	Deshmukh D.S.; Shende V.S.; Bhanage B.M.	Insights into sustainable C-H bond activation	2021	Catalysis for Clean Energy and Environmental Sustainability: Petrochemicals and Refining Processes - Volume 2			253	318
262	Pisal D.S.; Yadav G.D.	Production of biofuel 2,5-dimethylfuran using highly efficient single-step selective hydrogenation of 5-hydroxymethylfurfural over novel Pd-Co/Al-Zr mixed oxide catalyst	2021	Fuel	290			
263	Pandiyaraj K.N.; Vasu D.; Ghobeira R.; Tabaei P.S.E.; De Geyter N.; Morent R.; Pichumani M.; Padmanabhanan P.V.A.;	Dye wastewater degradation by the synergetic effect of an atmospheric pressure plasma treatment and the photocatalytic activity of plasma-functionalized Cu–TiO2 nanoparticles	2021	Journal of Hazardous Materials	405			

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	Deshmukh R.R.							
264	John R.; Dalal B.; Shankarkumar A.; Devarajan P.V.	Innovative Betulin Nanosuspension exhibits enhanced anticancer activity in a Triple Negative Breast Cancer Cell line and Zebrafish angiogenesis model	2021	International Journal of Pharmaceutics	600			
265	Teli S.M.; Mathpati C.S.	Experimental and Numerical Study of Gas-Liquid Flow in a Sectionalized External-Loop Airlift Reactor	2021	Chinese Journal of Chemical Engineering	32		39	60
266	Moniruzzaman M.; Bhowmick A.R.; Karan S.; Mukherjee J.	Spatial heterogeneity within habitat indicates the community assemblage pattern and life strategies	2021	Ecological Indicators	123			
267	Agarkoti C.; Gogate P.R.; Pandit A.B.	Comparison of acoustic and hydrodynamic cavitation based hybrid AOPs for COD reduction of commercial effluent from CETP	2021	Journal of Environmental Management	281			
268	Shinde P.A.; Ukarde T.M.; Gogate P.R.; Pawar H.S.	An integrated approach of adsorption and membrane separation for treatment of sewage water and resource recovery	2021	Journal of Water Process Engineering	40			
269	Pawar P.R.; Lali A.M.; Prakash G.	Integration of continuous-high cell density-fed-batch fermentation for Aurantiochytrium limacinum for simultaneous high biomass, lipids and docosahexaenoic acid production	2021	Bioresource Technology	325			
270	Mishra A.A.; Bhanage B.M.	Ru-Tethered (R,R)-TsDPEN with DMAB as an efficient catalytic system for high enantioselective one-pot synthesis of chiral β-aminolviaasymmetric transfer hydrogenation	2021	New Journal of Chemistry	45	12	5357	5362
271	Salvi H.M.; Yadav G.D.	Process intensification using immobilized enzymes for the development of white biotechnology	2021	Catalysis Science and Technology	11	6	1994	2020
272	Sarkar J.; Kamble S.C.; Kashikar N.C.	Polymeric Bioinks for 3D Hepatic Printing	2021	Chemistry (Switzerland)	3	1	164	181
273	Telange D.R.; Jain S.P.; Pethe A.M.; Kharkar P.S.	Egg White Protein Carrier-Assisted Development of Solid Dispersion for Improved Aqueous Solubility and Permeability of Poorly Water Soluble Hydrochlorothiazide	2021	AAPS PharmSciTech	22	3		
274	Kannamangalam Vijayan U.; Shah N.N.; Muley A.B.; Singhal R.S.	Complexation of curcumin using proteins to enhance aqueous solubility and bioaccessibility: Pea protein vis-à-vis whey protein	2021	Journal of Food Engineering	292			
275	More P.R.; Arya S.S.	Intensification of bio-actives extraction from pomegranate peel using pulsed ultrasound: Effect of factors, correlation, optimization and antioxidant bioactivities	2021	Ultrasonics Sonochemistry	72			
276	Pieta I.S.; Kadam R.G.; Pieta	The Hallmarks of Copper Single Atom Catalysts in Direct	2021	Advanced Materials Interfaces	8	8		

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	P.; Mrdenovic D.; Nowakowski R.; Bakandritsos A.; Tomanec O.; Petr M.; Otyepka M.; Kostecki R.; Khan M.A.M.; Zboril R.; Gawande M.B.	Alcohol Fuel Cells and Electrochemical CO2 Fixation						
277	Bindu M.; Ananthapadmanabhan U.	Functional modification of silicone rubber through nano-hydroxylapatite embedding	2021	Polymers for Advanced Technologies	32	5	2118	2130
278	Patil S.; Sonawane S.K.; Arya S.S.	Chemometric approach-based characterization and screening of gluten free flours for development of Indian unleavened flatbread	2021	Journal of Food Science and Technology	58	5	1829	1838
279	Khose R.V.; Chakraborty G.; Bondarde M.P.; Wadekar P.H.; Ray A.K.; Some S.	Red-fluorescent graphene quantum dots from guava leaf as a turn-off probe for sensing aqueous Hg(ii)	2021	New Journal of Chemistry	45	10	4617	4625
280	Supe S.; Takudage P.	Methods for evaluating penetration of drug into the skin: A review	2021	Skin Research and Technology	27	3	299	308
281	Lanjekar K.J.; Rathod V.K.	Green extraction of Glycyrrhizic acid from Glycyrrhiza glabra using choline chloride based natural deep eutectic solvents (NADESs)	2021	Process Biochemistry	102		22	32
282	Agrawal N.; Savalia R.; Chatterjee S.	Nanostructured zinc oxide film amalgamated with functionalized carbon nanotubes for facile electrochemical determination of nifedipine	2021	Colloids and Surfaces B: Biointerfaces	201			
283	Sancheti S.V.; Yadav G.D.	CuO-ZnO-MgO as sustainable and selective catalyst towards synthesis of cyclohexanone by dehydrogenation of cyclohexanol over monovalent copper	2021	Molecular Catalysis	506			
284	Pradhan S.; Ananthanarayan L.; Prasad K.; Bhatnagar-Mathur P.	Anti-fungal activity of lactic acid bacterial isolates against aflatoxigenic fungi inoculated on peanut kernels	2021	LWT	143			
285	Gawande M.B.; Moores A.; Varma R.S.	ACS Sustainable Chemistry & Engineering Virtual Special Issue on N-Doped Carbon Materials: Synthesis and Sustainable Applications	2021	ACS Sustainable Chemistry and Engineering	9	11	3975	3976
286	Thomas D.; Baveja N.A.; Shenoy K.T.; Joshi J.B.	Mechanistic and kinetic study of thermolysis reaction with hydrolysis step products in Cu–Cl thermochemical cycle	2021	International Journal of Hydrogen Energy	46	24	12672	12681
287	Pratap A.P.; Datir K.; Mane S.; Shukla G.	Synthesis of dimeric surfactant based on neem fatty acid and its characterization	2021	Chemical Papers	75	5	1981	1991
288	Bhimrao Muley A.;	Production of biologically active peptides by hydrolysis of	2021	Ultrasonics Sonochemistry	71			

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	Bhalchandra Pandit A.; Satishchandra Singhal R.; Govind Dalvi S.	whey protein isolates using hydrodynamic cavitation						
289	Jejurkar V.P.; Yashwantrao G.; Kumar P.; Neekhra S.; Maliekal P.J.; Badani P.; Srivastava R.; Saha S.	Design and Development of Axially Chiral Bis(naphthofuran) Luminogens as Fluorescent Probes for Cell Imaging	2021	Chemistry - A European Journal	27	17	5470	5482
290	Shaikh K.M.; Pawale V.; Khadye V.S.; Sharma S.; Odaneth A.A.	Prototyping Yarrowia lipolytica for industrial production of hyperthermophilic enzymes- a case of β-glucosidase (CelB) from Pyrococcus furiosus	2021	Biochemical Engineering Journal	168			
291	Sane M.; Dighe V.; Patil R.; Hassan P.A.; Gawali S.; Patravale V.	Bivalirudin and sirolimus co-eluting coronary stent: Potential strategy for the prevention of stent thrombosis and restenosis	2021	International Journal of Pharmaceutics	600			
292	Pegu K.; Arya S.S.	Comparative assessment of HTST, hydrodynamic cavitation and ultrasonication on physico-chemical properties, microstructure, microbial and enzyme inactivation of raw milk	2021	Innovative Food Science and Emerging Technologies	69			
293	Yadav G.D.	The case for hydrogen economy	2021	Current Science	120	6	971	972
294	Telange D.R.; Jain S.P.; Pethe A.M.; Kharkar P.S.; Rarokar N.R.	Use of combined nanocarrier system based on chitosan nanoparticles and phospholipids complex for improved delivery of ferulic acid	2021	International Journal of Biological Macromolecules	171		288	307
295	Patil A.M.; Jagtap R.N.	PU-coating performance of bio-based hyperbranched alkyd resin on mild steel and wood substrate	2021	Journal of Coatings Technology and Research	18	3	741	752
296	Phatake V.V.; Bhanage B.M.	Highly efficient one pot synthesis of benzimidazoles from 2-nitroaniline and PhSiH3 as reducing agent catalyzed by Pd/C as a heterogeneous catalyst	2021	Tetrahedron Letters	68			
297	Sahai R.S.N.; Pardeshi R.A.	Comparative study of effect of different coupling agent on mechanical properties and water absorption on wheat straw-reinforced polystyrene composites	2021	Journal of Thermoplastic Composite Materials	34	4	433	450
298	Arulkumar S.; Senthilkumar T.; Parthiban S.; Dharmalingam G.; Goswami A.; Alshehri S.M.; Gawande M.B.	AgNWs-a-TiOx: a scalable wire bar coated core–shell nanocomposite as transparent thin film electrode for flexible electronics applications	2021	Journal of Materials Science: Materials in Electronics	32	5	6454	6464
299	Indurkar A.; Pandit A.; Jain R.; Dandekar P.	Plant-based biomaterials in tissue engineering	2021	Bioprinting	21			
300	Kukreja N.; Ghoderao P.;	Cubic equation of state as a quartic in disguise	2021	Fluid Phase Equilibria	531			

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301	Khadye V.S.; Sawant S.; Shaikh K.; Srivastava R.; Chandrayan S.; Odaneth A.A.	Optimal secretion of thermostable Beta-glucosidase in Bacillus subtilis by signal peptide optimization	2021	Protein Expression and Purification	182			
302	Shah A.; Shah A.A.; Nandakumar K.; Rekunge D.S.; Chaturbhuj G.U.; Kishore A.; Nayak P.G.; Lobo R.	The prophylactic approach of sesamol and 3′,4′-(Methylenedioxy)acetophenone to prevent associated cardiotoxicity of doxorubicin at high dose in prostate cancer rat model	2021	Rasayan Journal of Chemistry	14	3	1938	1946
303	Dhawan M.S.; Yadav G.D.; Calabrese Barton S.	Zinc-electrocatalyzed hydrogenation of furfural in near-neutral electrolytes	2021	Sustainable Energy and Fuels	5	11	2972	2984
304	Pandit A.; Khare L.; Ganatra P.; Jain R.; Dandekar P.	Intriguing role of novel ionic liquids in stochastic degradation of chitosan	2021	Carbohydrate Polymers	260			
305	Prabhu R.V.; Shetty P.; Jagtap R.; Digar M.	Polyethyleneimine as a surface activator for low surface energy substrates bonded with cyanoacrylate adhesives	2021	International Journal of Adhesion and Adhesives	107			
306	Gujar S.K.; Gogate P.R.	Application of hybrid oxidative processes based on cavitation for the treatment of commercial dye industry effluents	2021	Ultrasonics Sonochemistry	75			
307	Khan A.; Beg M.R.; Waghmare P.	Intensification of biokinetics of enzymes using ultrasound-assisted methods: a critical review	2021	Biophysical Reviews	13	3	417	423
308	Paraskar P.M.; Prabhudesai M.S.; Hatkar V.M.; Kulkarni R.D.	Vegetable oil based polyurethane coatings – A sustainable approach: A review	2021	Progress in Organic Coatings	156			
309	Mulay A.; Rathod V.K.	Microwave-assisted heterogeneous esterification of dibutyl maleate: Optimization using response surface methodology	2021	Chemical Data Collections	34			
310	Chogale M.M.; Dhoble S.B.; Patravale V.B.	A triple combination 'nano' dry powder inhaler for tuberculosis: in vitro and in vivo pulmonary characterization	2021	Drug Delivery and Translational Research	11	4	1520	1531
311	Gadipelly C.; Deshmukh G.; Mannepalli L.K.	Transition Metal Exchanged Hydroxyapatite/Fluorapatite Catalysts for C−C and C−N Bond Forming Reactions	2021	Chemical Record	21	6	1398	1416
312	Shaikh F.; Kumar S.	Public attitude toward recycling routes of bioplastics-knowledge on sustainable purchases	2021	Handbook of Bioplastics and Biocomposites Engineering Applications			589	603
313	Kshirsagar V.; Thingore C.; Gursahani M.; Gawali N.; Juvekar A.	Hydrogen Sulfide Ameliorates Lipopolysaccharide-Induced Memory Impairment in Mice by Reducing Apoptosis, Oxidative, and Inflammatory Effects	2021	Neurotoxicity Research	39	4	1310	1322
314	Jagtap N.J.; Dalvi V.H.	Feasibility study of bio-methane economy in India	2021	Biomass and Bioenergy	149			
315	Patankar K.; Singh G.P.; Pawar A.; Maiti S.; More S.P.;	Modification of casein to impart flame retardancy in saccharum munja fibre based nonwoven fabric	2021	Asian Dyer	18	3	43	50

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316	Bhalerao P.P.; Chakraborty S.	Integrated calculation of pasteurization time: A case study for thermal inactivation kinetics of a mixed fruit beverage	2021	Journal of Food Process Engineering	44	8		
317	Sable D.A.; Vadagaonkar K.S.; Kapdi A.R.; Bhanage B.M.	Carbon dioxide based methodologies for the synthesis of fine chemicals	2021	Organic and Biomolecular Chemistry	19	26	5725	5757
318	Ganguli A.A.; Deshpande S.S.; Pandit A.B.	Cfd simulations for performance enhancement of a solar chimney power plant (Scpp) and techno-economic feasibility for a 5 mw scpp in an Indian context	2021	Energies	14	11		
319	Labrath Y.P.; Belge P.V.; Kulkarni U.G.; Gaikar V.G.	Process intensification for enzyme assisted turmeric starch hydrolysis in hydrotropic and supercritical conditions	2021	International Journal of Chemical Reactor Engineering	19	8	851	859
320	Maurya O.; Khaladkar S.; Horn M.R.; Sinha B.; Deshmukh R.; Wang H.; Kim T.; Dubal D.P.; Kalekar A.	Emergence of Ni-Based Chalcogenides (S and Se) for Clean Energy Conversion and Storage	2021	Small	17	33		
321	Pandiyaraj K.N.; Ghobeira R.; Esbah Tabaei P.S.; Cools P.; De Geyter N.; Morent R.; Deshmukh R.R.	Non-thermal plasma jet-assisted development of phosphorus-containing functional coatings on 3D-printed PCL scaffolds intended for bone tissue engineering	2021	Journal of Physics and Chemistry of Solids	154			
322	Reshamwala S.M.S.; Likhite V.; Degani M.S.; Deb S.S.; Noronha S.B.	Mutations in SARS-CoV-2 nsp7 and nsp8 proteins and their predicted impact on replication/transcription complex structure	2021	Journal of Medical Virology	93	7	4616	4619
323	Gadkari Y.U.; Hatvate N.T.; Telvekar V.N.	Solar energy as a renewable energy source for preparative-scale as well as solvent and catalyst-free Hantzsch reaction	2021	Sustainable Chemistry and Pharmacy	21			
324	Adsare S.R.; Annapure U.S.	Microencapsulation of curcumin using coconut milk whey and Gum Arabic	2021	Journal of Food Engineering	298			
325	Vilé G.; Sharma P.; Nachtegaal M.; Tollini F.; Moscatelli D.; Sroka-Bartnicka A.; Tomanec O.; Petr M.; Filip J.; Pieta I.S.; Zbořil R.; Gawande M.B.	An Earth-Abundant Ni-Based Single-Atom Catalyst for Selective Photodegradation of Pollutants	2021	Solar RRL	5	7		
326	Rajput S.; Muley S.; Kulkarni K.S.; Kapdi A.R.; Patwardhan A.V.	Synthesis of versatile diglycolamide grafted dendritic polymer and using it as a ligand for metal partitioning	2021	Journal of the Indian Chemical Society	98	6		
327	Kshatriya R.; Shelke P.; Mali S.; Yashwantrao G.; Pratap A.;	Synthesis and Evaluation of Anticancer Activity of Pyrazolone Appended Triarylmethanes (TRAMs)	2021	ChemistrySelect	6	24	6230	6239

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328	Rojekar S.; Vora L.K.; Tekko I.A.; Volpe-Zanutto F.; McCarthy H.O.; Vavia P.R.; .Donnelly R.F.	Etravirine-loaded dissolving microneedle arrays for long-acting delivery	2021	European Journal of Pharmaceutics and Biopharmaceutics	165		41	51
329	Bhat M.S.; Arya S.S.	Technofunctional, rheological, thermal and structural properties of gorgon nut (Eurayle ferox) as affected by drying temperature	2021	Journal of Food Process Engineering	44	7		
330	Madankar C.S.; Nair A.	Studies on extraction, microencapsulation and potential applications of ginger oleoresin	2021	Journal of Scientific and Industrial Research	80	8	685	691
331	Dev M.J.; Pandit A.B.; Singhal R.S.	Ultrasound assisted vis-à-vis classical heating for the conjugation of whey protein isolate-gellan gum: Process optimization, structural characterization and physico-functional evaluation	2021	Innovative Food Science and Emerging Technologies	72			
332	Ahmed Z.; Telkar P.S.	105.25 Families of curves orthogonal to the lines y = mx - 2m - m3	2021	Mathematical Gazette	105	563	306	309
333	Mapari S.; Mestry S.; Mhaske S.T.	Developments in pressure-sensitive adhesives: a review	2021	Polymer Bulletin	78	7	4075	4108
334	Bhatt M.; Chakinala A.G.; Joshi J.B.; Sharma A.; Pant K.K.; Shah K.; Sharma A.	Valorization of solid waste using advanced thermo-chemical process: A review	2021	Journal of Environmental Chemical Engineering	9	4		
335	Jadhav H.B.; Annapure U.S.; Deshmukh R.R.	Non-thermal Technologies for Food Processing	2021	Frontiers in Nutrition	8			
336	Bagul V.P.; Annapure U.S.	Isolation of fast-growing thraustochytrids and seasonal variation on the fatty acid composition of thraustochytrids from mangrove regions of Navi Mumbai, India	2021	Journal of Environmental Management	290			
337	Rojekar S.V.; Trimukhe A.M.; Deshmukh R.R.; Vavia P.R.	Novel pulsed oxygen plasma mediated surface hydrophılizatıon of ritonavır for the enhancement of wettability and solubility	2021	Journal of Drug Delivery Science and Technology	63			
338	Jachak M.; Khopkar S.; Patel K.; Patil Y.; Shankarling G.	Synthesis of Novel D-π-A chromophores: Effect of structural manipulations on photophysical properties, viscosity and DFT study	2021	Journal of Molecular Structure	1233			
339	Jadhav H.B.; Gogate P.R.; Waghmare J.T.; Annapure U.S.	Ultrasound-assisted intensified synthesis of designer lipids	2021	INFORM	32	7	12	15
340	Gorade V.G.; Chaudhary B.U.;	Polyester fabric with moisture management properties using a	2021	Journal of Polymer Research	28	8		

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	Kale R.D.	sol–gel technique for activewear						
341	Dutta J.; Tiwari S.	Aromatic nucleophilic substitution (snar) reactions of halo-substituted dinitrobenzene in liposome reaction media: Effect of reaction medium and role of halogen leaving group	2021	Journal of Physical Organic Chemistry	34	6		
342	Gokhale T.A.; Raut A.B.; Bhanage B.M.	Comparative account of catalytic activity of Ru- and Ni-based nanocomposites towards reductive amination of biomass derived molecules	2021	Molecular Catalysis	510			
343	Muley A.B.; Awasthi S.; Bhalerao P.P.; Jadhav N.L.; Singhal R.S.	Preparation of cross-linked enzyme aggregates of lipase from Aspergillus niger: process optimization, characterization, stability, and application for epoxidation of lemongrass oil	2021	Bioprocess and Biosystems Engineering	44	7	1383	1404
344	Jadhav H.; Gogate P.; Annapure U.	Intensification of synthesis of triglyceride of Decanoic acid in the presence of amberlyst 15 as catalyst based on the use of ultrasound and microwave irradiations	2021	Chemical Engineering and Processing - Process Intensification	165			
345	Shinde U.K.; Suryawanshi D.G.; Amin P.D.	Development of Gelucire® 48/16 and TPGS Mixed Micelles and Its Pellet Formulation by Extrusion Spheronization Technique for Dissolution Rate Enhancement of Curcumin	2021	AAPS PharmSciTech	22	5		
346	Saptal V.B.; Singh R.; Juneja G.; Singh S.; Chauhan S.M.; Polshettiwar V.; Bhanage B.M.	Nitridated Fibrous Silica/Tetrabutylammonium Iodide (N-DFNS/TBAI): Robust and Efficient Catalytic System for Chemical Fixation of Carbon Dioxide to Cyclic Carbonates	2021	ChemCatChem	13	12	2907	2914
347	Parmar U.; Somvanshi D.; Kori S.; Desai A.A.; Dandela R.; Maity D.K.; Kapdi A.R.	Room-Temperature Amination of Chloroheteroarenes in Water by a Recyclable Copper(II)-Phosphaadamantanium Sulfonate System	2021	Journal of Organic Chemistry	86	13	8900	8925
348	Shinde S.; Sekar N.	Comparative studies of excited state intramolecular proton transfer (ESIPT) and azo-hydrazone tautomerism in naphthalene-based fluorescent acid azo dyes by computational study	2021	Computational Chemistry: Applications and New Technologies			61	82
349	Mawani J.; Jadhav J.; Pratap A.	Fermentative Production of Mannosylerythritol Lipids using Sweetwater as Waste Substrate by Pseudozyma antarctica (MTCC 2706) Fermentative Herstellung von Mannosylerythritollipiden aus Pseudozyma antarctica (MTCC 2706) unter Verwendung von Süßwasser als Abfallsubstrat	2021	Tenside, Surfactants, Detergents	58	4	246	258
350	Gharat P.V.; Bhalekar S.S.; Dalvi V.H.; Panse S.V.; Deshmukh S.P.; Joshi J.B.	Chronological development of innovations in reflector systems of parabolic trough solar collector (PTC) - A review	2021	Renewable and Sustainable Energy Reviews	145			
351	Jadhav A.C.; Jadhav N.C.	Graft copolymerization of methyl methacrylate on	2021	Polymer Bulletin	78	7	3913	3941

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		Abelmoschus manihot fibres and their application in oil absorbency						
352	Bamane P.B.; Jagtap R.N.	Synthesis of the hydrophilic additive by grafting glycidyloxypropyl trimethoxysilane on hydrophilic nanosilica and its modification by using dimethyl propionic acid for self-cleaning coatings	2021	Colloids and Interface Science Communications	43			
353	Mahajan K.; Rojekar S.; Desai D.; Kulkarni S.; Bapat G.; Zinjarde S.; Vavia P.	Layer-by-Layer Assembled Nanostructured Lipid Carriers for CD-44 Receptor–Based Targeting in HIV-Infected Macrophages for Efficient HIV-1 Inhibition	2021	AAPS PharmSciTech	22	5		
354	Ghanavatkar C.W.; Mishra V.R.; Sekar N.	Review of NLOphoric azo dyes – Developments in hyperpolarizabilities in last two decades	2021	Dyes and Pigments	191			
355	Raheman A. R. S.; Mane R.S.; Wilson H.M.; Jha N.	CdSe quantum dot/white graphene hexagonal porous boron nitride sheet (h-PBNs) heterostructure photocatalyst for solar driven H2production	2021	Journal of Materials Chemistry C	9	27	8524	8536
356	Yashwantrao G.; Saha S.	Recent advances in the synthesis and reactivity of quinoxaline	2021	Organic Chemistry Frontiers	8	11	2820	2862
357	Prakash N.J.; Mane P.P.; George S.M.; Kandasubramanian B.	Silk Fibroin As an Immobilization Matrix for Sensing Applications	2021	ACS Biomaterials Science and Engineering	7	6	2015	2042
358	Kamble P.A.; Kantam M.L.; Rathod V.K.	Hydrogenation of Furfural to Furfuryl Alcohol over Nickel Supported Bentonite Catalyst	2021	ChemistrySelect	6	25	6601	6606
359	Nadar S.S.; Kelkar R.K.; Pise P.V.; Patil N.P.; Patil S.P.; Chaubal-Durve N.S.; Bhange V.P.; Tiwari M.S.; Patil P.D.	The untapped potential of magnetic nanoparticles for forensic investigations: A comprehensive review	2021	Talanta	230			
360	Jadhav P.D.; Patwardhan A.V.; Kulkarni R.D.	Kinetic study of in situ epoxidation of mustard oil	2021	Molecular Catalysis	511			
361	Bakshi G.; Ananthanarayan L.	Partial purification, characterization and kinetics of thermal inactivation of pectin methylesterase and polygalacturonase enzymes from Indian lemon (Citrus limon (L.)	2021	Journal of Food Measurement and Characterization	15	3	2705	2715
362	Indurkar A.; Pandit A.; Jain R.; Dandekar P.	Plant based cross-linkers for tissue engineering applications	2021	Journal of Biomaterials Applications	36	1	76	94
363	Sayyed A.J.; Mohite L.V.; Deshmukh N.A.; Pinjari D.V.	Swelling kinetic study with mathematical modeling of cellulose pulp in aqueous N-methyl-morpholine-N-oxide solution	2021	Reaction Kinetics, Mechanisms and Catalysis	133	1	101	115
364	Sancheti S.V.; Yadav G.D.	Highly selective production of styrene by non-oxidative dehydrogenation of ethylbenzene over molybdenum-	2021	Catalysis Communications	154			

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		zirconium mixed oxide catalyst in fixed bed reactor: Activity, stability and kinetics						
365	Das S.; Bhat A.P.; Gogate P.R.	Degradation of dyes using hydrodynamic cavitation: Process overview and cost estimation	2021	Journal of Water Process Engineering	42			
366	Tambe S.; Jain D.; Amin P.	Simultaneous determination of dorzolamide and timolol by first-order derivative UV spectroscopy in simulated biological fluid for in vitro drug release testing	2021	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	255			
367	Suryawanshi D.; Wavhule P.; Shinde U.; Kamble M.; Amin P.	Development, optimization and in-vivo evaluation of cyanocobalamin loaded orodispersible films using hot-melt extrusion technology: A quality by design (QbD) approach	2021	Journal of Drug Delivery Science and Technology	63			
368	Rao A.R.; Suriya V K.; Yeolekar S.M.; Patel N.P.	Synthesis of Styrenic Triblock Copolymer and its Application in Polyester Blends	2021	Macromolecular Symposia	398	1		
369	Gaikwad G.; Rohra N.; Kumar C.; Jadhav S.; Sarma H.D.; Borade L.; Chakraborty S.; Bhagwat S.; Dandekar P.; Jain R.; Chakravarty R.	A facile strategy for synthesis of a broad palette of intrinsically radiolabeled chitosan nanoparticles for potential use in cancer theranostics	2021	Journal of Drug Delivery Science and Technology	63			
370	Pathan F.L.; Deshmukh R.R.; Annapure U.S.	Soaking plasma processed chickpea (Cicer arientinum) cultivars	2021	Legume Science	3	2		
371	Bhalekar S.; Bhagwat A.; Sekar N.	Fluorescent styryl chromophores with rigid (pyrazole) donor and rigid (benzothiophenedioxide) acceptor - complete density functional theory (DFT), TDDFT and nonlinear optical study	2021	Computational Chemistry: Applications and New Technologies			33	59
372	Li Y.; Tiwari S.S.; Evans G.M.; Nandakumar K.; Joshi J.B.	Instabilities of a freely moving spherical particle in a Newtonian fluid: Direct Numerical Simulation	2021	International Journal of Chemical Reactor Engineering	19	7	699	715
373	Salve A.R.; LeBlanc J.G.; Arya S.S.	Effect of processing on polyphenol profile, aflatoxin concentration and allergenicity of peanuts	2021	Journal of Food Science and Technology	58	7	2714	2724
374	Mishra A.A.; Bhanage B.M.	Ru-TsDPEN catalysts and derivatives in asymmetric transfer hydrogenation reactions	2021	Chirality	33	7	337	378
375	Lahiri S.; Mishra A.; Mandal D.; Bhardwaj R.L.; Gogate P.R.	Sonochemical recovery of uranium from nanosilica-based sorbent and its biohybrid	2021	Ultrasonics Sonochemistry	76			
376	Lanjekar K.J.; Rathod V.K.	Application of Ultrasound and Natural Deep Eutectic Solvent for the Extraction of Glycyrrhizic Acid from Glycyrrhiza glabra: Optimization and Kinetic Evaluation	2021	Industrial and Engineering Chemistry Research	60	26	9532	9538
377	Mhatre S.; Naik S.; Patravale	Exploring green and industrially scalable microfluidizer™	2021	Journal of Drug Delivery Science and	64			

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	V.	technology for development of barium sulphate nanosuspension for enhanced contrasting		Technology				
378	Raut V.; Bera B.; Neergat M.; Das D.	Metal-Organic Framework and Carbon Black supported MOFs as dynamic electrocatalyst for oxygen reduction reaction in an alkaline electrolyte	2021	Journal of Chemical Sciences	133	2		
379	Palav A.; Misal B.; Ganwir P.; Badani P.; Chaturbhuj G.	Rapid, chemoselective and mild oxidation protocol for alcohols and ethers with recyclable N-chloro-N-(phenylsulfonyl)benzenesulfonamide	2021	Tetrahedron Letters	73			
380	Bhise R.S.; Patel K.P.; Ghorpade P.V.; Shankarling G.S.	Task-Specific Deep Eutectic Solvent for Selective Oxidation of Aromatic Methyl to Aldehyde	2021	ChemistrySelect	6	24	5893	5898
381	Chaturvedi S.; Khartad A.; Chakraborty S.	The potential of non-dairy synbiotic instant beverage powder: Review on a new generation of healthy ready-to-reconstitute drinks	2021	Food Bioscience	42			
382	Yerudkar A.; Nair M.; Dalvi V.H.; Panse S.V.; Deshpande V.D.; Joshi J.B.	Development of inexpensive, simple and environment-friendly solar selective absorber using copper nanoparticle	2021	International Journal of Chemical Reactor Engineering	19	7	727	737
383	Sutar T.; Bangde P.; Dandekar P.; Adivarekar R.	Fabrication of Herbal Hemostat Films Loaded with Medicinal Tridax Procumbenns Extracts	2021	Fibers and Polymers	22	8	2135	2144
384	Kennedy L.E.; Abraham A.; Kulkarni G.; Shettigar N.; Dave T.; Kulkarni M.	Capsanthin, a Plant-Derived Xanthophyll: a Review of Pharmacology and Delivery Strategies	2021	AAPS PharmSciTech	22	5		
385	Subramanian K.; Yedage S.L.; Sethi K.; Bhanage B.M.	Tetrabutylammonium Iodide (TBAI) Catalyzed Electrochemical C-H Bond Activation of 2-Arylated N -Methoxyamides for the Synthesis of Phenanthridinones	2021	Synlett	32	10	999	1003
386	Ganwir P.; Chaturbhuj G.	Sulfated polyborate: A dual catalyst for the reductive amination of aldehydes and ketones by NaBH4	2021	Tetrahedron Letters	74			
387	Tambe S.; Jain D.; Agarwal Y.; Amin P.	Hot-melt extrusion: Highlighting recent advances in pharmaceutical applications	2021	Journal of Drug Delivery Science and Technology	63			
388	Das S.; Parida S.K.; Mandal T.; Hota S.K.; Roy L.; De Sarkar S.; Murarka S.	An organophotoredox-catalyzed redox-neutral cascade involving: N -(acyloxy)phthalimides and maleimides	2021	Organic Chemistry Frontiers	8	10	2256	2262
389	Subhedar D.D.; Yadav P.A.; Pawar S.R.; Bhanage B.M.	Environmentally Benign Synthesis of 4-Thiazolidinone Derivatives Using a Co/Al Hydrotalcite as Heterogeneous Catalyst	2021	Catalysis Letters	151	6	1776	1787
390	Ghanavatkar C.W.; Mishra	Positional isomers of heterocyclic azo dyes: Investigation of	2021	Journal of the Indian Chemical Society	98	7		

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	V.R.; Ayare N.; Mathew E.; Thomas S.S.; Joe I.H.; Sekar N.	NLO properties by Z-scan and correlative DFT studies						
391	Dave D.; Mestry S.; Mhaske S.T.	Development of flame-retardant waterborne polyurethane dispersions (WPUDs) from sulfonated phosphorus-based reactive water-dispersible agents	2021	Journal of Coatings Technology and Research	18	4	1037	1049
392	Patel P.; Pol A.; Kalaria D.; Date A.A.; Kalia Y.; Patravale V.	Microemulsion-based gel for the transdermal delivery of rasagiline mesylate: In vitro and in vivo assessment for Parkinson's therapy	2021	European Journal of Pharmaceutics and Biopharmaceutics	165		66	74
393	Ghosh S.; Mali S.N.; Bhowmick D.N.; Pratap A.P.	Neem oil as natural pesticide: Pseudo ternary diagram and computational study	2021	Journal of the Indian Chemical Society	98	7		
394	Mirchandani Y.; Patravale V.B.; Brijesh S.	Solid lipid nanoparticles for hydrophilic drugs	2021	Journal of Controlled Release	335		457	464
395	Laddha H.; Pawar P.R.; Prakash G.	Bioconversion of waste acid oil to docosahexaenoic acid by integration of “ex novo’’ and “de novo’’ fermentation in Aurantiochytrium limacinum	2021	Bioresource Technology	332			
396	Priya; Gogate P.R.	Ultrasound-Assisted Intensification of Activity of Free and Immobilized Enzymes: A Review	2021	Industrial and Engineering Chemistry Research	60	27	9650	9668
397	Khose R.V.; Bondarde M.P.; Wadekar P.H.; Some S.	Synthesis of High Concentration Stable Water Dispersion of Exfoliated Activated Graphite for Supercapacitor Application	2021	ChemistrySelect	6	24	5949	5953
398	Mhatre S.; Gurav N.; Shah M.; Patravale V.	Entry-inhibitory role of catechins against SARS-CoV-2 and its UK variant	2021	Computers in Biology and Medicine	135			
399	Kalekar V.N.; Vaidya P.D.	Hydrogen Production by Reforming of Sodium Alginate in the Liquid Phase over Pt/C Catalyst	2021	Industrial and Engineering Chemistry Research	60	27	9755	9763
400	Venkatraman P.D.; Sayed U.; Parte S.; Korgaonkar S.	Development of advanced textile finishes using nano-emulsions from herbal extracts for organic cotton fabrics	2021	Coatings	11	8		
401	Nimbekar A.A.; Bhatia P.G.; Deshmukh R.R.	Ammonia sensors manufactured by plasma enhanced grafting of conducting polymers on nylon-6 fabrics	2021	Synthetic Metals	279			
402	Banerjee A.K.; Prajapati J.; Bhowmick A.R.; Huang Y.; Mukherjee A.	Different factors influence naturalization and invasion processes – A case study of Indian alien flora provides management insights	2021	Journal of Environmental Management	294			
403	Ganguli A.A.; Pandit A.B.	Hydrodynamics of liquid-liquid flows in micro channels and its influence on transport properties: A review	2021	Energies	14	19		
404	Rai K.; Chhanwal N.; Shah N.N.; Singhal R.S.	Encapsulation of ginger oleoresin in co-crystallized sucrose: Development, characterization and storage stability	2021	Food and Function	12	17	7964	7974
405	Shah S.H.; Pai K.R.; Shinde	Analysis of a vapor compression refrigeration system using a	2021	Applied Thermal Engineering	196			

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	S.R.; Thorat B.N.	fog-cooled condenser						
406	Nguyen H.T.; Vu T.-Y.; Vijay Kumar A.; Hoang V.N.H.; My P.T.N.; Mandal P.S.; Tatipamula V.B.	N-Aryl iminochromenes inhibit cyclooxygenase enzymesviaπ-π stacking interactions and present a novel class of anti-inflammatory drugs	2021	RSC Advances	11	47	29385	29393
407	Patil S.; Pandit A.; Gaikwad G.; Dandekar P.; Jain R.	Exploring Microfluidic Platform Technique for Continuous Production of Pharmaceutical Microemulsions	2021	Journal of Pharmaceutical Innovation	16	3	441	453
408	Pakhare A.D.; Dighe A.V.; Mathpati C.S.; Joshi J.B.; Singh M.R.; Ramkrishna D.; Patil R.N.; Kalekudithi E.	Temperature-induced pH changes govern hydrate transformation during cooling crystallization of potassium acid phthalate	2021	Chemical Engineering Research and Design	174		463	470
409	Patankar K.; Singh G.P.; Pawar A.; Maiti S.; Shahid M.; More S.P.; Adivarekar R.V.	Improved flame retardancy of natural fibre nonwovens by using modified keratins	2021	Asian Dyer	18	5	32	36
410	Jahagirdar D.; Bangde P.; Jain R.; Dandekar P.	Degenerative disease-on-a-chip: Developing microfluidic models for rapid availability of newer therapies	2021	Biotechnology Journal	16	10		
411	Bhat M.S.; Arya S.S.	Flow behavior and mechanical properties of water chestnut (Trapa natans) under steady shear as affected by acid and autoclave treatment	2021	Journal of Food Process Engineering	44	11		
412	Ukarde T.M.; Mahale J.S.; Pandey P.H.; Vasishta A.; Harrish A.M.J.C.; Pawar H.S.	Facile Synthesis of Novel Polyethyleneimine Functionalized Polymeric Protic Ionic Liquids (PolyE-ILs) with Protagonist Properties for Acid Catalysis	2021	ChemistrySelect	6	36	9616	9624
413	Sarkar A.; Junnuthula V.; Dyawanapelly S.	Ocular therapeutics and molecular delivery strategies for neovascular age-related macular degeneration (Namd)	2021	International Journal of Molecular Sciences	22	19		
414	Singh M.; Trivedi N.; Enamala M.K.; Kuppam C.; Parikh P.; Nikolova M.P.; Chavali M.	Plant-based meat analogue (PBMA) as a sustainable food: a concise review	2021	European Food Research and Technology	247	10	2499	2526
415	Gajula S.; Reddy C.R.K.	More sustainable biomass production and biorefining to boost the bioeconomy	2021	Biofuels, Bioproducts and Biorefining	15	5	1221	1232
416	Pant V.; Patwardhan C.; Patil K.; Bhowmick A.R.; Mukherjee A.; Banerjee A.K.	ILORA: A database of alien vascular flora of India	2021	Ecological Solutions and Evidence	2	4		
417	Sutar Y.; Fulton S.R.; Paul S.; Altamirano S.; Mhatre S.; Saeed H.; Patel P.; Mallick S.; Bhat R.; Patravale V.B.;	Docusate-Based Ionic Liquids of Anthelmintic Benzimidazoles Show Improved Pharmaceutical Processability, Lipid Solubility, and in Vitro Activity against Cryptococcus neoformans	2021	ACS Infectious Diseases	7	9	2637	2649

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418	Wavhule P.; Devarajan P.V.	Development and Optimization of Microballoons Assisted Floating Tablets of Baclofen	2021	AAPS PharmSciTech	22	8		
419	Jadhav H.B.; Annapure U.	Designer lipids -synthesis and application – A review	2021	Trends in Food Science and Technology	116		884	902
420	Chaudhari S.M.; Gonsalves O.S.; Nemade P.R.	Enhanced photocatalytic degradation of Diclofenac with Agl/CeO2: A comparison with Mn, Cu and Ag-doped CeO2	2021	Materials Research Bulletin	143			
421	Shah H.M.; Jain A.S.; Joshi S.V.; Kharkar P.S.	Crocetin and related oxygen diffusion-enhancing compounds: Review of chemical synthesis, pharmacology, clinical development, and novel therapeutic applications	2021	Drug Development Research	82	7	883	895
422	Padole M.; Gharde S.; Kandasubramanian B.	Three-dimensional printing of molluscan shell inspired architectures via fused deposition modeling	2021	Environmental Science and Pollution Research	28	34	46356	46366
423	Gadkari Y.U.; Hatvate N.T.; Telvekar V.N.	Concentrated solar radiation-assisted one-pot/multicomponent synthesis of pyranopyrazole derivatives under neat condition	2021	Research on Chemical Intermediates	47	10	4245	4255
424	More M.P.; Patil S.; Ghodke S.; Patil P.O.; Jain R.; Dandekar P.; Deshmukh P.K.	Development of cross-linked collagen/pullulan ocular film for sustained delivery of Besifloxacin using novel spin-coating technique	2021	Journal of Materials Research	36	16	3278	3292
425	Choudhary R.; Hiti-Bandaralage J.C.A.; Ahlawat J.; Gaur N.; Diwan B.	Nanobioremediation: An introduction	2021	Nano-Bioremediation: Fundamentals and Applications			263	279
426	Sayed U.; Korgaonkar S.	Synthesis of activated carbon and CMC beads from Corn Husk	2021	Asian Textile Journal	30	11	45	54
427	Shakeelur Raheman A.R.; Mane R.S.; Wilson H.M.; Jha N.	Erratum: CdSe quantum dot/white graphene hexagonal porous boron nitride sheet (h-PBNs) heterostructure photocatalyst for solar driven H2production (J. Mater. Chem. C (2021) DOI: 10.1039/D1TC01556G)	2021	Journal of Materials Chemistry C	9	29	9331	
428	Kolekar Y.A.; Bhanage B.M.	Pd-Catalyzed Oxidative Aminocarbonylation of Arylboronic Acids with Unreactive Tertiary Amines via C-N Bond Activation	2021	Journal of Organic Chemistry	86	20	14028	14035
429	Lokolkar M.S.; Mane P.A.; Dey S.; Bhanage B.M.	Xantphos-coordinated palladium dithiolates: Highly efficient catalyst for decarboxylative Sonogashira reaction into corresponding alkynes	2021	Applied Organometallic Chemistry	35	9		
430	Joshi M.P.; Chaudhari A.; Kharkar P.S.; Joshi S.V.	Chemistry of Iodinated Contrast Media (ICM): A Mini Review	2021	Mini-Reviews in Organic Chemistry	18	7	885	901
431	Mukherjee J.; Bose A.; Pandit A.B.; Das N.	Closed form solutions of convection-diffusion mechanisms in two dimensions for H2 separation from (H2/CO2) mixture at room temperature	2021	Canadian Journal of Chemical Engineering	99	S1	S863	S880

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432	Patil P.D.; Singh A.A.; Yadav G.D.	Biodegradation of organophosphorus insecticide chlorpyrifos into a major fuel additive 2,4-bis(1,1 dimethylethyl) phenol using white-rot fungal strain Trametes hirsuta MTCC-1171	2021	Journal of the Indian Chemical Society	98	9		
433	Jain A.S.; Pawar P.S.; Sarkar A.; Junnuthula V.; Dyawanapelly S.	Bionanofactories for green synthesis of silver nanoparticles: Toward antimicrobial applications	2021	International Journal of Molecular Sciences	22	21		
434	Hande P.E.; Baran Samui A.	Determination of Diphenyl Amine (DPA) Stabilizer in Propellants – A Minireview	2021	Propellants, Explosives, Pyrotechnics	46	11	1638	1644
435	Rojekar S.; Pai R.; Abadi L.F.; Mahajan K.; Prajapati M.K.; Kulkarni S.; Vavia P.	Dual loaded nanostructured lipid carrier of nano-selenium and Etravirine as a potential anti-HIV therapy	2021	International Journal of Pharmaceutics	607			
436	Chaubey N.R.; Kapdi A.R.	HFIP promoted thio(hetero)arylation of imidazoheterocycles under metal- And base-free conditions	2021	Chemical Communications	57	66	8202	8205
437	Gujjarappa R.; Vodnala N.; Kandpal A.; Roy L.; Gupta S.; Malakar C.C.	Csp-Cspbond cleavage and fragment coupling: A transition metal-free "extrusion and recombination" approach towards synthesis of 1,2-diketones	2021	Organic Chemistry Frontiers	8	19	5389	5396
438	Gupta K.; Modi D.; Jain R.; Dandekar P.	A Stable CHO K1 Cell Line for Producing Recombinant Monoclonal Antibody Against TNF-α	2021	Molecular Biotechnology	63	9	828	839
439	Deshmukh S.; Deore A.; Mondal S.	Ultrafast Dynamics in Carbon Dots as Photosensitizers: A Review	2021	ACS Applied Nano Materials	4	8	7587	7606
440	Pandit P.; Teli M.D.; Singha K.; Maiti S.; Maity S.	Extraction and characterization of novel Sterculia foetida fruit shell fibre for composite applications	2021	Cleaner Engineering and Technology	4			
441	Das S.; Pegu K.; Arya S.S.	Functional sourdough millet bread rich in dietary fibre -an optimization study using fuzzy logic analysis	2021	Bioactive Carbohydrates and Dietary Fibre	26			
442	Maji S.; Sahu A.K.	Numerical investigation of mixed convection boundary layer flow for nanofluids under quasilinearization technique	2021	SN Applied Sciences	3	11		
443	Banerjee J.; Samajdar R.; Kummara S.; Panwar A.S.; Mukhopadhyay K.; Saxena A.K.; Bhattacharyya A.R.	Carbon nanotubes interaction with amorphous and semi-crystalline domains of polypropylene in melt-mixed composites: Influence of multiwall carbon nanotubes agglomerate and their modifications	2021	SPE Polymers	2	4	257	275
444	Shaikh K.M.; Odaneth A.A.	Metabolic engineering of Yarrowia lipolytica for the production of isoprene	2021	Biotechnology Progress	37	6		
445	Rana P.; Gaur R.; Kaushik B.; Yadav S.; Yadav P.; Sharma P.; Gawande M.B.; Sharma R.K.	Surface engineered Iridium-based magnetic photocatalyst paving a path towards visible light driven C-H arylation and cyanation reaction	2021	Journal of Catalysis	401		297	308

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446	Daware G.B.; Gogate P.R.	Intensified sonochemical degradation of 2-Picoline in combination with advanced oxidizing agents	2021	Ultrasonics Sonochemistry	77			
447	Mane S.; Chatterjee S.	Trace Level Recognition of Sulfasalazine Electrooxidation Exploiting the Synergism of Carbon Nanotubes and Iron Oxide Nanoparticles	2021	ChemistrySelect	6	32	8452	8461
448	Maiti S.; Maity S.; Pandit P.; Roy Maulik S.; Singha K.	Sustainability analysis for knitting process and products	2021	Advanced Knitting Technology			657	671
449	Rojekar S.; Fotooh Abadi L.; Pai R.; Mahajan K.; Kulkarni S.; Vavia P.R.	Multi-organ targeting of HIV-1 viral reservoirs with etravirine loaded nanostructured lipid carrier: An in-vivo proof of concept	2021	European Journal of Pharmaceutical Sciences	164			
450	Banerjee A.K.; Khuroo A.A.; Dehnen-Schmutz K.; Pant V.; Patwardhan C.; Bhowmick A.R.; Mukherjee A.	An integrated policy framework and plan of action to prevent and control plant invasions in India	2021	Environmental Science and Policy	124		64	72
451	Dhawan M.S.; Barton S.C.; Yadav G.D.	Interesterification of triglycerides with methyl acetate for the co-production biodiesel and triacetin using hydrotalcite as a heterogenous base catalyst	2021	Catalysis Today	375		101	111
452	Mahajan K.; Rojekar S.; Desai D.; Kulkarni S.; Vavia P.	Efavirenz Loaded Nanostructured Lipid Carriers for Efficient and Prolonged Viral Inhibition in HIV-Infected Macrophages	2021	Pharmaceutical Sciences	27	3	418	432
453	Doke R.B.; Bhalerao M.S.; Paraskar P.M.; Patil P.S.; Kulkarni R.D.	Energy-efficient sonochemical extraction of bioactive compound karanjin from Pongamia pinnata leaves	2021	Chemical Papers	75	9	4935	4947
454	Patil S.; Arya S.; Sonawane S.K.; Dabade A.	Recent advances in the technology of chapatti: an Indian traditional unleavened flatbread	2021	Journal of Food Science and Technology	58	9	3270	3279
455	Desai D.S.; Yadav G.D.	Friedel-crafts acylation of furan using chromium-exchanged dodecatungstophosphoric acid: effect of support, mechanism and kinetic modelling	2021	Clean Technologies and Environmental Policy	23	8	2429	2441
456	Khose R.V.; Lokhande K.D.; Bhakare M.A.; Dhumal P.S.; Wadekar P.H.; Some S.	Boron Nitride doped Chitosan Functionalized Graphene for an Efficient Dye Degradation	2021	ChemistrySelect	6	31	7956	7963
457	Pegu K.; Arya S.S.	Comparative assessment of maltodextrin and sugar addition on physical and nutritional attributes of Syzygium cumini L. Leather: an optimization study using mixture design	2021	Journal of Food Measurement and Characterization	15	5	3994	4005
458	Gupta S.S.R.; Lakshmi Kantam M.	Finely dispersed CuO on nitrogen-doped carbon hollow nanospheres for selective oxidation of sp3C-H bonds	2021	New Journal of Chemistry	45	35	16179	16186
459	Kamal H.; Mudgil P.; Bhaskar	Amaranth proteins as potential source of bioactive peptides	2021	Journal of Cereal Science	101			

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	B.; Fisayo A.F.; Gan C.-Y.; Maqsood S.	with enhanced inhibition of enzymatic markers linked with hypertension and diabetes						
460	Bakshi G.; Ananthanarayan L.	Isolation, purification, and characterization of pectin methylesterase inhibitor and polygalacturonase inhibitor protein from Indian lemon (Citrus limon L.)	2021	Phytochemistry	189			
461	Jhajharia V.; Patil R.; Mestry S.; Mhaske S.T.	P- and Si-modified shellac for flame-retardant epoxy-based coatings	2021	Iranian Polymer Journal (English Edition)	30	9	907	916
462	Srinivasan S.; Valsadwala A.S.; Shamshath Begum S.; Samui A.B.	Experimental investigation on the influence of novel catalyst in co-pyrolysis of polymeric waste: Characterization of oil and preparation of char reinforced composites	2021	Journal of Cleaner Production	316			
463	Dwidmuthe P.D.; Dastane G.G.; Mathpati C.S.; Joshi J.B.	Study of blood flow in stenosed artery model using computational fluid dynamics and response surface methodology	2021	Canadian Journal of Chemical Engineering	99	S1	S820	S837
464	Kadam S.R.; Jadhav N.L.; Pandit A.B.; Pejaver M.K.	Degradation kinetics and mechanism of hazardous metribuzin herbicide using advanced oxidation processes (HC & HC+ H2O2)	2021	Chemical Engineering and Processing - Process Intensification	166			
465	Lohi V.; Lanjekar K.; Rathod V.	Synergistic effect of ultrasonication and detergent on protein extraction from soymeal	2021	Journal of Food Processing and Preservation	45	9		
466	Delago A.; Gregor R.; Dubinsky L.; Dandela R.; Hendler A.; Krief P.; Rayo J.; Aharoni A.; Meijler M.M.	A Bacterial Quorum Sensing Molecule Elicits a General Stress Response in Saccharomyces cerevisiae	2021	Frontiers in Microbiology	12			
467	Mule C.M.; Doltade S.B.; Pandit A.B.	A review on pesticide degradation from irrigation water and techno-economic feasibility of treatment technologies	2021	Water Environment Research	93	11	2391	2413
468	Arya S.S.; More P.R.; Terán Hilares R.; Pereira B.; Arantes V.; da Silva S.S.; Santos J.C.	Effect of thermally assisted hydrodynamic cavitation (HC) processing on physical, nutritional, microbial quality, and pectin methyl esterase (PME) inactivation kinetics in orange juice at different time and temperatures	2021	Journal of Food Processing and Preservation	45	10		
469	Bhattad T.; Koradiya A.; Prakash G.	Prebiotic Activity Of Paramylon Isolated From Heterotrophically Grown Euglena Gracilis	2021	Heliyon	7	9		
470	Solanke S.G.; Gaval V.; Pratap A.; Pasarkar M.	Crystallinity and cell viability in plasma-sprayed hydroxyapatite coatings	2021	Jurnal Tribologi	30		61	72
471	Patil P.D.; Patil S.P.; Kelkar R.K.; Patil N.P.; Pise P.V.; Nadar S.S.	Enzyme-assisted supercritical fluid extraction: An integral approach to extract bioactive compounds	2021	Trends in Food Science and Technology	116		357	369
472	Dhekne P.P.; Patwardhan	CFD model for transient flow fields around teabag during tea	2021	Food and Bioproducts Processing	130		79	91

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	A.W.	infusion						
473	Jamadar A.; Singh A.K.; Roy L.; Das A.	Stimuli-responsive luminescent supramolecular assemblies and co-assemblies through orthogonal dipole-dipole interactions and halogen bonding	2021	Journal of Materials Chemistry C	9	35	11893	11904
474	Pant T.; Gaikwad G.; Jain D.; Dandekar P.; Jain R.	Establishment and characterization of lung co-culture spheroids for paclitaxel loaded Eudragit® RL 100 nanoparticle evaluation	2021	Biotechnology Progress	37	6		
475	Dhanumalayan E.; Joshi G.M.; Kaleemulla S.; Teresa Cuberes M.; Deshmukh R.R.	Studies on the Surface and Wetting Properties of Poly(vinylidene fluoride)/Poly(acrylonitrile)/Multiwalled Carbon Nanotube-NH2 Blends as a Function of Air Plasma Treatment	2021	Journal of Materials Engineering and Performance	30	10	7343	7353
476	Jaiswal K.S.; Rathod V.K.	Green synthesis of amyl levulinate using lipase in the solvent free system: Optimization, mechanism and thermodynamics studies	2021	Catalysis Today	375		120	131
477	Chandorkar N.; Tambe S.; Amin P.; Madankar C.	A systematic and comprehensive review on current understanding of the pharmacological actions, molecular mechanisms, and clinical implications of the genus Eucalyptus	2021	Phytomedicine Plus	1	4		
478	Rathod N.B.; Ranveer R.C.; Bhagwat P.K.; Ozogul F.; Benjakul S.; Pillai S.; Annapure U.S.	Cold plasma for the preservation of aquatic food products: An overview	2021	Comprehensive Reviews in Food Science and Food Safety	20	5	4407	4425
479	Sancheti S.V.; Yadav G.D.	Continuous Synthesis and Separation ofp-Bromobenzyl Bromide Using Atom-Efficient Bromination ofp-Bromotoluene without Any Organic Effluent: Potential for Green Industrial Practice	2021	Organic Process Research and Development	25	9	2071	2080
480	Yadav S.; Dixit R.; Sharma S.; Dutta S.; Arora B.; Rana P.; Kaushik B.; Adholeya A.; Gawande M.B.; Sharma R.K.	Unlocking the catalytic potency of a magnetic responsive CoFe2O4/Ni-BTC MOF composite for the sustainable synthesis of tri- And tetra-substituted imidazoles	2021	Materials Chemistry Frontiers	5	19	7343	7355
481	Ahirrao D.J.; Pal A.K.; Singh V.; Jha N.	Nanostructured porous polyaniline (PANI) coated carbon cloth (CC) as electrodes for flexible supercapacitor device	2021	Journal of Materials Science and Technology	88		168	182
482	Desai B.; Barodawala A.; Dalvi V.H.	Efficient power generation along with thermal treatment of aqueous stream using low grade heat	2021	Energy	230			
483	Naikwadi A.T.; Samui A.B.; Mahanwar P.	Experimental investigation of nano/microencapsulated phase change material emulsion based building wall paint for solar thermal energy storage	2021	Journal of Polymer Research	28	11		

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484	Chavda V.P.; Vora L.K.; Pandya A.K.; Patravale V.B.	Intranasal vaccines for SARS-CoV-2: From challenges to potential in COVID-19 management	2021	Drug Discovery Today	26	11	2619	2636
485	Goswami A.D.; Trivedi D.H.; Jadhav N.L.; Pinjari D.V.	Sustainable and green synthesis of carbon nanomaterials: A review	2021	Journal of Environmental Chemical Engineering	9	5		
486	Kunde G.B.; Yadav G.D.	Green strategy for the synthesis of mesoporous, free-standing MAl2O4 (M = Fe, Co, Ni, Cu) spinel films by sol–gel method	2021	Materials Science and Engineering: B	271			
487	Sharma R.K.; Yadav S.; Dutta S.; Kale H.B.; Warkad I.R.; Zboril R.; Varma R.S.; Gawande M.B.	Silver nanomaterials: Synthesis and (electro/photo) catalytic applications	2021	Chemical Society Reviews	50	20	11293	11380
488	Mahendran V.; Gogate P.R.	Degradation of Acid Scarlet 3R dye using oxidation strategies involving photocatalysis based on Fe doped TiO2 photocatalyst, ultrasound and hydrogen peroxide	2021	Separation and Purification Technology	274			
489	Khose R.V.; Bondarde M.P.; Some S.	Novel bio-inspired deep eutectic solvent and graphene functionalized deep eutectic solvent as an efficient flame retardant material for cotton fabric	2021	Cellulose	28	17	11199	11208
490	Rathod N.B.; Kahar S.P.; Ranveer R.C.; Annapure U.S.	Cold plasma an emerging nonthermal technology for milk and milk products: A review	2021	International Journal of Dairy Technology	74	4	615	626
491	Phadke A.V.; Tayade A.A.; Khambete M.P.	Therapeutic potential of ferulic acid and its derivatives in Alzheimer's disease—A systematic review	2021	Chemical Biology and Drug Design	98	5	713	721
492	Khare L.; Jain R.; Dandekar P.	Alternate synthesis of olanexidine base employing phase transfer catalysis	2021	Journal of the Indian Chemical Society	98	10		
493	Mondal U.; Yadav G.D.	Methanol economy and net zero emissions: Critical analysis of catalytic processes, reactors and technologies	2021	Green Chemistry	23	21	8361	8405
494	Mhatre S.; Patravale V.	Drug repurposing of triazoles against mucormycosis using molecular docking: A short communication	2021	Computers in Biology and Medicine	136			
495	Dobhal A.; Srivastav A.; Dandekar P.; Jain R.	Influence of lactide vs glycolide composition of poly (lactic-co-glycolic acid) polymers on encapsulation of hydrophobic molecules: molecular dynamics and formulation studies	2021	Journal of Materials Science: Materials in Medicine	32	10		
496	Deshmukh G.P.; Yadav G.D.	Tuneable transesterification of glycerol with dimethyl carbonate for synthesis of glycerol carbonate and glycidol on MnO2 nanorods and efficacy of different polymorphs	2021	Molecular Catalysis	515			
497	Yashwantrao G.; Saha S.	Sustainable strategies of C–N bond formation via Ullmann coupling employing earth abundant copper catalyst	2021	Tetrahedron	97			
498	Mhatre-Naik A.; Pillai G.; Savvashe P.; Navale M.;	Developing efficient nutrient removal and resource recovery strategy towards synergistic MLW treatment using	2021	Sustainable Energy Technologies and Assessments	47			

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	Palkar J.; Lali A.M.; Pandit R.	macroalgae in a flat panel photobioreactor						
499	Kumar M.; Shukla S.R.; Arputharaj A.; Saxena S.; Patil S.; Patil P.G.; Varghese E.; Amarowicz R.	Biopolishing of Cellulosic Fabrics: A Study on Low-Stress Mechanical Properties, Microstructure, and Dye Uptake	2021	Fibers and Polymers	22	10	2803	2814
500	Gite S.; Kakade P.; Patravale V.	Surface Engineering of Fenofibrate Nanocrystals Using Nano-by-Design Multivariate Integration: A Biopharmaceutical and Pharmacokinetic Perspective	2021	Current Drug Delivery	18	9	1314	1329
501	Biranje P.M.; Prakash J.; Srivastava A.P.; Biswas S.; Patwardhan A.W.; Joshi J.B.; Dasgupta K.	In situ tuning of graphene oxide morphology by electrochemical exfoliation	2021	Journal of Materials Science	56	35	19383	19402
502	Bait S.; Shinde S.; Adivarekar R.; Sekar N.	A study on multifunctional protein fibre with UV protection, moth repellency and antibacterial properties using ESIPT core containing benzimidazole and benzothiazole based functional acid azo dyes	2021	Journal of the Indian Chemical Society	98	12		
503	Gajengi A.L.; Chaurasia S.; Monflier E.; Ponchel A.; Ternel J.; Bhanage B.M.	Ultrasound-assisted synthesis of NiO nanoparticles and their catalytic application for the synthesis of trisubstituted imidazoles under solvent free conditions	2021	Catalysis Communications	161			
504	Chaudhary B.U.; Lingayat S.; Banerjee A.N.; Kale R.D.	Development of multifunctional food packaging films based on waste Garlic peel extract and Chitosan	2021	International Journal of Biological Macromolecules	192		479	490
505	Mhaske S.T.; Patil D.A.; Mestry S.U.	Magneto-Responsive Nanohybrids for Bioimaging	2022	Nanorobotics and Nanodiagnostics in Integrative Biology and Biomedicine			109	138
506	Sidharth A.K.; Parkar J.; Kale R.; Jagtap R.	Technical Textiles	2022	Smart Polymers: Basics and Applications			151	181
507	Palaskar S.S.; Kale R.D.; Deshmukh R.R.	Application of natural yellow (curcumin) dye on silk to impart multifunctional finishing and validation of dyeing process using BBD model	2021	Color Research and Application	46	6	1301	1312
508	Aher K.; Bhagwat S.S.	Synthesis, Surface Active Properties and Antimicrobial Activity of Novel Ester – Amidoamine Linked Double Tailed Cationic Surfactants	2021	Journal of Surface Science and Technology	37	03-Apr	141	157
509	Hussain M.M.; Pratap A.P.; Gaval V.R.	Study of vegetable oil based biolubricants and its hydrodynamic journal bearing application: A review	2021	Tribology in Industry	43	4	511	523
510	Bhoje R.S.; Nemade P.R.	Polymeric Nanogenerators	2022	Polymers in Energy Conversion and Storage			89	108
511	Prajapati M.K.; Pai R.; Vavia P.	Tuning ligand number to enhance selectivity of paclitaxel liposomes towards ovarian cancer	2021	Journal of Drug Delivery Science and Technology	66			

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512	Patil A.B.; Mengane S.K.; M. Bhanage B.	Green Nanoparticles: Synthesis and Catalytic Applications	2022	Handbook of Smart Materials, Technologies, and Devices: Applications of Industry 4.0: Volume 1-3	3		2139	2169
513	Hubesch R.; Malik U.; Selvakannan P.R.; Mannepalli L.K.; Bhargava S.K.	Surface Modification of Additively Manufactured Materials: Adding Functionality as Fourth Dimension	2022	Additive Manufacturing for Chemical Sciences and Engineering			137	168
514	Das S.; Nadar S.S.; Rathod V.K.	Integrated strategies for enzyme assisted extraction of bioactive molecules: A review	2021	International Journal of Biological Macromolecules	191		899	917
515	Joshi J.B.; Kumar M.	Multiphase Flows: Flow Regimes, Lower Order Models, and Correlations	2022	Multiphase Flows for Process Industries: Fundamentals and Applications: Volume 1			25	94
516	Kapale S.S.; Chaudhari H.K.	Niclosamide & challenges in chemical modifications: A broad review on enhancement of solubility	2021	Journal of the Indian Chemical Society	98	12		
517	Singh B.; Gawande M.B.; Kute A.D.; Varma R.S.; Fornasiero P.; McNeice P.; Jagadeesh R.V.; Beller M.; Zbořil R.	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications	2021	Chemical Reviews	121	21	13620	13697
518	Giri L.; Rout S.R.; Gowtham K.; Abourehab M.A.S.; Kesharwani P.; Dandela R.	Biomimetic carbon nanotubes for neurological disease therapeutic	2022	Emerging Applications of Carbon Nanotubes in Drug and Gene Delivery			229	253
519	Jadhav P.P.; Kahar N.M.; Dawande S.G.	Ruthenium(II)-Catalyzed Highly Chemo- And Regioselective Oxidative C6 Alkenylation of Indole-7-carboxamides	2021	Organic Letters	23	22	8673	8677
520	Pathan F.L.; Deshmukh R.R.; Annapure U.S.	Potential of cold plasma to control Callosobruchus chinensis (Chrysomelidae: Bruchinae) in chickpea cultivars during four year storage	2021	Scientific Reports	11	1		
521	Cui E.; Li H.; Zhang C.; Qiao D.; Gawande M.B.; Tung C.-H.; Wang Y.	An advanced plasmonic photocatalyst containing silver(0) single atoms for selective borylation of aryl iodides	2021	Applied Catalysis B: Environmental	299			
522	Kodavatiganti S.; Bhat A.P.; Gogate P.R.	Intensified degradation of Acid Violet 7 dye using ultrasound combined with hydrogen peroxide, Fenton, and persulfate	2021	Separation and Purification Technology	279			
523	Nikam P.C.; Rao A.R.; Shertukde V.V.	Enhancement of thermo-mechanical and chemical resistance properties of polyurethane composite reinforced with hydrophobic nano-silica and scrape PET derived bis (2-hydroxyethyl terephthalate)	2021	Materials Today Communications	29			
524	Agarkoti C.; Thanekar P.D.; Gogate P.R.	Cavitation based treatment of industrial wastewater: A critical review focusing on mechanisms, design aspects, operating conditions and application to real effluents	2021	Journal of Environmental Management	300			

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525	Chakraborty M.S.; Lali A.M.	Separation and catalytic depolymerization of empty palm fruit bunch lignin	2021	Industrial Crops and Products	174			
526	Salvi H.M.; Yadav G.D.	Organic-inorganic epoxide hydrolase hybrid nanoflowers with enhanced catalytic activity: Hydrolysis of styrene oxide to 1-phenyl-1,2-ethanediol	2021	Journal of Biotechnology	341		113	120
527	Kumar S.; Sinhmar P.S.; Gogate P.R.	Ultrasound assisted improved synthesis of TiO2 catalyst and subsequent evaluation for isomerization of alpha pinene	2021	Chemical Engineering and Processing - Process Intensification	169			
528	Sonar M.P.; Nikam D.K.D.; Rathod V.K.	Intensification of imperatorin extraction from Aegle marmelos by ultrasound assisted three phase partitioning: Comparative studies and exploring its ethnomedicinal uses	2021	Chemical Engineering and Processing - Process Intensification	169			
529	Patil A.; Dyawanapelly S.; Dandekar P.; Jain R.	Fabrication and Characterization of Non-spherical Polymeric Particles	2021	Journal of Pharmaceutical Innovation	16	4	747	758
530	Samui A.B.; Srivastava A.	Polymeric Materials as a Holographic Recording Medium	2022	Smart Polymers: Basics and Applications			183	200
531	Patankar K.C.; Maiti S.; Singh G.P.; Shahid M.; More S.; Adivarekar R.V.	Chemically modified wool waste keratin for flame retardant cotton finishing	2021	Cleaner Engineering and Technology	5			
532	Pukale S.; Pandya A.; Patravale V.	Synthesis, characterization and topical application of novel bifunctional peptide metallodendrimer	2021	Journal of Drug Delivery Science and Technology	66			
533	Gorade V.G.; Chaudhary B.U.; Kale R.D.	Moisture management of polypropylene non-woven fabric using microcrystalline cellulose through surface modification	2021	Applied Surface Science Advances	6			
534	Annapure U.S.; Nair P.	Role of gut microbiome in obesity	2022	Human-Gut Microbiome: Establishment and Interactions			95	106
535	Annapure U.S.; Rout S.; Srivastav P.P.	Applications of Enzymes in Food Industries as Additives	2022	Microorganisms for Sustainability	38		13	26
536	Dixit A.; Wazarkar K.; Sabnis A.S.	Antimicrobial uv curable wood coatings based on citric acid	2021	Pigment and Resin Technology	50	6	533	544
537	Sundararajan S.; Samui A.B.	Organic Phase Change Materials: Synthesis, Processing, and Applications	2022	Smart Polymers: Basics and Applications			67	94
538	Gaur N.; Diwan B.; Choudhary R.	Bioremediation of organic pesticides using nanomaterials	2021	Nano-Bioremediation: Fundamentals and Applications			517	540
539	Maity D.; Sahoo S.R.; Tiwari A.; Ajith S.; Saha S.	Theranostic Nanoparticles in Cancer Diagnosis and Treatment	2022	Nanomaterials for Cancer Detection Using Imaging Techniques and Their Clinical Applications			179	223
540	Chaturvedi D.; Mukherjee S.; Sawant P.; Jain P.D.; Majumder A.	Skin-on-Chip	2022	Microfluidics and Multi Organs on Chip			495	555

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541	Kumbhar P.S.; Pandya A.K.; Manjappa A.S.; Disouza J.I.; Patravale V.B.	Carbohydrates-based diagnosis, prophylaxis and treatment of infectious diseases: Special emphasis on COVID-19	2021	Carbohydrate Polymer Technologies and Applications	2			
542	Chatterjee S.	Carbon nanotubes as nanovectors for targeted delivery of platinum based anticancer drugs	2022	Emerging Applications of Carbon Nanotubes in Drug and Gene Delivery			205	227
543	Bhardwaj N.; Kumar B.; Agrawal K.; Verma P.	Current perspective on production and applications of microbial cellulases: a review	2021	Bioresources and Bioprocessing	8	1		
544	Sathyanarayana S.R.; Warke V.G.; Mahajan G.B.; Annapure U.S.	Comparative studies of microbial and heavy metal safety assessment of the herbs cultivated in hydroponically and regular soil system	2021	Journal of Food Safety	41	6		
545	Kamble M.; Kulsange B.; Salame P.H.	Bio-based Materials in Bioelectronics	2022	Biobased Materials: Recent Developments and Industrial Applications			55	119
546	Annapure U.S.; Jadhav H.B.	Prebiotic and Synbiotic Foods	2022	Microorganisms for Sustainability	38		75	112
547	Patil S.; Gupta K.; Pandit A.; Desai B.; Gschliesser S.; Dandekar P.; Jain R.	Oral Delivery of Peptide Formulations and Their Cellular Evaluation	2021	International Journal of Peptide Research and Therapeutics	27	4	2831	2844
548	Telange D.R.; Ukey S.A.; Hemke A.T.; Umekar M.J.; Pethe A.M.; Kharkar P.S.	LIPOID SPC-3-Based Coprecipitates for the Enhancement of Aqueous Solubility and Permeability of Ranolazine	2021	Journal of Pharmaceutical Innovation	16	4	643	658
549	Desai P.D.; Jagtap R.N.	Synthesis and Characterization of Fiber-Reinforced Resorcinol Epoxy Acrylate Applied to Stereolithography 3D Printing	2021	ACS Omega	6	46	31122	31131
550	Sharma A.; Ray A.; Singhal R.S.	A biorefinery approach towards valorization of spent coffee ground: Extraction of the oil by supercritical carbon dioxide and utilizing the defatted spent in formulating functional cookies	2021	Future Foods	4			
551	Savitha S.; Bhatkar N.; Chakraborty S.; Thorat B.N.	Onion quercetin: As immune boosters, extraction, and effect of dehydration: Onions as immune boosters	2021	Food Bioscience	44			
552	Samui A.B.	Introduction to Smart Polymers	2022	Smart Polymers: Basics and Applications			1	13
553	Sadgar A.L.; Deore T.S.; Hase D.V.; Jayaram R.V.	Graphene Oxide Pickering Emulsion – A Novel Reaction Medium for the Synthesis of 2-Aminothiazole	2021	ChemistrySelect	6	44	12446	12454
554	Naikwadi A.T.; Samui A.B.; Mahanwar P.A.	Fabrication and experimental investigation of microencapsulated eutectic phase change material-integrated polyurethane sandwich tin panel composite for thermal energy storage in buildings	2021	International Journal of Energy Research	45	15	20783	20794
555	Pandit A.; Indurkar A.; Deshpande C.; Jain R.;	A systematic review of physical techniques for chitosan degradation	2021	Carbohydrate Polymer Technologies and Applications	2			

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556	Trimukhe A.; Rojekar S.; Vavia P.R.; Deshmukh R.R.	Pulsed plasma surface modified omeprazole microparticles for delayed release application	2021	Journal of Drug Delivery Science and Technology	66			
557	Samui A.B.	Self-Healing Polymers	2022	Smart Polymers: Basics and Applications			115	142
558	Kharkar P.S.; Jadhav A.L.	Application of PROTAC Technology in Drug Development	2022	Targeted Drug Delivery			247	270
559	Ganatra P.; Saiswani K.; Nair N.; Gunjal A.; Jain R.; Dandekar P.	Formulation of Peptides for Targeted Delivery	2022	Targeted Drug Delivery			299	326
560	Debnath S.; Maiti S.; Adivarekar R.V.	General testing of wool composites	2022	Wool Fiber Reinforced Polymer Composites			179	196
561	Annapure U.S.; Bagul A.	Relationship between gut microbiome and diabetes	2022	Human-Gut Microbiome: Establishment and Interactions			107	125
562	Samui A.B.	Shape Memory Polymers	2022	Smart Polymers: Basics and Applications			201	223
563	Patil Y.A.; Mehta V.R.; Boraste D.R.; Shankarling G.S.	Facile preparation of Cucurbit[6]uril modified melamine sponge for efficient oil spill cleanup	2021	Journal of Environmental Chemical Engineering	9	6		
564	Samui A.B.	Photoresponsive Polymers	2022	Smart Polymers: Basics and Applications			15	40
565	Mhatre A.; Bhagwat A.; Bangde P.; Jain R.; Dandekar P.	Chitosan/gelatin/PVA membranes for mammalian cell culture	2021	Carbohydrate Polymer Technologies and Applications	2			
566	Chakinala N.; Gogate P.R.; Chakinala A.G.	Highly efficient bi-metallic bismuth-silver doped TiO2 photocatalyst for dye degradation	2021	Korean Journal of Chemical Engineering	38	12	2468	2478
567	Mestry S.U.; Khuntia S.P.; Mhaske S.T.	Correction to: Development of waterborne polyurethane dispersions (WPUDs) from novel cardanol-based reactive dispersing agent (Polymer Bulletin, (2021), 78, 12, (6819-6834), 10.1007/s00289-020-03450-7)	2021	Polymer Bulletin	78	12	6835	
568	Pandya A.; Pulakkat S.; Patravale V.	Exosomes for Drug Delivery Applications in Cancer and Cardiac Indications	2022	Targeted Drug Delivery			193	220
569	Sabnis S.S.; Banakar V.V.; Gogate P.R.; Raha A.; Saurabh; Adak A.K.	Intensification of Sonocrystallization of CaSO4in Continuous Operation Using a Tube Sonicator	2021	Industrial and Engineering Chemistry Research	60	44	16089	16099
570	Chaudhari S.M.; Meshram R.B.	A Comparative Life Cycle Assessment (LCA) of Gasoline Blending with Different Oxygenates in India	2021	Nature Environment and Pollution Technology	20	5	1947	1958
571	Dedhia N.J.; Marathe S.J.; Singhal R.S.	Amine Modification	2022	Physicochemical and Enzymatic Modification of Gums: Synthesis, Characterization and Application			111	133
572	Sayyed A.J.; Pinjari D.V.;	Cellulose-based nanomaterials for water and wastewater	2021	Journal of Environmental Chemical	9	6		

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573	Jadhav H.B.; Annapure U.	Consequences of non-thermal cold plasma treatment on meat and dairy lipids – A review	2021	Future Foods	4			
574	Mahendran V.; Gogate P.R.	Ultrasound-assisted synthesis of Fe-doped TiO2 catalyst for photocatalytic oxidation application	2021	International Journal of Environmental Research	15	6	1071	1084
575	Sutar T.; Bangde P.; Dandekar P.; Adivarekar R.	Herbal hemostatic biopolymeric dressings of alginate/pectin coated with Croton oblongifolius extract	2021	Carbohydrate Polymer Technologies and Applications	2			
576	Sarkar C.; Basu J.K.; Samanta A.N.	Synthesis of novel ZnO/Geopolymer nanocomposite photocatalyst for degradation of congo red dye under visible light	2021	Environmental Nanotechnology, Monitoring and Management	16			
577	Upadhyay U.; Kumaran A.; Yadav S.; Majumder A.; Dandekar P.	Microfluidic Retina-on-Chip	2022	Microfluidics and Multi Organs on Chip			381	405
578	Sawant S.V.; Yadav M.D.; Banerjee S.; Patwardhan A.W.; Joshi J.B.; Dasgupta K.	Hydrogen storage in boron-doped carbon nanotubes: Effect of dopant concentration	2021	International Journal of Hydrogen Energy	46	79	39297	39314
579	López-Vergès S.; Urbani B.; Fernández Rivas D.; Kaur-Ghumaan S.; Coussens A.K.; Moronta-Barrios F.; Bhattarai S.; Niamir L.; Siciliano V.; Molnar A.; Weltman A.; Dhimal M.; Arya S.S.; Cloete K.J.; Awan A.T.; Kohler S.; Sharma C.S.; Rios Rojas C.; Shimpuku Y.; Ganle J.; Matin M.M.; Nzweundji J.G.; Badre A.; Carmona-Mora P.		2021	Humanities and Social Sciences Communications	8	1		
580	Babu R.; Raj S.; Dey B.; Bhattacharyya B.	Modified branch-and-bound algorithm for unravelling optimal PMU placement problem for power grid observability: A comparative analysis	2021	CAAI Transactions on Intelligence Technology	6	4	450	470
581	Patil S.; Pandit A.; Godbole A.; Dandekar P.; Jain R.	Chitosan based co-processed excipient for improved tableting	2021	Carbohydrate Polymer Technologies and Applications	2			
582	Kamble V.; Mahanwar P.	Drug Delivery and Biotechnological Applications of Polymers	2022	Smart Polymers: Basics and Applications			143	150
583	Bhunia S.; Ghorai N.; Burai S.;	Unraveling the Carrier Dynamics and Photocatalytic Pathway	2021	Journal of Physical Chemistry C	125	49	27252	27259

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584	Kausley S.B.; Dastane G.G.; Patil R.A.; Jadhav A.J.; Desai K.S.; Pandit A.B.	Applications of Ultrasound in Separation Processes	2022	Sustainable Separation Engineering: Materials, Techniques and Process Development			155	197
585	Mestry S.U.; Khuntia S.P.; Mhaske S.T.	Development of waterborne polyurethane dispersions (WPUDs) from novel cardanol-based reactive dispersing agent	2021	Polymer Bulletin	78	12	6819	6834
586	Bhatt M.; Wagh S.; Chakinala A.G.; Pant K.K.; Sharma T.; Joshi J.B.; Shah K.; Sharma A.	Conversion of refuse derived fuel from municipal solid waste into valuable chemicals using advanced thermo-chemical process	2021	Journal of Cleaner Production	329			
587	Hande P.E.; Samui A.B.	Molecularly Imprinted and Ion Imprinted Polymers for Selective Recognition and Sensing of Organics and Ions	2022	Smart Polymers: Basics and Applications			245	261
588	Saito J.; Agrawal A.; Patravale V.; Pandya A.; Orubu S.; Salunke S.; Zhao M.; Petit-Turcotte C.; Landry H.; Mao H.; Croker A.	EXCIPIENTS FOR PAEDIATRIC POPULATION–SHARED ISSUES NEED UNIFIED SOLUTION	2021	Pharma Times	53	12	38	42
589	Pant T.; Murarka V.; Jain R.; Dandekar P.	Chitosan based microcarriers for cellular growth and biologics production	2021	Carbohydrate Polymer Technologies and Applications	2			
590	Chaudhari B.B.; Annapure U.S.	Rheological, Physicochemical, and Spectroscopic characterizations of Limonia acidissima L. gum exudate with an application in extrusion processing	2021	Carbohydrate Polymer Technologies and Applications	2			
591	Samui A.B.	Smart Polymers: Basics and Applications	2022	Smart Polymers: Basics and Applications			1	310
592	Shirsath S.R.; Sable S.S.; Gaikwad S.G.; Gogate P.R.	Ultrasound assisted curcumin recovery from Curcuma aromatica: Understanding the effect of different operating parameters	2021	Chemical Engineering and Processing - Process Intensification	169			
593	Sarode D.D.	Use of industrial waste for value-added products	2022	Advanced Materials from Recycled Waste			179	198
594	Gaikwad S.B.; More P.R.; Sonawane S.K.; Arya S.S.	Antioxidant and Anti-hypertensive Bioactive Peptides from Indian Mackerel Fish Waste	2021	International Journal of Peptide Research and Therapeutics	27	4	2671	2684
595	Kharkar P.S.; Jadhav A.L.	Gene-Directed Enzyme–Prodrug Therapy (GDEPT) as a Suicide Gene Therapy Modality for Cancer Treatment	2022	Targeted Drug Delivery			155	168
596	López-Vergès S.; Urbani B.; Fernández Rivas D.; Kaur-Ghumaan S.; Coussens A.K.; Moronta-Barrios F.; Bhattarai S.; Niamir L.; Siciliano V.;	Mitigating losses: how scientific organisations can help address the impact of the COVID-19 pandemic on early-career researchers	2021	Humanities and Social Sciences Communications	8	1		

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597	Giri L.; Kenguva G.; Rout S.R.; Abourehab M.A.S.; Kesharwani P.; Dandela R.	Dispersions of carbon nanotubes and its biomedical and diagnostic applications	2022	Emerging Applications of Carbon Nanotubes in Drug and Gene Delivery			295	319
598	Bandawane D.D.; Juvekar A.R.	STUDY OF ANTIHYPERGLYCEMIC, ANTIHYPERLIPIDEMIC AND ANTIOXIDANT ACTIVITIES OF WITHANIA COAGULANS FRUITS IN STREPTOZOTOCIN INDUCED NON-INSULIN DEPENDENT DIABETES MELLITUS IN RATS	2021	Indian Drugs	58	12	63	71
599	Waikar J.; More P.	Low temperature oxidation of CO using alkali- and alkaline-earth metal-modified ceria-supported metal catalysts: a review	2021	Bulletin of Materials Science	44	4		
600	Jadhav H.; Annapure U.	Greener route for intensified synthesis of Tricaprylin using Amberlyst-15	2021	Journal of Chemical Sciences	133	1		
601	Garmode R.K.; Gaval V.R.; Solanke S.G.; Nikhade S.D.	Mechanical Properties Evaluation for Cotton/Glass/Epoxy Hybrid Composite	2022	ASM Science Journal	17			
602	Masram L.B.; Salim S.S.; Gadkari Y.U.; Bhadke P.B.; Telvekar V.N.	β-cyclodextrin: Green catalyst for the efficient and expeditious synthesis of benzodiazepines under aqueous conditions	2022	Synthetic Communications	52	21	2057	2066
603	Madankar C.S.; Meshram A.	Review on classification, physicochemical properties and applications of microbial surfactants	2022	Tenside, Surfactants, Detergents	59	1	1	16
604	Samui A.B.; Hande P.E.; Mondal M.I.H.	Care, maintenance and disposability of medical and protective textile products	2022	Protective Textiles from Natural Resources			793	837
605	Yadav G.D.	Foreword	2022	Aqueous Mediated Heterogeneous Catalysis			vii	viii
606	Ganwir P.; Jaydeokar S.; Chaturbhuj G.U.	Phthaloylation of amines, hydrazines, and hydrazides by N-substituted phthalimides using recyclable sulfated polyborate	2022	Results in Chemistry	4			
607	Mhaske S.T.; Mestry S.U.; Borse P.Y.	Lignin and its derivatives: Potential feedstock for renewable flame-retardant polymers	2022	Bio-based Flame-Retardant Technology for Polymeric Materials			133	159
608	Vasishta A.; Pawar H.S.	PolyE-IL Is an Efficient and Recyclable Homogeneous Catalyst for the Synthesis of 5-Hydroxymethyl Furfural in a Green	2022	ACS Omega				

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		Solvent						
609	Sawant V.; Pawar H.S.	Abundance of ammonia-oxidizing bacteria and archaea in industrial wastewater treatment systems	2022	Development in Wastewater Treatment Research and Processes: Microbial Ecology, Diversity and Functions of Ammonia Oxidizing Bacteria			17	40
610	Patil H.; Shanmugam V.; Marathe K.	Fenton Assisted Ultrafiltration for Removal of COD of Reactive Black 5 Dye from Synthetic Wastewater	2022	Environmental Science and Engineering			585	602
611	Joshi A.; Bhojwani H.; Wagal O.; Begwani K.; Joshi U.; Sathaye S.; Kanchan D.	Evaluation of Benzamide-Chalcone Derivatives as EGFR/CDK2 Inhibitor: Synthesis, In-Vitro Inhibition, and Molecular Modeling Studies	2022	Anti-Cancer Agents in Medicinal Chemistry	22	2	328	343
612	Siddiqui Z.A.; Waghchoure A.P.; More S.P.; Sekar N.; Bhosale R.S.	Self-assembled functional materials of aggregation-induced emission active molecules	2022	Design, Principle and Application of Self-Assembled Nanobiomaterials in Biology and Medicine			105	121
613	Khaimani J.; Bhatia A.P.S.; Jeurkar A.; Rao D.; Chirmule N.; Misra P.; Kadam R.; Karuppieh S.; Seshadrinathan S.; Sheth S.	Digital health initiatives can take better cognizance of marginalized communities in India	2022	Journal of Global Health	12			
614	Vigneshwaran G.; More P.R.; Arya S.S.	Non-thermal hydrodynamic cavitation processing of tomato juice for physicochemical, bioactive, and enzyme stability: Effect of process conditions, kinetics, and shelf-life extension	2022	Current Research in Food Science	5		313	324
615	Jadhav H.B.; Waghmare J.; Annapure U.	Study on oxidative stability of deep fat fried food in Canola oil blended with medium chain triglyceride	2022	Indian Journal of Chemical Technology	29	1	95	98
616	Sharma P.; Gawande M.B.	Surface-modified nanomaterial-based catalytic materials for modern industry applications	2022	Surface Modified Nanomaterials for Applications in Catalysis: Fundamentals, Methods and Applications			267	288
617	Singh P.M.; Maity D.; Saha S.; Dhal N.K.	Seaweed utilization and its economy in Indian agriculture	2022	Materials Today: Proceedings	65		63	69
618	Dandegaonkar G.; Ahmed A.; Sun L.; Adak B.; Mukhopadhyay S.	Cellulose based flexible and wearable sensors for health monitoring	2022	Materials Advances				
619	Saxena S.; Saini S.; Sasmal S.	General Public Awareness Survey Drive on Impact of Indian Culinary Practices on Nutritional Profile of Food: Special Emphasis on Millet Awareness	2022	Journal of Culinary Science and Technology				
620	Harrish A.M.J.C.; Pawar H.S.	Role of Biochar in the Removal of Organic and Inorganic Contaminants from Wastewater	2022	Biochar and its Application in Bioremediation			107	134

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621	Badgujar K.C.; Bhanage B.M.; Badgujar V.C.	Recent advances of lipase-catalyzed greener production of biodiesel in organic reaction media: economic and sustainable viewpoint	2022	Biofuels and Bioenergy: A Techno-Economic Approach			453	482
622	Pradhan S.; Jha N.	2D Nanomaterials for Energy Applications	2022	Emerging Two Dimensional Materials and Applications			167	194
623	Pandit P.; Singha K.; Maiti S.; Maity S.; Shanmugasundaram O.L.	Biotechnological and nano-biotechnological approaches in finishing of textile materials	2022	Applications of Biotechnology for Sustainable Textile Production			173	186
624	Mishra S.; Prabhakar B.; Kharkar P.S.; Pethe A.M.	Banana Peel Waste: An Emerging Cellulosic Material to Extract Nanocrystalline Cellulose	2022	ACS Omega				
625	Agrawal A.A.; Raval A.J.; Velhal S.M.; Patel V.V.; Patravale V.B.	Nanoparticle-eluting stents for coronary intervention: formulation, characterization, and in vitro evaluation	2022	Canadian Journal of Physiology and Pharmacology	100	3	220	233
626	Gohil M.; Joshi G.	Perspective of polycarbonate composites and blends properties, applications, and future development: A review	2022	Green Sustainable Process for Chemical and Environmental Engineering and Science: Green Composites: Preparation, Properties and Allied Applications			393	424
627	Sruthy G.N.; Sandhya K.R.; Kumkum C.R.; Mythri R.; Sharma M.	Thermal processing technologies for food	2022	Current Developments in Biotechnology and Bioengineering: Advances in Food Engineering			263	300
628	Yadav G.D.	Foreword	2022	Magnetic Nanocatalysis: Industrial Applications			vii	viii
629	Sahoo P.K.; Malhotra N.; Kokane S.S.; Srivastava B.; Tiwari H.N.; Sawant S.	Utilizing Predictive Analysis to Aid Emergency Medical Services	2022	Studies in Computational Intelligence	1013		235	245
630	Shah N.; Marathe S.J.; Croce D.; Ciardi M.; Longo V.; Juilus A.; Shamekh S.	An investigation of the antioxidant potential and bioaccumulated minerals in Tuber borchii and Tuber maculatum mycelia obtained by submerged fermentation	2022	Archives of Microbiology	204	1		
631	Gadkari Y.U.; Shanbhag R.D.; Telvekar V.N.	An Efficient One-Pot, Multicomponent Synthesis of 1, 3-Thiazolidin-4-Ones Using L-Proline as Catalyst in Water	2022	Letters in Organic Chemistry	19	1	9	13
632	Sanjanwala D.; Londhe V.; Trivedi R.; Bonde S.; Sawarkar S.; Kale V.; Patravale V.	Polysaccharide-based hydrogels for drug delivery and wound management: a review	2022	Expert Opinion on Drug Delivery	19	12	1664	1695
633	Annapure U.S.; Gracy T.K.R.	Plasma Modification	2022	Physicochemical and Enzymatic Modification of Gums: Synthesis, Characterization and Application			193	211

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634	Mondal U.; Yadav G.D.	Direct synthesis of dimethyl ether from CO2 hydrogenation over a highly active, selective and stable catalyst containing Cu-ZnO-Al2O3/Al-Zr(1 : 1)-SBA-15	2022	Reaction Chemistry and Engineering				
635	Dastane G.G.; Sutkar V.S.; Mahulkar A.V.; Pandit A.B.	Future trends and promising applications of industrial sonochemical processes	2022	Energy Aspects of Acoustic Cavitation and Sonochemistry: Fundamentals and Engineering			329	349
636	Chavda V.P.; Pandya A.; Kypreos E.; Patravale V.; Apostolopoulos V.	Chlamydia trachomatis: quest for an eye-opening vaccine breakthrough	2022	Expert Review of Vaccines	21	6	771	781
637	Ganwir P.; Bandivadekar P.; Chaturbhuj G.	Sulfated polyborate as Bronsted acid catalyst for Knoevenagel condensation	2022	Results in Chemistry	4			
638	Gangopadhyay S.; Mahanwar P.A.	Experimentally investigating hybrid polyurethane silica nanocomposites for DTM coating applications	2022	Surface Engineering	38	3	234	243
639	Dawre S.; Devarajan P.V.; Samad A.	Enhanced Antibacterial Activity of Doxycycline and Rifampicin Combination Loaded in Nanoparticles against Intracellular Brucella abortus	2022	Current Drug Delivery	19	1	104	116
640	Sivagiri S.D.; Mali S.N.; Pratap A.P.	Improved synthesis of sophorolipid biosurfactants using industrial by-products and their practical application	2022	Tenside, Surfactants, Detergents	59	1	17	30
641	Raghavan V.; Martynenko A.; Shirkole S.S.	Role of drying in food quality, security, and sustainability	2022	Drying Technology	40	8	1499	
642	Devarajan A.; Gupta D.; Mitra K.; Deb S.S.; Reshamwala S.M.S.	Computational tools for design of synthetic genetic circuits	2022	New Frontiers and Applications of Synthetic Biology			159	169
643	Samui A.B.; Pawar S.S.	Smart Paints	2022	Smart Polymers: Basics and Applications			41	65
644	Pradhan S.; Malani R.S.	Assessment of farm-level biodiesel unit—a potential alternative for sustainable future	2022	Handbook of Biofuels			377	396
645	Maliwal D.; Pissurlenkar R.R.S.; Telvekar V.	Identification of novel potential anti-diabetic candidates targeting human pancreatic a-amylase and human a-glycosidase: an exhaustive structure-based screening	2022	Canadian Journal of Chemistry	100	5	338	352
646	Pratap A.P.; Virulkar A.P.; Gaval V.R.; Hussain M.M.; Solanke S.G.	Tribological Study of Functional Fluids Based on Castor Oil	2022	ASM Science Journal	17			
647	Dhawale P.V.; Vineeth S.K.; Gadhave R.V.; Fatima M. J. J.; Supekar M.V.; Thakur V.K.; Raghavan P.	Tannin as a renewable raw material for adhesive applications: a review	2022	Materials Advances				

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648	Sawarkar A.N.	Reaction kinetics and coke forming propensities of Arabian mix asphalt vis-a-vis Arabian mix vacuum residue	2022	Petroleum Science and Technology	40	11	1333	1348
649	Patil S.S.; Sarode D.D.	Industrial Waste Utilization in Road Construction: A Review	2022	Lecture Notes in Civil Engineering	172		721	730
650	Borah T.; Baruah J.; Bhowmick A.R.	Interrelation of Multiple Intelligences—An Approach to Enhance Learning	2022	Lecture Notes in Networks and Systems	391		211	219
651	Shiva C.K.; Gudadappanavar S.S.; Vedik B.; Babu R.; Raj S.; Bhattacharyya B.	Fuzzy-Based Shunt VAR Source Placement and Sizing by Oppositional Crow Search Algorithm	2022	Journal of Control, Automation and Electrical Systems				
652	Singha K.; Pandit P.; Maity S.; Maiti S.; Shanmugasundaram O.L.	Biotechnological and nano-biotechnological approaches in treatment of textile effluents	2022	Applications of Biotechnology for Sustainable Textile Production			221	240
653	Patil V.L.; Dalavi D.S.; Dhavale S.B.; Vanalakar S.A.; Tarwal N.L.; Kalekar A.S.; Kim J.H.; Patil P.S.	Indium doped ZnO nanorods for chemiresistive NO2 gas sensors	2022	New Journal of Chemistry			13573	13580
654	Rajesh P.P.; Christine P.; Ghangrekar M.M.	Optimum dose of Chaetoceros for controlling methanogenesis to improve power production of microbial fuel cell	2022	Water Science and Technology	85	1	257	264
655	Gadipelly C.; Vishwakarma R.; Mannepalli L.K.	Advances in amidation chemistry – a short overview	2022	Arkivoc	2022	6		
656	Pradhan S.; Somkuwar V.; Jha N.	Waste to energy application of sweet lime derived carbon with δ-MnO2 for zinc ion battery	2022	Materials Today: Proceedings	66		2513	2520
657	Aranha D.J.; Gogate P.R.	A Review on Green and Efficient Synthesis of 5-Hydroxymethylfurfural (HMF) and 2,5-Furandicarboxylic Acid (FDCA) from Sustainable Biomass	2022	Industrial and Engineering Chemistry Research				
658	Kale H.B.; Gawande M.B.	Introduction to surface-modified nanomaterials	2022	Surface Modified Nanomaterials for Applications in Catalysis: Fundamentals, Methods and Applications			xvii	xxix
659	Annapure U.S.; Sathyanarayana S.R.S.	Liposomes as biosensors in the food sector	2022	Liposomal Encapsulation in Food Science and Technology			239	254
660	Patil P.B.; Goswami A.D.; Jadhav N.L.; Sayyed A.J.; Holkar C.R.; Pinjari D.V.	Pilot scale advance oxidation process for industrial effluent treatment	2022	Novel Approaches towards Wastewater Treatment and Resource Recovery Technologies			471	496
661	Duan X.; Shirkole S.S.; Mujumdar A.S.	Special issue to honour professor Min Zhang for his contribution to food drying R&D	2022	Drying Technology	40	12	2431	2432
662	Dalai A.K.; Nanda S.; Zheng Y.; Yadav G.D.; Roberts W.;	Preface for Special Issue on “Green catalysis for the production and upgrading of clean fuels and chemicals”	2022	Catalysis Today				

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663	Bhargava A.; Shelke S.; Dilkash M.; Chaubal-Durve N.S.; Patil P.D.; Nadar S.S.; Marghade D.; Tiwari M.S.	A comprehensive review on catalytic etherification of glycerol to value-added products	2022	Reviews in Chemical Engineering				
664	Sarode D.D.; Oak R.S.; Joshi J.B.	Conversion of agriculture, forest, and garden waste for alternate energy source: Bio-oil and biochar production from surplus agricultural waste	2022	Advanced Materials from Recycled Waste			199	220
665	Butale V.; Thakre M.; Gaikwad V.; Mahadik Y.; Jadhav T.	An Evaluation of Wireless Charging Technology for Electric Vehicle	2022	Lecture Notes in Electrical Engineering	903		187	198
666	Kumar S.; Jadhav S.V.; Thorat B.N.	Life cycle assessment of tomato drying in heat pump and microwave vacuum dryers	2022	Materials Today: Proceedings	57		1700	1705
667	Singha K.; Pandit P.; Maity S.; Maiti S.	Techno-economic analysis of present process in textile industry	2022	Applications of Biotechnology for Sustainable Textile Production			23	46
668	Chandrashekhar V.G.; Senthamarai T.; Kadam R.G.; Malina O.; Kašlík J.; Zbořil R.; Gawande M.B.; Jagadeesh R.V.; Beller M.	Silica-supported Fe/Fe–O nanoparticles for the catalytic hydrogenation of nitriles to amines in the presence of aluminium additives	2022	Nature Catalysis	5	1	20	29
669	Humbe S.S.; Joshi G.	Polyether ether ketone high-performance composites and blends present trends: A review	2022	Green Sustainable Process for Chemical and Environmental Engineering and Science: Green Composites: Preparation, Properties and Allied Applications			373	392
670	Sutar D.D.; Jadhav S.V.	Life cycle assessment of methanol production by natural gas route	2022	Materials Today: Proceedings	57		1559	1566
671	Pawar S.; Rathod V.	Comparative bioreactor studies of different process enhancement methods in B. licheniformis for enzyme co-production	2022	Preparative Biochemistry and Biotechnology	52	10	1134	1141
672	Sarode C.; Jagtap Y.; Gogate P.	Ultrasound for Improved Encapsulation and Crystallization with Focus on Pharmaceutical Applications	2022	Springer Optimization and Its Applications	189		193	229
673	Sahai R.S.N.; Shinde A.; Biswas D.; Samui A.B.	Effect of Water Absorption on the Mechanical Properties of Wheat Straw Fibre Reinforced Polystyrene Composites	2022	ASM Science Journal	17			
674	Baby E.K.; Reji C.; Nidhin M.	Metal-Based Nanoparticles for Infectious Diseases and Therapeutics	2022	Nanotechnology for Infectious Diseases			103	124
675	Patil R.S.; Bhagwat S.S.	Thermodynamic analysis of novel absorption type pressure	2022	International Journal of Exergy	37	3	358	375

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		reducing station						
676	Savitha S.; Chakraborty S.; Thorat B.N.	Microstructural changes in blanched, dehydrated, and rehydrated onion	2022	Drying Technology	40	12	2550	2567
677	Gupta P.; Maiti S.; Das R.; Patra S.; Adivarekar R.V.; Basu G.	Okra, a New Technical Bast Fiber: Its Comparison with Jute Fiber	2022	Journal of Natural Fibers	19	16	13511	13523
678	Nakkala K.; Godiyal S.; Ettaboina S.K.; Laddha K.S.	Chemical Modifications of Turmeric Starch by Oxidation, Phosphorylation, and Succinylation	2022	Starch/Staerke				
679	Kolli V.S.; Garg S.; Shirkole S.S.	Silos and bins	2022	Transporting Operations of Food Materials within Food Factories: Unit Operations and Processing Equipment in the Food Industry			61	93
680	Badgujar K.C.; Badgujar V.C.; Bhanage B.M.	Lipase as a green and sustainable material for production of levulinate compounds: State of the art	2022	Materials Science for Energy Technologies	5		232	242
681	Pani A.; Shirkole S.S.; Mujumdar A.S.	Importance of renewable energy in the fight against global climate change	2022	Drying Technology	40	13	2581	2582
682	Kataria G.; Sharma A.; Joshi J.B.; Hameed S.; Amiri A.	A system level analysis of pyrolysis of cotton stalk biomass	2022	Materials Today: Proceedings	57		1528	1532
683	Bondarde M.P.; Jain R.; Sohn J.S.; Lokhande K.D.; Bhakare M.A.; Dhumal P.S.; Some S.	Carbon-based anode materials for lithium-ion batteries	2022	Lithium-Sulfur Batteries: Materials, Challenges and Applications			521	545
684	Gupta P.K.; Maiti S.; Patra S.; Adivarekar R.V.	Effect of Okra Plant Lifespan upon Optical Properties of Okra Fibers	2022	Journal of Natural Fibers	19	15	11679	11695
685	Hussain M.M.; Gaval V.R.; Pratap A.P.	Selection of vegetable oil based biolubricant using TOPSIS MCDM model	2022	Materials Today: Proceedings	62		512	516
686	Khairnar S.V.; Jain D.D.; Tambe S.M.; Chavan Y.R.; Amin P.D.	Nebulizer systems: A new frontier for therapeutics and targeted delivery	2022	Therapeutic Delivery	13	1	31	49
687	Shirkole S.S.; Pani A.; Mujumdar A.S.	Role of expert reviews for assessment of current developments in global drying R&D	2022	Drying Technology	40	2	227	229
688	Kumar V.; Mukherjee J.; Sinha S.K.; Ghosh U.	Combined electromechanically driven pulsating flow of nonlinear viscoelastic fluids in narrow confinements	2022	Journal of the Royal Society Interface	19	189		
689	Mali S.N.; Tambe S.; Pratap A.P.; Cruz J.N.	Molecular Modeling Approaches to Investigate Essential Oils (Volatile Compounds) Interacting with Molecular Targets	2022	Essential Oils: Applications and Trends in Food Science and Technology			417	442
690	Joshi R.; Jadhao M.	Application of biosurfactant as an adjuvant in medicine	2022	Green Sustainable Process for Chemical and Environmental Engineering and Science: Biomedical Application of			61	79

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				Biosurfactant in Medical Sector				
691	Narvekar A.; Pardeshi A.; Jain R.; Dandekar P.	ADCC enhancement: A conundrum or a boon to mAb therapy?	2022	Biologicals				
692	Narayan J.P.; Kumar S.; Patil M.; Goswami P.; Pentayya P.; Kazi F.	Study on Critical Clearing Time of Mumbai Grid Based on Dynamic Simulation	2022	4th International Conference on Energy, Power, and Environment, ICEPE 2022				
693	Fernandes C.G.; Odaneth A.A.	Optimization of pretreatment conditions for bamboo culm harvested at varying ages	2022	Biomass Conversion and Biorefinery				
694	Gore M.; Tiwari A.; Jahagirdar D.; Narayanasamy A.; Jain R.; Dandekar P.	Three-dimensional spheroids of choroid-retinal vascular endothelial cells as an in-vitro model for diabetic retinopathy: Proof-of-concept investigation	2022	Current Research in Pharmacology and Drug Discovery	3			
695	Pandey P.H.; Ukarde T.M.; Mahale J.S.; Vasishta A.; Pawar H.S.	Syngas production via biomass gasification	2022	Biomass, Biofuels, Biochemicals: Biochemicals and Materials Production from Sustainable Biomass Resources			211	261
696	Tomke P.D.; Rathod V.K.	Enzyme inhibitor in regulating beverage processing	2022	Value-Addition in Beverages through Enzyme Technology			217	234
697	Gawande M.B.; Hussain C.M.; Yamauchi Y.	Surface Modified Nanomaterials for Applications in Catalysis: Fundamentals, Methods and Applications	2022	Surface Modified Nanomaterials for Applications in Catalysis: Fundamentals, Methods and Applications			1	360
698	Husain Z.; Shakeelur Raheman A.R.; Ansari K.B.; Pandit A.B.; Khan M.S.; Qyyum M.A.; Lam S.S.	Nano-sized mesoporous biochar derived from biomass pyrolysis as electrochemical energy storage supercapacitor	2022	Materials Science for Energy Technologies	5		99	109
699	Sutkar V.S.; Mahulkar A.V.; Pandit A.B.	Efficiency assessment and mapping of cavitational activities in sonochemical reactors	2022	Energy Aspects of Acoustic Cavitation and Sonochemistry: Fundamentals and Engineering			157	183
700	Bhadke P.K.; Pahelkar A.R.; Gadkari Y.U.; Naik J.M.; Telvekar V.N.	Eco-Friendly and Efficient Greener Process for the Synthesis of Chalcones and Pyrazolones Using the Supramolecular Catalyst β-Cyclodextrin	2022	Organic Preparations and Procedures International	54	4	363	369
701	Kaimal A.M.; Dhingra M.; Singhal R.S.	Monitoring of oil quality from commercial fried foods-A case study from India	2022	Journal of Food Processing and Preservation	46	1		
702	Rohra N.; Gaikwad G.; Dandekar P.; Jain R.	Microfluidic Synthesis of a Bioactive Metal-Organic Framework for Glucose-Responsive Insulin Delivery	2022	ACS Applied Materials and Interfaces	14	6	8251	8265
703	Pawar R.; Pawar S.; Rathod V.	Sequential optimization of xylanase production using Sapindus mukorossi seed waste in Lechevalieria aerocolonigenes	2022	Preparative Biochemistry and Biotechnology	52	2	135	143
704	Mhatre M.M.; Katariya-Jain	Enhancing morphological, electro-optical and dielectric	2022	Liquid Crystals	49	6	790	803

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	A.; Deshmukh R.R.	properties of polymer-dispersed liquid crystal by doping of disperse Orange 25 dye in LC E7						
705	Jadhav K.B.; Sawant M.G.; Satvekar T.; Nagarkar J.M.	Biopesticide formulations of karanj and castor oil using soapnut	2022	Journal of Dispersion Science and Technology	43	3	330	335
706	Basak S.; Singhal R.S.	Succinylation of food proteins- a concise review	2022	LWT	154			
707	Khuntia S.P.; Gadgeel A.; Mestry S.; Mhaske S.T.	Organo-sulfonic acid catalyzed degradation kinetics and thermodynamic studies of nylon-6 by hydrothermal method	2022	Polymers for Advanced Technologies	33	1	411	426
708	Afrose S.P.; Mahato C.; Sharma P.; Roy L.; Das D.	Nonequilibrium Catalytic Supramolecular Assemblies of Melamine- and Imidazole-Based Dynamic Building Blocks	2022	Journal of the American Chemical Society	144	2	673	678
709	Vaidya S.A.; Kshirsagar R.R.; Laddha K.S.; Jain V.N.	ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF A NOVEL HPTLC (METHOD) FOR THE SIMULTANEOUS ESTIMATION OF BERBERINE, GALLIC ACID, QUERCETIN AND PIPERINE IN A POLYHERBAL FORMULATION	2022	Indian Drugs	59	2	47	51
710	Palaskar S.S.; Kale R.D.; Deshmukh R.R.	Influence of Plasma Treatment on Dyeing Properties of Silk Weaves	2022	Journal of Natural Fibers	19	13	7087	7099
711	Marathe S.J.; Hamzi W.; Bashein A.M.; Deska J.; Seppänen-Laakso T.; Singhal R.S.; Shamekh S.	Anti-Angiogenic Effect of Cantharellus cibarius Extracts, its Correlation with Lipoxygenase Inhibition, and Role of the Bioactives Therein	2022	Nutrition and Cancer	74	2	724	734
712	Kadalag N.L.; Pawar P.R.; Prakash G.	Co-cultivation of Phaeodactylum tricornutum and Aurantiochytrium limacinum for polyunsaturated omega-3 fatty acids production	2022	Bioresource Technology	346			
713	Dargode P.S.; More P.P.; Gore S.S.; Asodekar B.R.; Sharma M.B.; Lali A.M.	Microbial consortia adaptation to substrate changes in anaerobic digestion	2022	Preparative Biochemistry and Biotechnology	52	8	924	936
714	Patil B.P.; Jayaram R.V.	Photocatalytic Degradation of Reactive Dyes Using Flyash Supported Ag-TiO2 Photocatalysts	2022	ChemistrySelect	7	5		
715	Upadhyay P.; Lali A.	Engineered Pseudomonas putida for biosynthesis of catechol from lignin-derived model compounds and biomass hydrolysate	2022	Preparative Biochemistry and Biotechnology	52	1	80	88
716	Muley A.B.; Kedia P.; Pegu K.; Kausley S.B.; Rai B.	Analyzing the physical and biochemical changes in strawberries during storage at different temperatures and the development of kinetic models	2022	Journal of Food Measurement and Characterization	16	1	222	247
717	Karemore A.L.; Sinha R.; Chugh P.; Vaidya P.D.	Syngas production by carbon dioxide reforming of methane over Pt/Al2O3 and Pt/ZrO2-SiO2 catalysts	2022	Chemical Engineering Science	249			
718	Ansari K.B.; Gaikar V.G.; Trinh	Carbon dioxide capture over amine functionalized styrene	2022	Journal of Environmental Chemical	10	1		

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719	Ambhore J.P.; Chaudhari S.R.; Cheke R.S.; Kharkar P.S.	A Concise Analytical Profile of Efavirenz: Analytical Methodologies	2022	Critical Reviews in Analytical Chemistry	52	7	1583	1592
720	Chakraborty S.; Mahale S.; Dhar R.; Basak S.	Development of a mixed fruit beverage and pulsed light treatment thereof to obtain a microbially safe and enzymatically stable product	2022	Food Bioscience	45			
721	Margi N.H.; Yadav G.D.	Pseudoionone synthesis from citral and acetone in a fixed bed catalytic reactor with lanthanum modified calcium oxide	2022	New Journal of Chemistry	46	3	1111	1119
722	Teli M.D.; Terega J.M.	Solvent-free acetylation of Ensete ventricosum plant fibre to enhance oleophilicity	2022	Journal of the Textile Institute	113	9	1958	1966
723	Gokhale T.A.; Raut A.B.; Chawla S.K.; Bhanage B.M.	Insights into cascade and sequential one-pot pathways for reductive amination of aldehydes paired with bio-derived levulinic acid to N-substituted pyrrolidones using molecular hydrogen	2022	Reaction Chemistry and Engineering	7	4	1005	1013
724	Patil S.S.; Rathod V.K.	Simultaneous extraction and partial purification of proteins from spent turmeric powder using ultrasound intensified three phase partitioning and its potential as antidiabetic agent	2022	Chemical Engineering and Processing - Process Intensification	172			
725	Bhosale G.S.; Vaidya P.D.; Gogate P.R.; Joshi J.B.; Patil R.N.	Ozonation of phenol and substituted phenols: Dependency of the reaction rate constant on the molecular structure	2022	Canadian Journal of Chemical Engineering	100	2	317	324
726	Kamath R.; Basak S.; Gokhale J.	Recent trends in the development of healthy and functional cheese analogues-a review	2022	LWT	155			
727	Vaidya N.R.; Aklujkar P.; Rao A.R.	Modification of natural gums for application as corrosion inhibitor: a review	2022	Journal of Coatings Technology and Research	19	1	223	239
728	Kajarekar B.R.; Gogate P.R.	Ultrasound assisted intensification of streptomycin production based on fermentation	2022	Chemical Engineering and Processing - Process Intensification	171			
729	Agarkoti C.; Gogate P.R.; Pandit A.B.	Coupling of acoustic/hydrodynamic cavitation with ozone (O3), hydrogen peroxide (H2O2), magnesium oxide (MgO) and manganese dioxide (MnO2) for the effective treatment of CETP effluent	2022	Separation and Purification Technology	284			
730	Drugkar K.; Rathod W.; Sharma T.; Sharma A.; Joshi J.; Pareek V.K.; Ledwani L.; Diwekar U.	Advanced separation strategies for up-gradation of bio-oil into value-added chemicals: A comprehensive review	2022	Separation and Purification Technology	283			

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731	Baidya M.; Maiti D.; Roy L.; De Sarkar S.	Trifluoroethanol as a Unique Additive for the Chemoselective Electrooxidation of Enamines to Access Unsymmetrically Substituted NH-Pyrroles	2022	Angewandte Chemie - International Edition	61	5		
732	Mali P.; Sonawane N.S.; Patil V.; Lokhande G.; Mawale R.; Pawar N.	Morphology of wood degradation and flame retardants wood coating technology: an overview	2022	International Wood Products Journal	13	1	21	40
733	Bhaskar Jadhav H.; Annapure U.	Sonication pre-treatment for the intensified synthesis of tricaproin using acid-resin catalyst	2022	Chemical Engineering Science	247			
734	Shewale S.P.; Panadare D.; Rathod V.K.	Extraction of total antioxidants from Azadirachta indica (neem) using three phase partitioning and its process intensification using ultrasound	2022	Preparative Biochemistry and Biotechnology	52	5	534	539
735	Pakhare A.; Mathpati C.; Dalvi V.H.; Joshi J.; Patil R.; Kalekudithi E.	Effect of crystallizer design and operational parameters on the batch crystallization of ibuprofen I: experimental	2022	Indian Chemical Engineer	64	1	14	26
736	Rakshit G.; Rane A.S.; Patil K.	Richardson extrapolation for the iterated Galerkin solution of Urysohn integral equations with Green's kernels	2022	International Journal of Computer Mathematics	99	8	1538	1556
737	Patil S.P.; Jain P.D.; Sancheti J.S.; Ghumatkar P.J.; Tambe R.; Sathaye S.	Retraction notice to “Neuroprotective and neurotrophic effects of Apigenin and Luteolin in MPTP induced Parkinsonism in mice” [Neuropharmacology, 86 (2014) 192–202] (Neuropharmacology (2014) 86 (192–202), (S0028390814002743), (10.1016/j.neuropharm.2014.07.012))	2022	Neuropharmacology	202			
738	Priya N.; Gogate P.R.	Ultrasound-Assisted Intensification of β-Glucosidase Enzyme Activity in Free and Immobilized Forms	2022	Industrial and Engineering Chemistry Research	61	5	2023	2036
739	Patil H.; Athalye A.; Adivarekar R.	Developments in wash-off technologies after reactive dyeing	2022	Asian Dyer	19	1	25	29
740	Ghodake V.B.; Khare R.A.; Mhaske S.T.	An Insight into Formation and Characterization of Nano-Cellulose Prepared From Industrial Cellulosic Wastes	2022	Journal of Polymers and the Environment	30	1	319	332
741	Jadhav N.C.; Kale R.D.	Mustard oil thermosets using N-vinyl-2-pyrrolidone as crosslinking agent for scrap paper composites	2022	Polymer Bulletin	79	2	883	904
742	Sawant S.V.; Patwardhan A.W.; Joshi J.B.; Dasgupta K.	Boron doped carbon nanotubes: Synthesis, characterization and emerging applications – A review	2022	Chemical Engineering Journal	427			
743	Rana P.; Kaushik B.; Gaur R.; Dutta S.; Yadav S.; Solanki K.; Arora B.; Biradar A.V.; Gawande M.B.; Sharma R.K.	An Earth-abundant cobalt based photocatalyst: Visible light induced direct (het)arene C-H arylation and CO2capture	2022	Dalton Transactions	51	6	2452	2463
744	Phatake V.V.; Gokhale T.A.;	[TBDH][HFIP] ionic liquid catalyzed synthesis of quinazoline-	2022	Journal of Molecular Liquids	345			

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	Bhanage B.M.	2,4(1H,3H)-diones in the presence of ambient temperature and pressure						
745	Jejurkar V.P.; Yashwantrao G.; Suryavanshi A.; Mone N.; Madiwal V.; Ware A.P.; Pingale S.S.; Satpute S.; Rajwade J.M.; Saha S.	Rationally designed Tröger's base decorated bis-carbazoles as twisted solid-state emitting materials and dead bacterial cell imaging	2022	New Journal of Chemistry	46	12	5730	5740
746	Jain P.; Deshmukh S.P.	CC-LA: determining optimal switching angles in a cascaded H-bridge multilevel inverter with the aid of binary cat cubpool-based lion algorithm	2022	Environmental Science and Pollution Research	29	9	12399	12413
747	Mukherjee J.; Pandit A.B.	Mathematical modelling of hydrothermal performance for Kenics type static mixer using power law obeying fluids	2022	Canadian Journal of Chemical Engineering	100	1	170	186
748	Chavan A.; Thorat B.	Techno-economic comparison of selected solar dryers: A case study	2022	Drying Technology	40	10	2105	2115
749	Agarawal V.; Roy S.; Shrawankar K.K.; Ghogale M.; Bharathi S.; Yadav A.; Maitra R.	A hybrid coupled cluster-machine learning algorithm: Development of various regression models and benchmark applications	2022	Journal of Chemical Physics	156	1		
750	Kalaivendan R.G.T.; Mishra A.; Eazhumalai G.; Annapure U.S.	Effect of atmospheric pressure non-thermal pin to plate plasma on the functional, rheological, thermal, and morphological properties of mango seed kernel starch	2022	International Journal of Biological Macromolecules	196		63	71
751	Jadhav H.B.; Gogate P.; Annapure U.	Process intensification of acidolysis reaction catalysed by enzymes for synthesis of designer lipids using sonication	2022	Chemical Engineering Journal	428			
752	Ding Z.; Tiwari S.S.; Tyagi M.; Nandakumar K.	Computational fluid dynamic simulations of regular bubble patterns in pulsed fluidized beds using a two-fluid model	2022	Canadian Journal of Chemical Engineering	100	2	405	422
753	Bhujbal A.V.; Gokhale T.A.; Bhanage B.M.	Reductive Amination of Biomass-Based Levulinic Acid into Pyrrolidone by Protic Ionic Liquid via Dehydrogenation of Dimethyl Amine Borane	2022	Waste and Biomass Valorization	13	1	443	451
754	Gore M.; Narvekar A.; Bhagwat A.; Jain R.; Dandekar P.	Macromolecular cryoprotectants for the preservation of mammalian cell culture: Lessons from crowding, overview and perspectives	2022	Journal of Materials Chemistry B	10	2	143	169
755	Kori S.; Bhujbal Y.; Vadagaonkar K.; Kapdi A.R.; Kommyreddy S.P.; Gharpure S.J.	Room temperature HFIP/Ag-promoted palladium-catalyzed C–H functionalization of benzothiazole with iodoarenes	2022	Chemical Communications	58	6	847	850
756	Lahiri S.; Mandal D.; Biswas	Sonocatalytic recovery of ceria from graphite and inhibition of	2022	Ultrasonics Sonochemistry	82			

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	S.; Gogate P.R.; Bhardwaj R.L.	graphite erosion by ionic liquid based platinum nanocatalyst						
757	Jadhav N.L.; Karande S.A.; Badnore A.U.; Pinjari D.V.	Energy efficient extraction of oil from waste custard apple seed (CAS) with the aid of acoustic cavitation	2022	Chemical Papers	76	1	57	64
758	Ukarde T.M.; Pawar H.S.	PolyE-IL, an Efficient and Recyclable Bronsted Acid Catalyst for Conversion of Rice Straw into Levulinic and Other Organic Acids	2022	Energy and Fuels	36	3	1592	1603
759	Awari H.D.; Sabnis S.S.; Gogate P.R.	Improved Crystallization of Ampicillin Trihydrate Based on the Use of Ultrasound	2022	Industrial and Engineering Chemistry Research	61	6	2538	2547
760	Hinge S.P.; Patwardhan A.W.	Hydrodynamics aspects of asymmetric rotating impeller columns at different scales	2022	Chemical Engineering Research and Design	177		625	639
761	Katariya-Jain A.; Deshmukh R.R.	Effects of dye doping on electro-optical, thermo-electro-optical and dielectric properties of polymer dispersed liquid crystal films	2022	Journal of Physics and Chemistry of Solids	160			
762	Patil H.; Shanmugam V.; Marathe K.	Studies in synthesis and modification of PES membrane and its application for removal of reactive black 5 dye	2022	Indian Chemical Engineer	64	2	111	120
763	Doke R.B.; Paraskar P.M.; Rajput Y.N.; Kulkarni R.D.	Synthesis and Characterization of Green Polyurethane Coatings Derived from Niger-Seed-Oil-Based Polyesteramide Polyols	2022	European Journal of Lipid Science and Technology	124	2		
764	Agashe D.; Maheshwary S.; Pattanaik J.K.; Prakash J.; Bhatt P.; Arya S.S.; Chatterjee S.; Kumar P.; Singh P.; Abbas N.; Sharma C.S.; Chaudhuri C.R.; Devi P.	Career challenges for young independent researchers in India	2022	Current Science	122	2	135	143
765	Sabnis S.S.; Singh S.D.; Gogate P.R.	Improvements in azithromycin recrystallization using ultrasound for size reduction	2022	Ultrasonics Sonochemistry	83			
766	Amberkar T.; Mahanwar P.	Composite Phase Change Material for Improving Thermal Protection Performance of Insulated Packaging Container	2022	International Journal of Engineering Trends and Technology	70	2	59	64
767	Annapure U.S.; Sathyanarayana S.R.; Gupta S.S.	Value addition in food supply chain and bioeconomy	2022	Value-Addition in Food Products and Processing Through Enzyme Technology			483	490
768	Ali S.M.; Santra S.; Mondal A.; Kolay S.; Roy L.; Molla M.R.	Luminescence property switching in 1D supramolecular polymerization of organic donor-π-acceptor chromophores	2022	Polymer Chemistry	13	4	558	568
769	Minglani D.; Sharma A.; Pandey H.; Joshi J.B.	Analysis of flow behavior of cohesive monosized spherical and non-spherical particles in screw feeder	2022	Powder Technology	398			
770	Jadhav H.B.; Gogate P.;	Studies on Chemical and Physical Stability of Mayonnaise	2022	ACS Food Science and Technology	2	2	359	367

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	Annapure U.	Prepared from Enzymatically Interesterified Corn Oil-Based Designer Lipids						
771	Patil R.S.; Bhagwat S.S.	Optimisation of absorption power cycle for generator temperatures 60–210°C with LiBr water as a working fluid	2022	Indian Chemical Engineer	64	3	243	255
772	Sane P.K.; Rakte D.; Tambat S.; Bhalinge R.; Sontakke S.M.; Nemade P.	Enhancing solar photocatalytic activity of Bi5O7I photocatalyst with activated carbon heterojunction	2022	Advanced Powder Technology	33	1		
773	Vedula S.S.; Yadav G.D.	Wastewater treatment containing methylene blue dye as pollutant using adsorption by chitosan lignin membrane: Development of membrane, characterization and kinetics of adsorption	2022	Journal of the Indian Chemical Society	99	1		
774	Rathod V.K.; G K.; Gharat N.N.	Kinetics of extraction of total phenolic content from Sesbania grandiflora L. leaves using ultrasound	2022	Indian Chemical Engineer	64	3	266	276
775	Dey B.; Raj S.; Mahapatra S.; Márquez F.P.G.	Optimal scheduling of distributed energy resources in microgrid systems based on electricity market pricing strategies by a novel hybrid optimization technique	2022	International Journal of Electrical Power and Energy Systems	134			
776	Arya S.S.; Venkatram R.; More P.R.; Vijayan P.	The wastes of coffee bean processing for utilization in food: a review	2022	Journal of Food Science and Technology	59	2	429	444
777	Dhumal D.M.; Patil M.U.; Kulkarni R.V.; Akamanchi K.G.	Development and evaluation of amphiphilic heterolipid based pH-sensitive nanomicelles of doxorubicin	2022	Journal of Drug Delivery Science and Technology	68			
778	Kulkarni B.B.; Kanakikodi K.S.; Rambhia D.A.; Kalidindi S.B.; Maradur S.P.	Exploring the effect of acid modulators on MIL-101 (Cr) metal-organic framework catalysed olefin-aldehyde condensation: A sustainable approach for the selective synthesis of nopol	2022	New Journal of Chemistry	46	2	726	738
779	Ansari S.Z.; Pandit A.B.	Optimising hydrodynamic conditions for inhibiting scale deposition on metal surfaces in the presence of aspartic acid	2022	Indian Chemical Engineer	64	4	337	347
780	Sabnis S.S.; Banakar V.V.; Gogate P.R.; Raha A.; Saurabh	Reactive crystallization of CaCl2 and Na2SO4 in the presence of acoustic cavitation	2022	Chemical Engineering and Processing - Process Intensification	170			
781	Khose R.V.; Bangde P.; Bondarde M.P.; Dhumal P.S.; Bhakare M.A.; Chakraborty G.; Ray A.K.; Dandekar P.; Some S.	Waste derived approach towards wealthy fluorescent N-doped graphene quantum dots for cell imaging and H2O2 sensing applications	2022	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	266			
782	Bhakare M.A.; Lokhande K.D.; Dhumal P.S.; Bondarde M.P.; Some S.	Multifunctional heteroatom doped sustainable carbon nanocomposite for rapid removal of persistent organic pollutant and iodine from water	2022	Separation and Purification Technology	278			

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783	Serrano J.L.; Gaware S.; Pérez J.A.; Pérez J.; Lozano P.; Kori S.; Dandela R.; Sanghvi Y.S.; Kapdi A.R.	Quadrol-Pd(ii) complexes: Phosphine-free precatalysts for the room-temperature Suzuki-Miyaura synthesis of nucleoside analogues in aqueous media	2022	Dalton Transactions	51	6	2370	2384
784	Pawar M.A.; Vora L.K.; Kompella P.; Pokuri V.K.; Vavia P.R.	Long-acting microspheres of Human Chorionic Gonadotropin hormone: In-vitro and in-vivo evaluation	2022	International Journal of Pharmaceutics	611			
785	Pandit P.; Samanta K.K.; Teli M.D.	Optimization of Atmospheric Plasma Treatment Parameters for Hydrophobic Finishing of Silk Using Box Behnken Design	2022	Journal of Natural Fibers	19	2	463	474
786	Kshirsagar S.M.; Chatale B.C.; Amin P.D.	Comparative evaluation of ibuprofen co-crystals prepared by solvent evaporation and hot melt extrusion technology	2022	Journal of Drug Delivery Science and Technology	67			
787	Kumbhar P.; Manjappa A.; Shah R.; Jha N.K.; Singh S.K.; Dua K.; Disouza J.; Patravale V.	Inhalation delivery of repurposed drugs for lung cancer: Approaches, benefits and challenges	2022	Journal of Controlled Release	341		1	15
788	Munot S.S.; Nayak A.K.; Joshi J.B.	Experimental investigations on melt coolability with simulated decay heat—The influence of delay time in flooding	2022	Heat Transfer	51	1	257	273
789	Vineeth S.K.; Gadhave R.V.; Gadekar P.T.	Investigation of crosslinking ability of sodium metabisulphite with polyvinyl alcohol–corn starch blend and its applicability as wood adhesive	2022	Indian Chemical Engineer	64	2	197	207
790	Malani R.S.; Malshe V.C.; Thorat B.N.	Polyols and polyurethanes from renewable sources: past, present and future—part 1: vegetable oils and lignocellulosic biomass	2022	Journal of Coatings Technology and Research	19	1	201	222
791	Jadhav N.L.; Garule P.A.; Pinjari D.V.	Comparative study of ultrasound pretreatment method with conventional hydrodistillation method for extraction of essential oil from Piper betle L. (Paan)	2022	Indian Chemical Engineer	64	2	132	140
792	Mohite A.S.; Rajpurkar Y.D.; More A.P.	Bridging the gap between rubbers and plastics: a review on thermoplastic polyolefin elastomers	2022	Polymer Bulletin	79	2	1309	1343
793	Marathe S.J.; Dedhia N.; Singhal R.S.	Esterification of sugars and polyphenols with fatty acids: techniques, bioactivities, and applications	2022	Current Opinion in Food Science	43		163	173
794	Sahu S.; Karan G.; Roy L.; Maji M.S.	An expeditious route to sterically encumbered nonproteinogenic α-amino acid precursors using allylboronic acids	2022	Chemical Science	13	8	2355	2362
795	Yadav P.; Yadav M.; Gaur R.; Gupta R.; Arora G.; Srivastava A.; Goswami A.; Gawande	Chemistry of magnetic covalent organic frameworks (MagCOFs): From synthesis to separation applications	2022	Materials Advances	3	3	1432	1458

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	M.B.; Sharma R.K.							
796	Dhar R.; Basak S.; Chakraborty S.	Pasteurization of fruit juices by pulsed light treatment: A review on the microbial safety, enzymatic stability, and kinetic approach to process design	2022	Comprehensive Reviews in Food Science and Food Safety	21	1	499	540
797	Lokolkar M.S.; Mane P.A.; Dey S.; Bhanage B.M.	Synthesis of 2-Substituted Indoles by Pd-Catalyzed Reductive Cyclization of 1-Halo-2-nitrobenzene with Alkynes	2022	European Journal of Organic Chemistry	2022	5		
798	Paraskar P.M.; Hatkar V.M.; Kulkami R.D.	Eco-friendly synthesis of waterborne polyurethanes	2022	Eco-Friendly Waterborne Polyurethanes: Synthesis, Properties, and Applications			47	64
799	Basak S.; Annapure U.S.	Trends in “green” and novel methods of pectin modification - A review	2022	Carbohydrate Polymers	278			
800	Kokwar M.A.; Arya S.S.; Bhat M.S.	A cereal-based nondairy probiotic functional beverage: An insight into the improvement in quality characteristics, sensory profile, and shelf-life	2022	Journal of Food Processing and Preservation	46	1		
801	Trivedi N.; Sharma R.; Mondal A.S.; Dixit D.	Recent advances in biotechnology of seaweeds: An overview	2022	Sustainable Global Resources Of Seaweeds Volume 1: Bioresources , cultivation, trade and multifarious applications			627	644
802	Solanke S.; Gaval V.; Thakur R.; Pratap A.	Effect of Varying Stand-off Distance on Tribological and Mechanical Properties of Plasma Sprayed Hydroxyapatite Coated Metallic Substrates	2022	Tribology in Industry	44	1	97	112
803	Pailla S.R.; Sampathi S.; Junnuthula V.; Maddukuri S.; Dodoala S.; Dyawanapelly S.	Brain-Targeted Intranasal Delivery of Zotepine Microemulsion: Pharmacokinetics and Pharmacodynamics	2022	Pharmaceutics	14	5		
804	Vadapalani Nallasivam L.; Gokhale J.S.	Rheological, techno-functional, and physicochemical characterization of Prosopis cineraria (Sangri) seed gum: A potential food and pharmaceutical excipient	2022	Journal of Food Processing and Preservation	46	5		
805	Davison N.; Young W.; Ross A.; Cockerill T.; Rajput S.	Investigating the Impacts of Behavioural-Change Interventions and COVID-19 on the Food-Waste-Generation Behaviours of Catered Students in the UK and India	2022	Sustainability (Switzerland)	14	9		
806	Besharat F.; Ahmadpoor F.; Nezafat Z.; Nasrollahzadeh M.; Manwar N.R.; Fornasiero P.; Gawande M.B.	Advances in Carbon Nitride-Based Materials and Their Electrocatalytic Applications	2022	ACS Catalysis	12	9	5605	5660
807	Singh A.; Singh A.; Singh P.; Chakravarty A.; Singh A.; Singh P.; Mishra M.K.; Singh V.; Srivastava A.K.; Agarwal	Insecticidal Activity, Toxicity, Resistance and Metabolism of Pyrethroids: a Review	2022	Science and Technology Indonesia	7	2	238	250

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808	Tejashree A.; Prakash M.	Study of thermal energy storing beeswax microcapsules by in situ polymerization method	2022	Research Journal of Chemistry and Environment	26	3	29	36
809	Ayare S.D.; Gogate P.R.	Degradation of Tricyclazole fungicide using combined oxidation strategies based on ultrasound, ultraviolet irradiation and microwave	2022	Environmental Technology and Innovation	26			
810	Bamane P.B.; Jagtap R.N.	Synthesis and characterisation of a non-halogenated water-based functional additive to improve ink-adhesion on untreated polypropylene surfaces	2022	International Journal of Adhesion and Adhesives	113			
811	Ghumra D.P.; Rathi O.; Mule T.A.; Khadye V.S.; Chavan A.; Barba F.C.; Main S.; Odaneth A.; Thorat B.N.	Technologies for valorization of municipal solid wastes	2022	Biofuels, Bioproducts and Biorefining	16	3	877	890
812	Mohan K.S.; Mahapatra S.; Febin D.J.L.; Perumal T.; Raj S.; Prabhakaran P.	Economic feasibility studies of simple and discounted payback periods for 1 MWp ground mounted solar PV plant at tirupati airport	2022	Smart Grids and Microgrids: Technology Evolution			59	73
813	D. Desai P.; N. Jagtap R.	Synthesis of ultraviolet curable bisphenol-based epoxy acrylates and comparative study on its physico-chemical properties	2022	Journal of Applied Polymer Science	139	17		
814	Bijoy R.; Agarwala P.; Roy L.; Thorat B.N.	Unconventional Ethereal Solvents in Organic Chemistry: A Perspective on Applications of 2-Methyltetrahydrofuran, Cyclopentyl Methyl Ether, and 4-Methyltetrahydropyran	2022	Organic Process Research and Development	26	3	480	492
815	Jain D.D.; Tambe S.M.; Amin P.D.	Formulation performance window for manufacturing cellulose-based sustained-release mini-matrices of highly water-soluble drug via hot-melt extrusion technology	2022	Cellulose	29	6	3323	3350
816	Joglekar-Athavale A.; Shankarling G.S.	Review: development of inkjet printing colorants in ceramics	2022	Pigment and Resin Technology	51	3	273	289
817	Jadhav H.B.; Gogate P.R.; Annapure U.S.	Understanding the beneficial effects of using designer lipids in the formulation of cookies	2022	Journal of Food Processing and Preservation	46	5		
818	Chen C.; Ding Z.; Tiwari S.S.; Wang J.; Wang J.; Liu G.; Li Y.; Guo M.; Nandakumar K.	Experimental and CFD study of sodium alginate droplets impacting onto immiscible deep liquid surface	2022	Canadian Journal of Chemical Engineering	100	S1	S312	S326
819	Varshney S.; Chugh K.; Mhaske S.T.	Effect of layer-by-layer synthesized graphene–polyaniline-based nanocontainers for corrosion protection of mild steel	2022	Journal of Materials Science	57	17	8348	8366
820	Bhagat B.; Chakraborty S.	Potential of pulsed light treatment to pasteurize pomegranate juice: Microbial safety, enzyme inactivation, and	2022	LWT	159			

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		phytochemical retention						
821	Jachak M.; Khopkar S.; Mehta V.; Bhise R.; Shankarling G.	Synthesis of A2-D2-A1-D1 type red-emitting unsymmetrical squaraine dye: Influence of additional pyridine moiety on photophysical, electrochemical, photo and thermal stability	2022	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	273			
822	Lahiri S.; Mandal D.; Gogate P.R.; Bhardwaj R.L.	Intensified ceria recovery from graphite substrate and cleanup of leachant using sonication	2022	Chemical Engineering and Processing - Process Intensification	174			
823	Humbare R.B.; Sarkar J.; Kulkarni A.A.; Juwale M.G.; Deshmukh S.H.; Amalnerkar D.; Chaskar M.; Albertini M.C.; Rocchi M.B.L.; Kamble S.C.; Ramakrishna S.	Phytochemical Characterization, Antioxidant and Anti-Proliferative Properties of Rubia cordifolia L. Extracts Prepared with Improved Extraction Conditions	2022	Antioxidants	11	5		
824	Sinhmar P.S.; Gogate P.R.	Improved Activation of Titanium Dioxide Catalyst for Isomerization of Alpha Pinene and Understanding into Effect of Isomerization Parameters	2022	Arabian Journal for Science and Engineering	47	5	5875	5893
825	Chavan A.R.; Bhagwat S.S.	Synergistic behavior of SLS-OPE-10 binary mixtures at their CMC	2022	Tenside, Surfactants, Detergents	59	2	134	143
826	Zussy C.; John R.; Urgin T.; Otaegui L.; Vigor C.; Acar N.; Canet G.; Vitalis M.; Morin F.; Planel E.; Oger C.; Durand T.; Rajshree S.L.; Givalois L.; Devarajan P.V.; Desrumaux C.	Intranasal Administration of Nanovectorized Docosahexaenoic Acid (DHA) Improves Cognitive Function in Two Complementary Mouse Models of Alzheimer's Disease	2022	Antioxidants	11	5		
827	Qutub N.; Singh P.; Sabir S.; Umar K.; Sagadevan S.; Oh W.-C.	Synthesis of Polyaniline Supported CdS/CdS-ZnS/CdS-TiO2 Nanocomposite for Efficient Photocatalytic Applications	2022	Nanomaterials	12	8		
828	Munot S.S.; Nayak A.K.; Joshi J.B.	Study on Heat Transfer Behavior in a Scaled Down Core Catcher using Simulant Corium Having Indirect Cooling and (Quasi) Volumetric Heat Source	2022	Thermal Engineering	69	5	336	345
829	Behera S.; Dev M.J.; Singhal R.S.	Cross-linked β-Mannanase Aggregates: Preparation, Characterization, and Application for Producing Partially Hydrolyzed Guar Gum	2022	Applied Biochemistry and Biotechnology	194	5	1981	2004
830	Monga A.; Dev M.J.; Singhal R.S.	Cottage cheese from blends of fresh green peas (Pisum sativum L.) and dairy milk (pEaneer): Preparation, characterization, and sensory evaluation	2022	LWT	160			
831	Chaudhari P.J.; Bari S.B.;	Discovery and Anticancer Activity of Novel 1, 3, 4-Thiadiazole-	2022	ACS Omega	7	20	17270	17294

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	Surana S.J.; Shirkhedkar A.A.; Bonde C.G.; Khadse S.C.; Ugale V.G.; Nagar A.A.; Cheke R.S.	and Aziridine-Based Indolin-2-ones via In Silico Design Followed by Supramolecular Green Synthesis						
832	Babu P.S.S.; Vaidya P.D.	Sorption-enhanced steam methane reforming over Ni/Al2O3/KNaTiO3 bifunctional material	2022	Journal of the Indian Chemical Society	99	5		
833	Basak S.; Gokhale J.	Immunity boosting nutraceuticals: Current trends and challenges	2022	Journal of Food Biochemistry	46	3		
834	Tiwari S.S.; Bale S.; Das D.; Tripathi A.; Tripathi A.; Mishra P.K.; Ekielski A.; Suresh S.	Numerical Simulations of a Postulated Methanol Pool Fire Scenario in a Ventilated Enclosure Using a Coupled FVM-FEM Approach	2022	Processes	10	5		
835	Saito J.; Agrawal A.; Patravale V.; Pandya A.; Orubu S.; Zhao M.; Andrews G.P.; Petit-Turcotte C.; Landry H.; Croker A.; Nakamura H.; Yamatani A.; Salunke S.	The Current States, Challenges, Ongoing Efforts, and Future Perspectives of Pharmaceutical Excipients in Pediatric Patients in Each Country and Region	2022	Children	9	4		
836	Khatri P.; Pandit A.B.	Systematic review of life cycle assessments applied to sugarcane bagasse utilization alternatives	2022	Biomass and Bioenergy	158			
837	Raji A.; Vasu D.; Pandiyaraj K.N.; Ghobeira R.; De Geyter N.; Morent R.; Misra V.C.; Ghorui S.; Pichumani M.; Deshmukh R.R.; Nadagouda M.N.	Combinatorial effects of non-thermal plasma oxidation processes and photocatalytic activity on the inactivation of bacteria and degradation of toxic compounds in wastewater	2022	RSC Advances	12	22	14246	14259
838	Lokhande K.D.; Bhakare M.A.; Bondarde M.P.; Dhumal P.S.; Some S.	Bio-derived efficient flame-retardants for cotton fabric	2022	Cellulose	29	6	3583	3593
839	Ganwir P.; Kale I.; Chaturbhuj G.	Wet copper-slag: A new and eco-friendly catalyst for Knoevenagel condensation	2022	Sustainable Chemistry and Pharmacy	25			
840	Moravkar K.K.; Shah D.S.; Magar A.G.; Bhairav B.A.; Korde S.D.; Ranch K.M.; Chalikwar S.S.	Assessment of pharmaceutical powders flowability and comparative evaluation of lubricants on development of gastro retentive tablets: An application of powder flow tester	2022	Journal of Drug Delivery Science and Technology	71			
841	Karim M.A.U.; Bhagat S.R.;	Empirical detection of parameter variation in growth curve	2022	Chaos, Solitons and Fractals	157			

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	Bhowmick A.R.	models using interval specific estimators						
842	Bagwe P.V.; Bagwe P.V.; Ponugoti S.S.; Joshi S.V.	Peptide-Based Vaccines and Therapeutics for COVID-19	2022	International Journal of Peptide Research and Therapeutics	28	3		
843	Holkar A.; Ghodke S.; Bangde P.; Dandekar P.; Jain R.	Fluorescence-Based Detection of Cholesterol Using Inclusion Complex of Hydroxypropyl-β-Cyclodextrin and l-Tryptophan as the Fluorescence Probe	2022	Journal of Pharmaceutical Innovation	17	1	170	179
844	Patil N.B.; Chaturbhuj G.U.	Sulfated polyborate catalyzed rapid and efficient electrophilic thiocyanation of activated arenes	2022	Tetrahedron Letters	96			
845	Ipar V.S.; Singhal R.S.; Devarajan P.V.	An innovative approach using microencapsulated turmeric oleoresin to develop ready-to-use turmeric milk powder with enhanced oral bioavailability	2022	Food Chemistry	373			
846	Jagtiani E.; Yeolekar M.; Naik S.; Patravale V.	In vitro blood brain barrier models: An overview	2022	Journal of Controlled Release	343		13	30
847	Naiker V.E.; Patil D.A.; More A.P.; Mhaske S.T.	Synthesis of high-performance bio-based benzoxazine for flame retardant application	2022	Polymers for Advanced Technologies	33	5	1481	1495
848	Vishwakarma R.S.; Kantam M.L.; Rathod V.K.	Fluorapatite-Supported Palladium Catalyst for the Synthesis of Alkenyl Nitriles	2022	ChemNanoMat	8	3		
849	Dhakate M.M.; Joshi J.B.; Khakhar D.V.	Analysis of grinding in a spiral jet mill. Part 2: Semi-batch grinding	2022	Chemical Engineering Science	253			
850	Nahar G.; Rajput S.; Grasham O.; Dalvi V.H.; Dupont V.; Ross A.B.; Pandit A.B.	Technoeconomic analysis of biogas production using simple and effective mechanistic model calibrated with biomethanation potential experiments of water lettuce (pistia stratiotes) inoculated by buffalo dung	2022	Energy	244			
851	Biranje P.M.; Patwardhan A.W.; Joshi J.B.; Dasgupta K.	Exfoliated graphene and its derivatives from liquid phase and their role in performance enhancement of epoxy matrix composite	2022	Composites Part A: Applied Science and Manufacturing	156			
852	More A.P.	Flax fiber–based polymer composites: a review	2022	Advanced Composites and Hybrid Materials	5	1		
853	Mandal P.S.; Vijay Kumar A.	Metal-Free One-Pot Domino Synthesis of Oxazolidinone Derivatives	2022	Asian Journal of Organic Chemistry	11	3		
854	Srivastav A.; Gupta K.; Chakraborty D.; Dandekar P.; Jain R.	Efficiency of Chitosan-Coated PLGA Nanocarriers for Cellular Delivery of siRNA and CRISPR/Cas9 Complex	2022	Journal of Pharmaceutical Innovation	17	1	180	193
855	Yashwantrao G.; Saha S.	Perspective on the rational design strategies of quinoxaline derived organic sensitizers for dye-sensitized solar cells (DSSC)	2022	Dyes and Pigments	199			
856	Beg M.R.; Laeeq A.; Sathaye	Pharmacological target and the biological mechanism of gallic	2022	Phytomedicine Plus	2	2		

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	S.	acid for anticataract effect: A network analysis						
857	Dhumal P.S.; Lokhande K.D.; Bondarde M.P.; Bhakare M.A.; Some S.	Heat resistive, binder-free 3d-dough composite as a highly potent flame-retardant	2022	Journal of Applied Polymer Science	139	20		
858	Bangde P.; Pant T.; Gaikwad G.; Jain R.; Dandekar P.	Trimethyl chitosan coated palladium nanoparticles as a photothermal agent and its in vitro evaluation in 2D and 3D model of breast cancer cells	2022	Colloids and Surfaces B: Biointerfaces	211			
859	Basak S.; Chakraborty S.	The potential of nonthermal techniques to achieve enzyme inactivation in fruit products	2022	Trends in Food Science and Technology	123		114	129
860	Hoque M.M.; Moreno-Atanasio R.; Doroodchi E.; Joshi J.B.; Evans G.M.; Mitra S.	Dynamics of a single bubble rising in a quiescent medium	2022	Experimental Thermal and Fluid Science	132			
861	Daroi P.A.; Dhage S.N.; Juvekar A.R.	p-Coumaric acid mitigates lipopolysaccharide induced brain damage via alleviating oxidative stress, inflammation and apoptosis	2022	Journal of Pharmacy and Pharmacology	74	4	556	564
862	Cheke R.S.; Patel H.M.; Patil V.M.; Ansari I.A.; Ambhore J.P.; Shinde S.D.; Kadri A.; Snoussi M.; Adnan M.; Kharkar P.S.; Pasupuleti V.R.; Deshmukh P.K.	Molecular Insights into Coumarin Analogues as Antimicrobial Agents: Recent Developments in Drug Discovery	2022	Antibiotics	11	5		
863	Damiri F.; Rahman M.H.; Zehravi M.; Awaji A.A.; Nasrullah M.Z.; Gad H.A.; Bani-Fwaz M.Z.; Varma R.S.; Germoush M.O.; Al-Malky H.S.; Sayed A.A.; Rojekar S.; Abdel-Daim M.M.; Berrada M.	MXene (Ti3 C2 Tx)-Embedded Nanocomposite Hydrogels for Biomedical Applications: A Review	2022	Materials	15	5		
864	Santra S.; Kolay S.; Sk S.; Ghosh D.; Mishra A.; Roy L.; Sarkar K.; Molla M.R.	Supramolecularly cross-linked nanoassemblies of self-immolative polyurethane from recycled plastic waste: high encapsulation stability and the triggered release of guest molecules	2022	Polymer Chemistry	13	22	3294	3303
865	Jagtiani E.	Advancements in nanotechnology for food science and industry	2022	Food Frontiers	3	1	56	82

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866	Patil S.S.; Rathod V.K.	Combined effect of enzyme co-immobilized magnetic nanoparticles (MNPs) and ultrasound for effective extraction and purification of curcuminoids from Curcuma longa	2022	Industrial Crops and Products	177			
867	Humbe S.S.; Joshi G.M.; Deshmukh R.R.; Dhanumalayan E.; Kaleemulla S.	Improved under damped oscillator properties of polymer blends for electronic applications	2022	Mechanics of Time-Dependent Materials	26	1	119	132
868	Sahoo K.; Khatri P.; Kanwar A.; Singh H.P.; Mani S.; Bergman R.; Runge T.; Kumar D.	Integrated environmental and economic assessments of producing energy crops with cover crops for simultaneous use as biofuel feedstocks and animal fodder	2022	Industrial Crops and Products	179			
869	Swetha S.G.; Badi M.; Raj S.; Mahapatra S.	Role of renewable energy sources and storage units in smart grids	2022	Smart Grids and Microgrids: Technology Evolution			147	173
870	Wijayasinghe Y.S.; Bhansali M.P.; Borkar M.R.; Chaturbhuj G.U.; Muntean B.S.; Viola R.E.; Bhansali P.R.	A Comprehensive Biological and Synthetic Perspective on 2-Deoxy-d-Glucose (2-DG), A Sweet Molecule with Therapeutic and Diagnostic Potentials	2022	Journal of Medicinal Chemistry	65	5	3706	3728
871	Borhade V.; Pathak S.; Sharma S.; Patravale V.	Corrigendum to article “Clotrimazole nanoemulsion for malaria chemotherapy. Part II: Stability assessment, in vivo pharmacodynamic evaluations and toxicological studies” [Int. J. Pharm. 431(1–2) (2012) 149–160] (International Journal of Pharmaceutics (2012) 431(1–2) (149–160), (S0378517311011574), (10.1016/j.ijpharm.2011.12.031))	2022	International Journal of Pharmaceutics	616			
872	Singh A.R.; Dhumal P.S.; Bhakare M.A.; Lokhande K.D.; Bondarde M.P.; Some S.	In-situ synthesis of metal oxide and polymer decorated activated carbon-based photocatalyst for organic pollutants degradation	2022	Separation and Purification Technology	286			
873	Ghosh B.; Banerjee A.; Roy L.; Manna R.N.; Nath R.; Paul A.	The Role of Copper Salts and O2 in the Mechanism of C≡N Bond Activation for Facilitating Nitrogen Transfer Reactions**	2022	Angewandte Chemie - International Edition	61	13		
874	Bhangale A.P.; Wadekar S.D.; Kale S.B.; Mali S.N.; Pratap A.P.	Non-traditional oils with water-soluble substrate as cell growth booster for the production of mannosylerythritol lipids by Pseudozyma antarctica (ATCC 32657) with their antimicrobial activity	2022	Tenside, Surfactants, Detergents	59	2	122	133
875	Ghodse S.M.; Hatvate N.T.; Telvekar V.N.	One pot synthesis of α-N-heteroaryl ketone derivatives from aryl ketones using aqueous NaICl2	2022	Journal of Heterocyclic Chemistry	59	4	800	803
876	Singh A.; Kale R.; Sarkar A.; Juvekar V.; Contractor A.	Autogenous Oxidation/Reduction of Polyaniline in Aqueous Sulfuric Acid	2022	Processes	10	3		

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877	Pandey P.H.; Pawar H.S.	Mingled Metal Oxides Catalyst for Direct Carbonylation of Glycerol into Glycerol Carbonate	2022	ChemistrySelect	7	12		
878	Mahindrakar K.V.; Rathod V.K.	Ultrasound-assisted intensified aqueous extraction of phenolics from waste Syzygium cumini leaves: Kinetic studies and evaluation of antioxidant, antidiabetic and anticancer potential	2022	Food Bioscience	46			
879	Sukhatskiy Y.; Sozanskyi M.; Shepida M.; Znak Z.; Gogate P.R.	Decolorization of an aqueous solution of methylene blue using a combination of ultrasound and peroxate process	2022	Separation and Purification Technology	288			
880	Nanwate A.A.; Bhairat S.P.	On well-posedness of generalized thermistor-type problem	2022	AIP Conference Proceedings	2435			
881	Kulkarni D.; Damiri F.; Rojekar S.; Zehravi M.; Ramproshad S.; Dhoke D.; Musale S.; Mulani A.A.; Modak P.; Paradhi R.; Vitore J.; Rahman M.H.; Berrada M.; Giram P.S.; Cavalu S.	Recent Advancements in Microneedle Technology for Multifaceted Biomedical Applications	2022	Pharmaceutics	14	5		
882	Salame P.; Kotalgi K.; Devakar M.; More P.	Electronic transport properties of NASICON structured NaFe2(PO4)(SO4)2: A potential cathode material for Na-ion batteries, synthesized using ultrasound-assisted, indirect microwave heating technique	2022	Materials Letters	313			
883	Doltade S.B.; Yadav Y.J.; Jadhav N.L.	Industrial wastewater treatment using oxidative integrated approach	2022	South African Journal of Chemical Engineering	40		100	106
884	Sreenivasan S.; Gotmare A.; Ukarde T.M.; Pandey P.H.; Pawar H.S.	A polymeric Brønsted acid ionic liquid mediated liquefaction of municipal solid waste	2022	Journal of Environmental Management	307			
885	Humbe S.S.; Joshi G.M.; Deshmukh R.R.; Dhanumalayan E.; Kaleemulla S.	Quantification of pre- and post-air plasma-treated graphene oxide dispersed polymer blends for high dielectric applications	2022	New Journal of Chemistry	46	20	9909	9922
886	Dhakate M.M.; Joshi J.B.; Khakhar D.V.	Influence of nozzle angle and classifier height on the performance of a spiral air jet mill	2022	Advanced Powder Technology	33	3		
887	Malani R.S.; Malshe V.C.; Thorat B.N.	Polyols and polyurethanes from renewable sources: past, present, and future—part 2: plant-derived materials	2022	Journal of Coatings Technology and Research	19	2	361	375
888	Ansari S.Z.; Pandit A.B.	Inhibitory effect of novel green polymer (Aspartic-citric acid) on the process of nucleation during gypsum scale formation	2022	Journal of Crystal Growth	581			

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889	Paraskar P.M.; Kulkarni R.D.	Influence of bio-based chain extender glycerol on the performance of dimer fatty acid-derived polyurethane coatings	2022	Journal of Polymer Research	29	4		
890	Jaiswal K.S.; Rathod V.K.	Process Intensification of Enzymatic Synthesis of Flavor Esters: A Review	2022	Chemical Record	22	3		
891	Datar S.D.; Raheman S.; Mane R.S.; Chavda D.; Jha N.	Improved electrosorption performance using acid treated electrode scaffold in capacitive deionization	2022	Materials Chemistry and Physics	281			
892	Badi M.; Swetha S.G.; Mahapatra S.; Raj S.	A architectural approach to smart grid technology	2022	Smart Grids and Microgrids: Technology Evolution			295	323
893	Jadhav H.B.; Gogate P.R.; Annapure U.S.	Intensification of Enzymatic Synthesis of Corn Oil Designer Lipids Using Sonication	2022	Arabian Journal for Science and Engineering	47	5	6297	6310
894	Datar S.D.; Mane R.; Jha N.	Recent progress in materials and architectures for capacitive deionization: A comprehensive review	2022	Water Environment Research	94	3		
895	Prasher P.; Sharma M.; Singh S.K.; Gulati M.; Patravale V.; Oliver B.G.; Dua K.	Mucoadhesive particles: an emerging toolkit for advanced respiratory drug delivery	2022	Nanomedicine	17	12	821	826
896	Bhoje R.; Ghosh A.K.; Nemade P.R.	Development of Performance-Enhanced Graphene Oxide-Based Nanostructured Thin-Film Composite Seawater Reverse Osmosis Membranes	2022	ACS Applied Polymer Materials	4	3	2149	2159
897	Karemore A.L.; Sinha R.; Chugh P.; Vaidya P.D.	Syngas Production by Dry Methane Reforming over Alumina-Supported Noble Metals and Kinetic Studies	2022	Chemical Engineering and Technology	45	5	907	917
898	Ray A.; Sharma A.; Singhal R.S.	Valorization of arabinoxylans from Linum usitatissimum (flaxseed) and galactomannans from Leucaena leucocephala (subabul) to develop hybrid hydrogels: Rheological, morphological and thermal characterization	2022	Industrial Crops and Products	178			
899	Maurya R.L.; Kumar M.; Sirohi U.; Priya; Chaudhary V.; Sharma V.R.; Datta S.K.; Yadav M.K.	An effective micropropagation protocol and determination of the clonal fidelity of in vitro developed microshoots of carnation (Dianthus caryophyllus L.) using SSR markers	2022	Nucleus (India)	65	1	49	55
900	Amrutkar S.; More A.; Mestry S.; Mhaske S.T.	Recent developments in the anti-graffiti coatings: an attentive review	2022	Journal of Coatings Technology and Research	19	3	717	739
901	Kalekar V.N.; Vaidya P.D.	Hydrogen Production by Aqueous-Phase Reforming of Model Compounds of Wet Biomass over Platinum Catalysts	2022	Industrial and Engineering Chemistry Research	61	28	10004	10013
902	Murjani B.O.; Kadu P.S.; Bansod M.; Vaidya S.S.; Yadav M.D.	Carbon nanotubes in biomedical applications: current status, promises, and challenges	2022	Carbon Letters	32	5	1207	1226

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903	Garmode R.K.; Gaval V.R.; Kale S.A.; Nikhade S.D.	Comprehensive Evaluation of Materials for Small Wind Turbine Blades Using Various MCDM Techniques	2022	International Journal of Renewable Energy Research	12	2	981	992
904	Bhatkar N.S.; Shirkole S.S.; Brennan C.; Thorat B.N.	Pre-processed fruits as raw materials: part I – different forms, process conditions and applications	2022	International Journal of Food Science and Technology	57	8	4945	4962
905	Kumawat K.L.; Patil H.; Athalye A.	Glycolysis of waste PET bottles using sodium acetate and calcium carbonate as catalyst	2022	Asian Dyer	19	3	52	55
906	Iyer G.; Dyawanapelly S.; Jain R.; Dandekar P.	An overview of oral insulin delivery strategies (OIDS)	2022	International Journal of Biological Macromolecules	208		565	585
907	Rao N.; Lele A.K.; Patwardhan A.W.	Optimization of Liquid Organic Hydrogen Carrier (LOHC) dehydrogenation system	2022	International Journal of Hydrogen Energy	47	66	28530	28547
908	Ding Z.; Tiwari S.S.; Zhang C.; Tyagi M.; Kong B.; Nandakumar K.; Joshi J.B.	Further contributions to the dynamics of a freely rotating elliptical particle in shear flow	2022	Canadian Journal of Chemical Engineering	100	6	1359	1373
909	Raji A.; Vasu D.; Navaneetha Pandiyaraj K.; Ghobeira R.; Deshmukh R.R.	Degradation and Detoxification of Remazol Blue Contaminants as a Model Textile Effluent via Advanced Nonthermal Plasma Oxidation Processes	2022	IEEE Transactions on Plasma Science	50	6	1407	1415
910	Kumari S.; Pandit A.; Bhende A.; Rayalu S.	Thermal Management of Solar Panels for Overall Efficiency Enhancement Using Different Cooling Techniques	2022	International Journal of Environmental Research	16	4		
911	Beldar V.G.; Sidat P.S.; Jadhao M.M.	Ethnomedicinal Plants Used for Treatment of Urolithiasis in India: A Review	2022	Current Traditional Medicine	8	3	46	82
912	Hande P.; Kulkarni K.S.; Adivarekar R.V.; Bhagwat S.S.; Bhate P.M.	A process for dyeing cotton with direct dyes possessing primary aromatic amino groups furnishing wash fastness exhibited by reactive dyes	2022	Coloration Technology	138	3	248	254
913	Singh P.M.; Tiwari A.; Maity D.; Saha S.	Recent progress of nanomaterials in sustainable agricultural applications	2022	Journal of Materials Science	57	24	10836	10862
914	Chaturvedi S.; Chakraborty S.	Optimization of extraction process for legume-based synbiotic beverages, followed by their characterization and impact on antinutrients	2022	International Journal of Gastronomy and Food Science	28			
915	Dhoble S.; Patravale V.; Weaver E.; Lamprou D.A.; Patravale T.	Comprehensive review on novel targets and emerging therapeutic modalities for pulmonary arterial Hypertension	2022	International Journal of Pharmaceutics	621			
916	Dedhia N.; Marathe S.J.; Singhal R.S.	Food polysaccharides: A review on emerging microbial sources, bioactivities, nanoformulations and safety considerations	2022	Carbohydrate Polymers	287			
917	Patil V.L.; Dalavi D.S.; Dhavale S.B.; Tarwal N.L.; Vanalakar	NO2 gas sensing properties of chemically grown Al doped ZnO nanorods	2022	Sensors and Actuators A: Physical	340			

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918	Dhoble S.; Patravale V.	SIRT 1 Activator Loaded Inhaled Antiangiogenic Liposomal Formulation Development for Pulmonary Hypertension	2022	AAPS PharmSciTech	23	5		
919	Chaturvedi S.; Chakraborty S.	Evaluation of prebiotic properties of legume-based synbiotic beverages	2022	Journal of Food Processing and Preservation	46	7		
920	Supare K.; Mahanwar P.	Starch-Chitosan Hydrogels for the Controlled-Release of Herbicide in Agricultural Applications: A Study on the Effect of the Concentration of Raw Materials and Crosslinkers	2022	Journal of Polymers and the Environment	30	6	2448	2461
921	Ramugade S.H.; Ghanavatkar C.W.; Mathew E.; Aswathy P.; Joe I.H.; Sekar N.	NLOphoric Azo Dyes Studied Using Z-Scan	2022	ChemistrySelect	7	20		
922	Kotalgi K.; Kanojiya A.; Tisekar A.; Salame P.H.	Electronic transport and electrochemical performance of MnCo2O4 synthesized using the microwave-assisted sonochemical method for potential supercapacitor application	2022	Chemical Physics Letters	800			
923	Kasthurirangan S.; Gao C.-Z.; Dinh P.M.; Gulyás L.; Suraud E.; Tribedi L.C.	Observation of giant quadrupole plasmon resonance in C60 in fast ion collisions	2022	Physical Review A	106	1		
924	Basak S.; Annapure U.S.	Impact of atmospheric pressure cold plasma on the rheological and gelling properties of high methoxyl apple pectin	2022	Food Hydrocolloids	129			
925	Ghadge S.; Shrivastava S.; Kausley S.B.; Satpute S.; Badve M.; Pandit A.A.; Rai B.; Pandit A.B.	ANN modelling of Hydrodynamic Cavitation for the degradation of Rhodamine B dye	2022	Journal of Water Process Engineering	47			
926	Sawant S.V.; Dasgupta K.; Joshi J.B.; Patwardhan A.W.	Synthesis of boron-doped carbon nanotubes by thermocatalytic decomposition of ethanol using a floating catalyst chemical vapor deposition method: kinetic study	2022	Reaction Chemistry and Engineering	7	10	2163	2174
927	Fotooh Abadi L.; Damiri F.; Zehravi M.; Joshi R.; Pai R.; Berrada M.; Massoud E.E.S.; Rahman M.H.; Rojekar S.; Cavalu S.	Novel Nanotechnology-Based Approaches for Targeting HIV Reservoirs	2022	Polymers	14	15		
928	Mulay A.; Rathod V.K.	Ultrasound-assisted synthesis of ethyl hexanoate using heterogeneous catalyst: Optimization using Box-Behnken design	2022	Journal of the Indian Chemical Society	99	8		

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929	Mahale J.S.; Pawar H.S.	A Polyethylenimine-Functionalized Protic Ionic Liquid (PolyE-IL) Catalyst for Conversion of Aqueous 2,3-Butanediol into Methyl Ethyl Ketone (MEK)	2022	ChemistrySelect	7	27		
930	Narayan Thorat B.; Kumar Sonwani R.	Current technologies and future perspectives for the treatment of complex petroleum refinery wastewater: A review	2022	Bioresource Technology	355			
931	Pandiyaraj K.N.; Deshmukh R.R.; Murphy A.B.; Morent R.; Hyde T.; Lai S.; Taccogna F.; Gitomer S.J.	Guest Editorial Special Issue on Plenary, Invited, and Selected Papers From the Second International Conference on Advances in Plasma Science and Technology (ICAPST-21)	2022	IEEE Transactions on Plasma Science	50	6	1380	1381
932	Mohire S.S.; Yadav G.D.	Bimetallic Cu-Ni Nanometal Supported over Mesocellular Silica Foam As a Novel Catalyst for One-Pot Synthesis of Benzimidazole in DMF As a Bifunctional Reagent	2022	Industrial and Engineering Chemistry Research	61	20	6909	6924
933	Mulchandani K.; Muley A.B.; Singhal R.S.	Assessment of eight Morus indica cultivars for 1-deoxynojirmycin content, antioxidant and anti-diabetic potential: optimization of ultrasound assisted process for bioactive enriched leaf extract	2022	Journal of Food Measurement and Characterization	16	4	3263	3277
934	Nimbekar A.A.; Deshmukh R.R.	Plasma Surface Modification of Flexible Substrates to Improve Grafting for Various Gas Sensing Applications: A Review	2022	IEEE Transactions on Plasma Science	50	6	1382	1394
935	Desai S.N.; Jadhav A.J.; Holkar C.R.; Pawar B.G.; Pinjari D.V.	Extraction and microencapsulation of Buchanania lanzan Spreng seed oil	2022	Chemical Papers	76	6	3521	3530
936	Shaik L.; Chakraborty S.	Effect of pH and total fluence on microbial and enzyme inactivation in sweet lime (Citrus limetta) juice during pulsed light treatment	2022	Journal of Food Processing and Preservation	46	8		
937	Basak S.; Mahale S.; Chakraborty S.	Changes in quality attributes of pulsed light and thermally treated mixed fruit beverages during refrigerated storage (4 °C) condition	2022	Innovative Food Science and Emerging Technologies	78			
938	Shahid M.; Maiti S.; Adivarekar R.V.; Liu S.	Biomaterial based fabrication of superhydrophobic textiles – A review	2022	Materials Today Chemistry	24			
939	Kumari S.; Lali A.M.; Prakash G.	Development of chloroplast engineering tools for Asterarcys sp.: A resilient scenedesmaceae microalga	2022	Algal Research	66			
940	Waikar J.; More P.	Co supported on Cex[Al2O3]0.5-x as an effective catalyst for low-temperature CO oxidation: Effect of calcination temperature	2022	Molecular Catalysis	528			
941	Shete R.T.; Thorat B.N.; Amin P.D.	The Impacts of Method Selectivity and Binders on the Properties of Carbamazepine Granules and Their Applications:	2022	Pharmaceutical Sciences	28	3	459	469

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942	Trimukhe A.M.; Pandiyaraj K.N.; Patekar M.; Miller V.; Deshmukh R.R.	Perspectives and Advances of Nonthermal Plasma Technology in Cancers	2022	IEEE Transactions on Plasma Science	50	8	2489	2515
943	Rajak A.; Kumar Singh A.; Roy L.; Das A.	Solvophobically-Driven Merocyanine Dye Assembly: Predominant Dipole-Dipole Interactions Over Hydrogen-Bonding	2022	ChemNanoMat	8	6		
944	Une V.R.; Bondarde M.P.; Some S.	Formulation and development of water-based fragrance from patchouli essential oils using nonionic surfactant	2022	Applied Nanoscience (Switzerland)	12	7	2117	2125
945	Jadhav P.S.; Joshi G.M.; Humbe S.S.; Dubey R.S.; Kaleemulla S.	Study of the preparation and properties of polyvinyl chloride/nitrocellulose polymer blends	2022	Polymer International	71	8	1009	1021
946	Gore A.J.; Bhagwat S.S.	Separation of tocol (tocopherol & tocotrienol) and phytosterols from palm fatty acid distillate by saponification and purification by low temperature solvent crystallization	2022	Journal of Food Science and Technology	59	8	2962	2971
947	Yashwantrao G.; Shetty P.; Maleikal P.J.; Badani P.; Saha S.	Dehydrative Substitution Reaction in Water for the Preparation of Unsymmetrically Substituted Triarylmethanes: Synthesis, Aggregation-Enhanced Emission, and Mechanofluorochromism	2022	ChemPlusChem	87	7		
948	Patil P.S.; Chakraborty A.; Kadam S.S.; Kharkar P.S.; Patwardhan A.V.; Joshi S.V.	Greener approach for process intensification of iron haematinics by membrane nanofiltration	2022	Journal of the Indian Chemical Society	99	7		
949	Puranik A.; Saldanha M.; Dandekar P.; Jain R.	A comparison between analytical approaches for molecular weight estimation of proteins with variable levels of glycosylation	2022	Electrophoresis	43	11	1223	1232
950	Joshi A.A.; Khairnar S.V.; Chaudhari H.K.	In silico ADME/Pharmacokinetic and Target Prediction Studies of Ethambutol as Drug Molecule	2022	Infectious Disorders - Drug Targets	22	4	12	18
951	Ukarde T.M.; Pawar H.S.	PolyE-IL: A polymeric Brønsted acid ionic liquid catalyst for catalytic thermo liquefaction of sugarcane bagasse into carboxylic acids	2022	Biofuels, Bioproducts and Biorefining	16	4	999	1014
952	Redkar M.; Spegel C.; Tesado C.; Thakor P.; Chatterjee A.; Shinde U.; Suryawanshi D.; Amin P.	Wide variability in osmolality of reconstituted powdered oral rehydration salts due to disparity in the method of preparation among Indian consumers	2022	Journal of Applied Pharmaceutical Science	12	6	224	229
953	Jagtap A.; Wagle P.G.; Jagtiani E.; More A.P.	Layered double hydroxides (LDHs) for coating applications	2022	Journal of Coatings Technology and Research	19	4	1009	1032

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954	Ganwir P.; Bandivadekar P.; Kudale P.; Chaturbhuj G.U.	Catalyst-free, one-pot expeditious synthesis of polyhydroquinolines and 2-amino-4H-chromenes	2022	Research on Chemical Intermediates	48	8	3429	3447
955	Jadhav A.C.; Jadhav N.C.	Waste sunn hemp fibres/epoxy composites: mechanical and thermal properties	2022	Iranian Polymer Journal (English Edition)	31	7	821	833
956	Jadhav H.B.; Gogate P.R.; Waghmare J.T.; Annapure U.S.	Comparative assessment of thermo-oxidative stability of palm oil designer lipid and palm oil blends as frying medium	2022	Applied Food Research	2	1		
957	Bapat A.; Meshram A.; Pradhan S.; Madankar C.S.	Synthesis and Optimization of Rhamnolipids from Tree Borne Oils and Fats for Cosmetics Applications	2022	Journal of Scientific and Industrial Research	81	6	613	621
958	Pawar S.A.; Poojari S.V.; Vijay Kumar A.	Cu2O−CD nanosuperstructures as a Biomimetic Catalyst for Oxidation of Benzylic sp3 C−H bonds and Secondary Amines using Molecular Oxygen: First Total Synthesis of proposed Swerilactone O	2022	Asian Journal of Organic Chemistry	11	6		
959	Sarkar S.; Mestry S.; Mhaske S.T.	Developments in phase change material (PCM) doped energy efficient polyurethane (PU) foam for perishable food cold-storage applications: A review	2022	Journal of Energy Storage	50			
960	Lanjekar K.J.; Gokhale S.; Rathod V.K.	Utilization of waste mango peels for extraction of polyphenolic antioxidants by ultrasound-assisted natural deep eutectic solvent	2022	Bioresource Technology Reports	18			
961	Tambawala H.; Batra S.; Shirapure Y.; More A.P.	Curcumin- A Bio-based Precursor for Smart and Active Food Packaging Systems: A Review	2022	Journal of Polymers and the Environment	30	6	2177	2208
962	Banerjee M.; Nimkar K.; Naik S.; Patravale V.	Unlocking the potential of drug-drug cocrystals – A comprehensive review	2022	Journal of Controlled Release	348		456	469
963	Jadhav H.B.; Gogate P.; Annapure U.	Intensified synthesis of a triglyceride of octanoic acid using sonication and assessment of its frying characteristics	2022	Journal of Food Science and Technology	59	8	3167	3179
964	Sharma S.J.; Sekar N.	Deep-red/NIR emitting coumarin derivatives - Synthesis, photophysical properties, and biological applications	2022	Dyes and Pigments	202			
965	Dhar R.; Chakraborty S.	Enzyme hydrolyzed bael fruit liquefaction and its kinetic study	2022	Food Bioscience	47			
966	Kumaran A.; Vashishth R.; Singh S.; U S.; James A.; Velayudhaperumal Chellam P.	Biosensors for detection of organophosphate pesticides: Current technologies and future directives	2022	Microchemical Journal	178			
967	Shah P.; Siddique A.; Thakkar A.; Gharat S.; Godad A.; Kale P.; Doshi G.	An update on novel therapeutic intervention in Rheumatoid arthritis	2022	International Immunopharmacology	109			
968	Gera S.; Sampathi S.;	Therapeutic Potential of Naringenin Nanosuspension: In Vitro	2022	Pharmaceutics	14	7		

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	Maddukuri S.; Dodoala S.; Junnuthula V.; Dyawanapelly S.	and In Vivo Anti-Osteoporotic Studies						
969	Kartik S.; Balsora H.K.; Sharma M.; Saptoro A.; Jain R.K.; Joshi J.B.; Sharma A.	Valorization of plastic wastes for production of fuels and value-added chemicals through pyrolysis – A review	2022	Thermal Science and Engineering Progress	32			
970	Kakade P.; Pathan Z.; Gite S.; Mirani A.; Patravale V.B.	Nanoparticle Engineering of Aprepitant Using Nano-by-Design (NbD) Approach	2022	AAPS PharmSciTech	23	6		
971	Bakshi G.; Ananthanarayan L.	Characterization of lemon peel powder and its application as a source of pectin degrading enzyme in clarification of cloudy apple juice	2022	Journal of Food Science and Technology	59	7	2535	2544
972	Kori S.; Khandagale D.; Sanghvi Y.S.; Serrano J.L.; Lozano P.; Kapdi A.R.	Suzuki-Miyaura Coupling, Heck Alkenylation, and Amidation of DMTr-Protected 5-Iodo-2′-Deoxyuridine via Palladium-catalyzed Reactions	2022	Current Protocols	2	7		
973	Hazare S.R.; Patil C.S.; Vala S.V.; Joshi A.J.; Joshi J.B.; Vitankar V.S.; Patwardhan A.W.	Predictive analysis of gas hold-up in bubble column using machine learning methods	2022	Chemical Engineering Research and Design	184		724	739
974	Seshadrinathan S.; Chakraborty S.	Fermentative Production of Erythritol from Cane Molasses Using Candida magnoliae: Media Optimization, Purification, and Characterization	2022	Sustainability (Switzerland)	14	16		
975	Mohod A.; Bangadkar S.; Deshmukh A.; Singh S.; Bagal M.; Gogate P.R.	Improvements in crystallization of copper sulphate using ultrasound and comparison with conventional method	2022	Chemical Engineering and Processing - Process Intensification	178			
976	Patil S.V.; Thorat B.N.	Mechanical dewatering of red mud	2022	Separation and Purification Technology	294			
977	Bhatkar N.S.; Shirkole S.S.; Brennan C.; Thorat B.N.	Pre-processed fruits as raw materials: part II—process conditions, demand and safety aspects	2022	International Journal of Food Science and Technology	57	8	4918	4935
978	Bhanushali H.; Amrutkar S.; Mestry S.; Mhaske S.T.	Shape memory polymer nanocomposite: a review on structure–property relationship	2022	Polymer Bulletin	79	6	3437	3493
979	Pandey S.N.; Maiti S.; Adivarekar R.V.	Application of natural proteins in bleaching of cotton using statistical modelling	2022	Asian Dyer	19	4	24	32
980	Savitha S.; Chakraborty S.; Thorat B.N.	Microbial Contamination and Decontamination of Onion and its Products	2022	Applied Food Research	2	1		
981	Kumbhar P.; Kole K.; Yadav T.; Bhavar A.; Waghmare P.; Bhokare R.; Manjappa A.; Jha	Drug repurposing: An emerging strategy in alleviating skin cancer	2022	European Journal of Pharmacology	926			

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	N.K.; Chellappan D.K.; Shinde S.; Singh S.K.; Dua K.; Salawi A.; Disouza J.; Patravale V.							
982	Girase C.D.; Rajput Y.N.; Hatkar V.M.; Kulkarni R.D.	Synthesis and characterizations of cationic poly(DADMAC-co-AM) surfactant for hair care applications	2022	Journal of Polymer Research	29	8		
983	Gawande G.D.; Pinjari D.V.; Chavan P.V.	Degradation of Tartrazine Using Hydrodynamic Cavitation-Based Hybrid Techniques and Fenton Chemistry	2022	Chemical Engineering and Technology	45	6	1148	1157
984	Vishwakarma R.; Rathod V.; Mannepalli L.K.	W/HAP catalysed N-oxidation of tertiary amines with H2O2 as an oxidant	2022	Journal of Chemical Sciences	134	2		
985	Kolekar Y.A.; Bhanage B.M.	Tunable Pd/C-catalyzed oxidative alkoxycarbonylation/aminocarbonylation of aryl hydrazines with alcohols/inert tertiary amines through C-N bond activation	2022	New Journal of Chemistry	46	30	14421	14426
986	Mirchandani Y.; Patravale V.B.; Brijesh S.	Hyaluronic acid-coated solid lipid nanoparticles enhance antirheumatic activity and reduce toxicity of methotrexate	2022	Nanomedicine	17	16	1099	1114
987	Mahakal P.A.; Patwardhan A.W.	Hydrodynamic and axial mixing studies in asymmetric rotating impeller column at high dispersed to continuous phase ratios	2022	Chemical Engineering Research and Design	182		98	113
988	Jachak M.; Bhise R.; Chaturvedi A.; Kamble V.; Shankarling G.	Pyrroloquinoline Based Styryl Dyes Doped PMMA, PS, and PS/TiO2 Polymer for Fluorescent Applications	2022	Journal of Inorganic and Organometallic Polymers and Materials	32	7	2441	2454
989	Nautiyal A.; Shukla S.R.; Prasad V.	ZnO-TiO2 hybrid nanocrystal-loaded, wash durable, multifunction cotton textiles	2022	Cellulose	29	10	5923	5941
990	Pardeshi S.; Damiri F.; Zehravi M.; Joshi R.; Kapare H.; Prajapati M.K.; Munot N.; Berrada M.; Giram P.S.; Rojekar S.; Ali F.; Rahman M.H.; Barai H.R.	Functional Thermoresponsive Hydrogel Molecule to Material Design for Biomedical Applications	2022	Polymers	14	15		
991	K Joy J.; Kalaivendan R.G.T.; Eazhumalai G.; Kahar S.P.; Annapure U.S.	Effect of pin-to-plate atmospheric cold plasma on jackfruit seed flour functionality modification	2022	Innovative Food Science and Emerging Technologies	78			
992	Jadhav N.V.; Pawar M.A.; Vavia P.R.	Pickering Dry Emulsion System for Improved Oral Delivery of Fenofibrate	2022	AAPS PharmSciTech	23	6		
993	Attar A.; Waghmare J.; Mane S.	Water in diesel emulsion fuel: production, properties, performance, and exhaust emission analysis	2022	International Journal of Energy and Environmental Engineering	13	2	729	738
994	Balsora H.K.; Kartik A.; Dua	Machine learning approach for the prediction of biomass	2022	Journal of Environmental Chemical	10	3		

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	V.; Joshi J.B.; Kataria G.; Sharma A.; Chakinala A.G.	pyrolysis kinetics from preliminary analysis		Engineering				
995	Sarkar A.; Jayesh Sodha S.; Junnuthula V.; Kolimi P.; Dyawanapelly S.	Novel and investigational therapies for wet and dry age-related macular degeneration	2022	Drug Discovery Today	27	8	2322	2332
996	Adak A.; Rathee N.; Sengupta S.	Wave breaking limit in arbitrary mass ratio warm plasmas	2022	Contributions to Plasma Physics	62	7		
997	Banakar V.V.; Sabnis S.S.; Gogate P.R.; Raha A.; Saurabh	Ultrasound assisted continuous processing in microreactors with focus on crystallization and chemical synthesis: A critical review	2022	Chemical Engineering Research and Design	182		273	289
998	Kale P.; Mishra A.; Annapure U.S.	Development of vegan meat flavour: A review on sources and techniques	2022	Future Foods	5			
999	Thraeib J.Z.; Altemimi A.B.; Jabbar Abd Al-Manhel A.; Abedelmaksoud T.G.; El-Maksoud A.A.A.; Madankar C.S.; Cacciola F.	Production and Characterization of a Bioemulsifier Derived from Microorganisms with Potential Application in the Food Industry	2022	Life	12	6		
1000	Teli S.M.; Mathpati C.	Process optimization and CFD simulation in external loop airlift reactor and sectionalized external loop airlift for application of wastewater treatment	2022	International Journal of Chemical Reactor Engineering	20	8	887	902
1001	Sonare S.N.; Jaiswal S.J.; Mahanwar P.A.	Review on applications of microencapsulated phase change material in buildings for thermal storage system	2022	Journal of Polymer Research	29	9		
1002	Barkule A.B.; Gadkari Y.U.; Telvekar V.N.	Green and Efficient Synthesis of 1, 2, 4-Triazolidine-3-thiones using Guanidine Hydrochloride as a Recyclable Catalyst under the Aqueous Condition	2022	Letters in Organic Chemistry	19	9	683	688
1003	Chavda V.P.; Patel A.B.; Pandya A.; Vora L.K.; Patravale V.; Tambuwala Z.M.; Aljabali A.A.A.; Serrano-Aroca Á.; Mishra V.; Tambuwala M.M.	Co-infection associated with SARS-CoV-2 and their management	2022	Future Science OA	8	9		
1004	Yawalkar A.N.; Pawar M.A.; Vavia P.R.	Microspheres for targeted drug delivery- A review on recent applications	2022	Journal of Drug Delivery Science and Technology	75			
1005	Rastogi Y.; Priya; Gogate P.R.	Intensified recovery of whey proteins using combination of enzyme in free or immobilized form with ultrafiltration	2022	Chemical Engineering and Processing - Process Intensification	179			
1006	Lakshmi N.J.; Agarkoti C.;	Acoustic and hydrodynamic cavitation-based combined	2022	Journal of Environmental Chemical	10	5		

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	Gogate P.R.; Pandit A.B.	treatment techniques for the treatment of industrial real effluent containing mainly pharmaceutical compounds		Engineering				
1007	Sampathi S.; Prajapati S.; Junnuthula V.; Dyawanapelly S.	Pharmacokinetics and Anti-Diabetic Studies of Gliclazide Nanosuspension	2022	Pharmaceutics	14	9		
1008	Pandey P.H.; Pawar H.S.	Cu dispersed ZrO2 catalyst mediated Kolbe- Schmitt carboxylation reaction to 4-hydroxybenzoic acid	2022	Molecular Catalysis	530			
1009	Gogate P.R.	Intensified sulfate radical oxidation using cavitation applied for wastewater treatment	2022	Current Opinion in Chemical Engineering	37			
1010	Jagtap A.; More A.	A review on self-initiated and photoinitiator-free system for photopolymerization	2022	Polymer Bulletin	79	10	8057	8091
1011	Krishnaveni V.; Esclance DMello M.; Basavaiah K.; Samsonu D.; Rambhia D.A.; Kalidindi S.B.	Hybridization of Palladium Nanoparticles with Aromatic-Rich SU-101 Metal-Organic Framework for Effective Transfer Hydrogenation	2022	European Journal of Inorganic Chemistry	2022	25		
1012	Panda A.; Maiti S.; Madiwale P.; Adivarekar R.	Natural dyes-a way forward	2022	Textile Dyes and Pigments: A Green Chemistry Approach			323	343
1013	Fernandes C.G.; Sawant S.C.; Mule T.A.; Khadye V.S.; Lali A.M.; Odaneth A.A.	Enhancing cellulases through synergistic β-glucosidases for intensifying cellulose hydrolysis	2022	Process Biochemistry	120		202	212
1014	Ahmad A.; Shukla S.R.; Pandit P.; Maiti S.	Gravimetric analysis, kinetic study and optimization of salt and alkali in reactive dyeing	2022	Textile Dyes and Pigments: A Green Chemistry Approach			45	74
1015	Sancheti S.V.; Yadav G.D.	Synthesis of environment-friendly, sustainable, and nontoxic bio-lubricants: A critical review of advances and a path forward	2022	Biofuels, Bioproducts and Biorefining	16	5	1172	1195
1016	Basak S.; Venkatram R.; Singhal R.S.	Recent advances in the application of molecularly imprinted polymers (MIPs) in food analysis	2022	Food Control	139			
1017	Mulay A.; Rathod V.K.	Kinetics, mass transfer, and thermodynamics of Ethyl Hexanoate synthesis using heterogeneous catalyst	2022	Chemical Data Collections	41			
1018	Rangaraj N.; Sampathi S.; Junnuthula V.; Kolimi P.; Mandati P.; Narala S.; Nyavanandi D.; Dyawanapelly S.	Fast-Fed Variability: Insights into Drug Delivery, Molecular Manifestations, and Regulatory Aspects	2022	Pharmaceutics	14	9		
1019	Mane R.S.; Shakeelur Rahema A.R.; Kothawade T.;	Norbornane derived N-doped sp2 carbon framework as an efficient electrocatalyst for oxygen reduction reaction and	2022	Fuel	323			

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	Chakraborty H.; Jha N.	hydrogen evolution reaction						
1020	Humbe S.S.; Joshi G.M.; Deshmukh R.R.; Kaleemulla S.	Anomalous properties of plasma treated hexagonal Boron Nitride dispersed polymer nano blends	2022	Journal of Polymer Research	29	10		
1021	Ghorai N.; Bhunia S.; Burai S.; Ghosh H.N.; Purkayastha P.; Mondal S.	Ultrafast insights into full-colour light-emitting C-Dots	2022	Nanoscale	14	42	15812	15820
1022	Jagtap A.R.; More A.	Developments in reactive diluents: a review	2022	Polymer Bulletin	79	8	5667	5708
1023	Kunal W.; Saptarshi M.; Ravindra A.; Ramanand J.	Studies of mechanical, thermal and electrical properties of guar gum/carbon black composites	2022	Research Journal of Chemistry and Environment	26	9	41	48
1024	Sampathi S.; Tiriya P.K.; Dodoala S.; Junnuthula V.; Dyawanapelly S.	Development of Biocompatible Ciprofloxacin–Gold Nanoparticle Coated Sutures for Surgical Site Infections	2022	Pharmaceutics	14	10		
1025	Chakraborty B.; Bhowmick A.R.; Chattopadhyay J.; Bhattacharya S.	Instantaneous maturity rate: a novel and compact characterization of biological growth curve models	2022	Journal of Biological Physics	48	3	295	319
1026	Kulkarni A.H.; Dalvi V.H.; Deshmukh S.P.; Kelkar A.K.; Joshi J.B.	Effective Maxwell−Stefan diffusion model of near ambient air drying validated with experiments on Thomson seedless grapes	2022	Canadian Journal of Chemical Engineering	100	9	2394	2416
1027	Navaneetha Pandiyaraj K.; Vasu D.; Kandavelu V.; Pichumani M.; Yugeswaran S.; Deshmukh R.R.	Degradation of isothiazolin-3-one's from an aqueous solution via a multi-pin nonthermal atmospheric pressure plasma and its toxicity analysis	2022	Journal of Food Processing and Preservation	46	10		
1028	Kumbhar P.; Kole K.; Khadake V.; Marale P.; Manjappa A.; Nadaf S.; Jadhav R.; Patil A.; Singh S.K.; Dua K.; Jha N.K.; Disouza J.; Patravale V.	Nanoparticulate drugs and vaccines: Breakthroughs and bottlenecks of repurposing in breast cancer	2022	Journal of Controlled Release	349		812	830
1029	Agarkoti C.; Gogate P.R.	Mapping of cavitation intensity in a novel dual-frequency ultrasonic reactor of capacity 10 L	2022	Chemical Engineering Science	259			
1030	Agrawal V.; Sarode D.	Water Recovery from Dairy Industry Waste Stream Whey using Forward Osmosis Technology: Evaluating the Effects of Different Draw Solutions	2022	Water and Energy International	65r	7	22	30
1031	Kadam R.G.; Ye T.-N.; Zaoralová D.; Medveď M.; Sharma P.; Lu Y.; Zoppellaro G.; Tomanec O.; Otyepka M.;	Intermetallic Copper-Based Electride Catalyst with High Activity for C–H Oxidation and Cycloaddition of CO2 into Epoxides	2022	Small	18	38		

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1032	Dev M.J.; Warke R.G.; Warke G.M.; Mahajan G.B.; Patil T.A.; Singhal R.S.	Advances in fermentative production, purification, characterization and applications of gellan gum	2022	Bioresource Technology	359			
1033	Mestry S.; Borse P.; Patil M.; Vaidya S.; Jadhav S.; Mhaske S.T.	Vanillin-derived phosphorus-containing aromatic imine for flame-retardant polyurethane coating	2022	Iranian Polymer Journal (English Edition)	31	10	1183	1196
1034	More P.P.; Gore S.; Dargode P.; Sharma M.B.; Lali A.M.	Volatile Fatty Acids (VFA) Production Through Altered Anaerobic Digestion (AD) Process for Efficient Utilization of Residual Liquid Stream of Pretreated Lignocellulosic Biomass	2022	Bioenergy Research	15	3	1616	1625
1035	Gonsalves O.S.; Ambre J.P.; Nemade P.R.	Improving the yield of graphene oxide-catalysed N-heterocyclization of amines through fed batch mode	2022	New Journal of Chemistry	46	36	17410	17420
1036	Das S.S.; Tambe S.; Prasad Verma P.R.; Amin P.; Singh N.; Singh S.K.; Gupta P.K.	Molecular insights and therapeutic implications of nanoengineered dietary polyphenols for targeting lung cancer: part II	2022	Nanomedicine	17	23	1799	1816
1037	Soni R.; Khan R.; Burange A.S.; Sahani A.J.; Bavera S.; Achary S.N.; Jayaram R.V.	Catalytic application of K2Ce(PO4)2 in Knoevenagel condensation -A green protocol	2022	Journal of the Indian Chemical Society	99	10		
1038	Chavan Y.R.; Tambe S.M.; Jain D.D.; Khairnar S.V.; Amin P.D.	Redefining the importance of polylactide-co-glycolide acid (PLGA) in drug delivery; [Redéfinir l'importance de l'acide polylactide-co-glycolide (PLGA) dans l'administration des médicaments]	2022	Annales Pharmaceutiques Francaises	80	5	603	616
1039	Zambare R.S.; Song X.; Bhuvana S.; Tang C.Y.; Prince J.S.A.; Nemade P.R.	Ionic Liquid-Reduced Graphene Oxide Membrane with Enhanced Stability for Water Purification	2022	ACS Applied Materials and Interfaces	14	38	43339	43353
1040	More R.; More P.	Highly facile Co2+ and Mn3+ species supported on hydroxyapatite catalyst for carbon monoxide oxidation at a lower temperature	2022	Bulletin of Materials Science	45	3		
1041	Bamane P.B.; Wadgaonkar K.K.; Srivastava K.K.; Jagtap R.N.	The effect of partial replacement of maleic anhydride by itaconic acid in sebacic acid-based unsaturated polyester on its various properties	2022	Journal of Polymer Research	29	9		
1042	Bhatnagar A.; Khatri P.; Krzywonos M.; Tolvanen H.; Konttinen J.	Techno-economic and environmental assessment of decentralized pyrolysis for crop residue management: Rice and wheat cultivation system in India	2022	Journal of Cleaner Production	367			
1043	Joshi A.N.	A review of processes for separation and utilization of fluorine	2022	Chemical Papers	76	10	6033	6045

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		from phosphoric acid and phosphate fertilizers						
1044	Gawande S.M.; Sarode D.D.	Analysis of collected responses for understanding the importance of wastewater reuse and its awareness among stakeholders - A case study	2022	Water and Energy International	65r	6	28	32
1045	Mohite A.S.; Jagtap A.R.; Avhad M.S.; More A.P.	Recycling of major agriculture crop residues and its application in polymer industry: A review in the context of waste to energy nexus	2022	Energy Nexus	7			
1046	Junnuthula V.; Kolimi P.; Nyavanandi D.; Sampathi S.; Vora L.K.; Dyawanapelly S.	Polymeric Micelles for Breast Cancer Therapy: Recent Updates, Clinical Translation and Regulatory Considerations	2022	Pharmaceutics	14	9		
1047	Nakkala K.; Laddha K.S.	Development of a validated high-performance thin-layer chromatography method for quantification of lupeol from different parts of Bauhinia acuminata	2022	Biomedical Chromatography	36	10		
1048	More P.R.; Jambrak A.R.; Arya S.S.	Green, environment-friendly and sustainable techniques for extraction of food bioactive compounds and waste valorization	2022	Trends in Food Science and Technology	128		296	315
1049	Das S.S.; Tambe S.; Prasad Verma P.R.; Amin P.; Singh N.; Singh S.K.; Gupta P.K.	Molecular insights and therapeutic implications of nanoengineered dietary polyphenols for targeting lung carcinoma: part I	2022	Nanomedicine	17	23	1779	1798
1050	Shanbhag V.V.; Mukherjee J.; Pandit A.B.	Analytical and numerical investigations of mixing fluids in microchannel systems of different geometrical configurations	2022	Canadian Journal of Chemical Engineering	100	9	2217	2229
1051	Jackson H.O.; Taunt H.N.; Mordaka P.M.; Kumari S.; Smith A.G.; Purton S.	CpPosNeg: A positive-negative selection strategy allowing multiple cycles of marker-free engineering of the Chlamydomonas plastome	2022	Biotechnology Journal	17	10		
1052	Sable D.A.; Gholap A.; Kommyreddy S.P.; Fartade D.J.; Gharpure S.J.; Schulzke C.; Kapdi A.R.	Heteroatom-Assisted Regio- and Stereoselective Palladium-Catalyzed Carboxylation of 9-Allyl Adenine	2022	Journal of Organic Chemistry	87	19	12574	12585
1053	Masram L.B.; Salim S.S.; Barkule A.B.; Gadkari Y.U.; Telvekar V.N.	An efficient and expeditious synthesis of 1,2,4-triazolidine-3-thiones using meglumine as a reusable catalyst in water	2022	Journal of Chemical Sciences	134	3		
1054	Patil R.G.; Yerudkar A.N.; Joglekar A.R.; Panse S.V.; Dalvi V.H.; Shankarling G.S.; Deshpande V.D.; Nayak A.K.; Joshi J.B.	Transition metal compounds as solar selective material	2022	Reviews in Chemical Engineering	38	6	669	702

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1055	Bhoyar T.; Kim D.J.; Abraham B.M.; Tonda S.; Manwar N.R.; Vidyasagar D.; Umare S.S.	Tailoring photoactivity of polymeric carbon nitride via donor-π-acceptor network	2022	Applied Catalysis B: Environmental	310			
1056	Tambe S.; Jain D.; Meruva S.K.; Rongala G.; Juluri A.; Nihalani G.; Mamidi H.K.; Nukala P.K.; Bolla P.K.	Recent Advances in Amorphous Solid Dispersions: Preformulation, Formulation Strategies, Technological Advancements and Characterization	2022	Pharmaceutics	14	10		
1057	Shinde T.U.; Dalvi V.H.; Mathpati C.S.; Shenoy N.; Panse S.V.; Joshi J.B.	Heat transfer investigation of PCM pipe bank thermal storage for space heating application	2022	Chemical Engineering and Processing - Process Intensification	180			
1058	Yadav S.; Gaikwad G.; Chaturvedi A.; Ananthasivan K.; Pandit A.B.; Jain R.	Fabrication of CeO2 microspheres by internal gelation process using T junction droplet generator	2022	Brazilian Journal of Chemical Engineering	39	3	671	689
1059	Pandit P.; Teli M.D.; Chavan P.P.	Simultaneous azoic dyeing and multifunctional finishing of cotton fabric	2022	Textile Dyes and Pigments: A Green Chemistry Approach			249	265
1060	Pawar M.A.; Shevalkar G.B.; Vavia P.R.	Design and Development of Gastro-retentive Drug Delivery System for Trazodone Hydrochloride: a Promising Alternative to Innovator's Controlled-Release Tablet	2022	AAPS PharmSciTech	23	7		
1061	Gokhale J.S.; Hude M.P.; Yadav G.D.; Thomas M.; Kozinski J.; Dalai A.K.	Hydrothermal processing of waste pine wood into industrially useful products	2022	Journal of the Indian Chemical Society	99	9		
1062	Athalye A.	Evolutions in green chemistry and sustainable economy	2022	Textile Dyes and Pigments: A Green Chemistry Approach			421	441
1063	Deka D.; Annapure U.S.; Shirkole S.S.; Thorat B.N.	Bacteriophages: An organic approach to food decontamination	2022	Journal of Food Processing and Preservation	46	10		
1064	Kausley S.B.; Desai K.S.; Patil R.A.; Malhotra C.P.; Pandit A.B.	Comparative study of lime softening, soda ash process, and electrocoagulation for the removal of hardness from groundwater	2022	Proceedings of the Indian National Science Academy	88	3	379	391
1065	Kumar M.; Selvasekaran P.; Kapoor S.; Barbhai M.D.; Lorenzo J.M.; Saurabh V.; Potkule J.; Changan S.; ElKelish A.; Selim S.; Sayed A.A.S.; Radha; Singh S.; Senapathy M.; Pandiselvam R.; Dey A.; Dhumal S.; Natta	Moringa oleifera Lam. seed proteins: Extraction, preparation of protein hydrolysates, bioactivities, functional food properties, and industrial application	2022	Food Hydrocolloids	131			

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	S.; Amarowicz R.; Kennedy J.F.							
1066	Chavda V.P.; Dawre S.; Pandya A.; Vora L.K.; Modh D.H.; Shah V.; Dave D.J.; Patravale V.	Lyotropic liquid crystals for parenteral drug delivery	2022	Journal of Controlled Release	349		533	549
1067	Beldar V.G.; Jadhao M.; Laddha K.	Development of a Simple, Rapid, and Economical Method for Extraction and Isolation of 3-O-acetyl-11-keto-β-boswellic Acid from the Resins of Boswellia serrata	2022	Current Bioactive Compounds	18	8	94	100
1068	Potdar T.; Gorade V.; Kale R.D.	Decolorization of C.I. disperse orange-25 dye from aqueous solution by using modified biopolymer: Adsorption equilibrium, kinetics, and thermodynamics	2022	Textile Dyes and Pigments: A Green Chemistry Approach			177	195
1069	Puranik A.; Saldanha M.; Chirmule N.; Dandekar P.; Jain R.	Advanced strategies in glycosylation prediction and control during biopharmaceutical development: Avenues toward industry 4.0	2022	Biotechnology Progress	38	5		
1070	Sowmya R.S.; Sugriv G.; Annapure U.S.	Effect of basil herb on cookies development and its effect on the nutritive, elemental, phytochemical, textural and sensory quality	2022	Journal of Food Science and Technology	59	9	3482	3491
1071	Kasarla S.S.; Dodoala S.; Sampathi S.; Talluri N.K.; Junnuthula V.; Dyawanapelly S.	Therapeutic Potential of Chrysin in Improving Bone Health	2022	Applied Sciences (Switzerland)	12	17		
1072	Yadav S.B.; Sekar N.	Linear, nonlinear optical properties and structure-property relationships in ESIPT-rhodols	2022	Computational and Theoretical Chemistry	1215			
1073	Vishwakarma R.; Gadipelly C.; Mannepalli L.K.	Advances in Tetrazole Synthesis – An Overview	2022	ChemistrySelect	7	29		
1074	Hameed S.; Wagh A.S.; Sharma A.; Pareek V.; Yu Y.; Joshi J.B.	Kinetic modelling of pyrolysis of cellulose using CPD model: effect of salt	2022	Journal of Thermal Analysis and Calorimetry	147	17	9763	9777
1075	Yadav G.D.; Mewada R.K.; Wagh D.P.; Manyar H.G.	Advances and future trends in selective oxidation catalysis: a critical review	2022	Catalysis Science and Technology	72	3		
1076	Jahagirdar D.; Yadav S.; Gore M.; Korpale V.; Mathpati C.S.; Chidambaram S.; Majumder A.; Jain R.; Dandekar P.	Compartmentalized microfluidic device for in vitro co-culture of retinal cells	2022	Biotechnology Journal	17	9		
1077	Eazhumalai G.; Ranjitha	Atmospheric pressure nonthermal pin to plate plasma system	2022	Journal of Food Processing and	46	10		

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	Gracy T.K.; Mishra A.; Annapure U.S.	for the microbial decontamination of oat milk		Preservation				
1078	Nonglait D.L.; Chukkan S.M.; Arya S.S.; Bhat M.S.; Waghmare R.	Emerging non-thermal technologies for enhanced quality and safety of fruit juices	2022	International Journal of Food Science and Technology	57	10	6368	6377
1079	Shinde S.; Sekar N.	Comparative studies of excited state intramolecular proton transfer (ESIPT) and azo-hydrazone tautomerism in naphthalene-based fluorescent acid azo dyes by computational study	2022	Physical Sciences Reviews	7	8	811	831
1080	Patil H.; Thamizudheen; Athalye A.	Ultrasound assisted enzymatic desizing of denim	2022	Asian Dyer	19	5	23	26
1081	Shinde T.U.; Dalvi V.H.; Patil R.G.; Mathpati C.S.; Panse S.V.; Joshi J.B.	Thermal performance analysis of novel receiver for parabolic trough solar collector	2022	Energy	254			
1082	Todke P.A.; Devarajan P.V.	In-silico approach as a tool for selection of excipients for safer amphotericin B nanoformulations	2022	Journal of Controlled Release	349		756	764
1083	Carpenter J.; Pinjari D.V.; Kumar Saharan V.; Pandit A.B.	Critical Review on Hydrodynamic Cavitation as an Intensifying Homogenizing Technique for Oil-in-Water Emulsification: Theoretical Insight, Current Status, and Future Perspectives	2022	Industrial and Engineering Chemistry Research	61	30	10587	10602
1084	Supare K.; Mahanwar P.A.	Starch-derived superabsorbent polymers in agriculture applications: an overview	2022	Polymer Bulletin	79	8	5795	5824
1085	Doltade S.B.; Pandit A.B.	Novel hydrodynamic cavitation based hand pump for disinfection of groundwater	2022	Environmental Quality Management	32	1	473	482
1086	Pal Y.; Mali S.N.; Pratap A.P.	Optimization of the primary purification process of extracting sphorolipid from the fermentation broth to achieve a higher yield and purity	2022	Tenside, Surfactants, Detergents	59	5	441	449
1087	Khaire R.A.; Thorat B.N.; Gogate P.R.	Applications of ultrasound for food preservation and disinfection: A critical review	2022	Journal of Food Processing and Preservation	46	10		
1088	Pandit P.; Teli M.D.	Ecofriendly single-bath acid dyeing and multifunctional finishing of silk fabric using coconut shell extract	2022	Textile Dyes and Pigments: A Green Chemistry Approach			137	160
1089	Kelkar S.; Nailwal N.; Bhatia N.Y.; Doshi G.; Sathaye S.; Godad A.P.	An Update On Proficiency of Voltage-gated Ion Channel Blockers in the Treatment of Inflammation-associated Diseases	2022	Current Drug Targets	23	14	1290	1303
1090	Daroi P.A.; Dhage S.N.; Juvekar A.R.	p-Coumaric acid protects against D-galactose induced neurotoxicity by attenuating neuroinflammation and apoptosis in mice brain	2022	Metabolic Brain Disease	37	7	2569	2579

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1091	Jeetkar T.J.; Khataokar S.P.; Indurkar A.R.; Pandit A.; Nimbalkar M.S.	A review on plant-mediated synthesis of metallic nanoparticles and their applications	2022	Advances in Natural Sciences: Nanoscience and Nanotechnology	13	3		
1092	Siddiqui Z.A.; Chaudhary B.; Tewari S.; Sekar N.; More S.	Advances in the thiazole backbone-classification, synthesis, properties, and applications of azo dyes	2022	Textile Dyes and Pigments: A Green Chemistry Approach			225	248
1093	Panda M.; Kumar D.; Gharat P.V.; Patil R.G.; Dalvi V.H.; Mathpati C.S.; Gaval V.R.; Deshmukh S.P.; Panse S.V.; Joshi J.B.	Cost effective non-evacuated receiver for line-concentrating solar collectors characterized by experimentally validated computational fluid dynamics model	2022	Canadian Journal of Chemical Engineering	100	9	2259	2278
1094	Rojekar S.; Abadi L.F.; Pai R.; Prajapati M.K.; Kulkarni S.; Vavia P.R.	Mannose-Anchored Nano-Selenium Loaded Nanostructured Lipid Carriers of Etravirine for Delivery to HIV Reservoirs	2022	AAPS PharmSciTech	23	7		
1095	Vaidya S.M.; Jadhav S.M.; Patil M.J.; Mestry S.U.; Mahajan U.R.; Mhaske S.T.	Recent developments in waterborne polyurethane dispersions (WPUDs): a mini-review on thermal and mechanical properties improvement	2022	Polymer Bulletin	79	8	5709	5745
1096	Bakshi G.; Ananthanarayan L.	Cloud stabilization of citrus fruit juices treated with purified pectin methylesterase inhibitor from lemon (Citrus limon L.)	2022	Journal of the Science of Food and Agriculture	102	13	6156	6162
1097	Yadav A.; Verma O.N.; Pandey R.; Jha N.; Singh P.	Ion dynamics and electrical transport in lanthanum silicate apatite (La9.67Si6O26.5)	2022	Applied Physics A: Materials Science and Processing	128	10		
1098	Khairnar S.V.; Pagare P.; Thakre A.; Nambiar A.R.; Junnuthula V.; Abraham M.C.; Kolimi P.; Nyavanandi D.; Dyawanapelly S.	Review on the Scale-Up Methods for the Preparation of Solid Lipid Nanoparticles	2022	Pharmaceutics	14	9		
1099	Shaikh M.F.; Sathaye S.; Wan Ahmad W.A.N.	Editorial: MSPP 34th scientific meeting: Pharmacological perspectives on natural products in drug discovery	2022	Frontiers in Pharmacology	13			
1100	Patel R.; Dube A.; Solanki R.; Khunt D.; Parikh S.; Junnuthula V.; Dyawanapelly S.	Structural Elucidation of Alkali Degradation Impurities of Favipiravir from the Oral Suspension: UPLC-TQ-ESI-MS/MS and NMR	2022	Molecules	27	17		
1101	Shewale S.P.; Kapadia M.; Rathod V.K.	Intensification of total phenolic compounds extraction from Azadirachta indica (Neem) leaves by ultrasound	2022	Chemical Engineering and Processing - Process Intensification	181			
1102	More P.R.; Pegu K.; Arya S.S.	Development and characterization of taro starch-casein composite bioactive films functionalized by micellar pomegranate peel extract (MPPE)	2022	International Journal of Biological Macromolecules	220		1060	1071

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1103	Humbe S.S.; Joshi G.M.; Deshmukh R.R.; Kaleemulla S.	Polyvinylidene fluoride/polysulfone/air plasma defected hexagonal boron nitride emerging nano blends for electrostatic dissipation	2022	Journal of Applied Polymer Science	139	45		
1104	Nemade P.R.; Gonsalves O.S.; Vaishnavi P.S.V.	Organic Solvent- Resistant Nanofiltration	2023	Handbook of Membrane Separations: Chemical, Pharmaceutical, Food, and Biotechnological Applications, Third Edition			33	49
1105	Sawant K.R.; Sarnaik A.P.; Savvashe P.; Hajinajaf N.; Poole P.; Varman A.M.; Lali A.; Pandit R.	One cell-two wells bio-refinery: Demonstrating cyanobacterial chassis for co-production of heterologous and natural hydrocarbons	2022	Bioresource Technology	363			
1106	Gokhale T.A.; Phatake V.V.; Bhanage B.M.	MnO2 nanostructures as sustainable catalysts for selectivity tuning and syntheses of amine coupling products with bio-derived glycerol	2022	Molecular Catalysis	533			
1107	Mangukiya M.A.; Bagwe P.V.; Desai A.A.; Joshi S.V.	DEVELOPMENT AND VALIDATION OF A NOVEL STABILITY INDICATING REVERSE PHASE HIGH PERFORMANCE LIQUID CHROMATOGRAPHIC METHOD FOR RELATED SUBSTANCES AND ASSAY ANALYSIS OF MOLNUPIRAVIR DRUG SUBSTANCE AND DRUG PRODUCT	2022	Indian Drugs	59	12	55	69
1108	Ghoderao P.N.P.; Narayan M.; Dalvi V.H.; Byun H.-S.	Predictions of thermodynamic properties of pure fluids, refrigerants, and binary mixtures using modified Peng-Robinson equation of state	2022	Korean Journal of Chemical Engineering	39	12	3452	3463
1109	Doriya K.; Kumar D.S.; Thorat B.N.	A systematic review on fruit-based fermented foods as an approach to improve dietary diversity	2022	Journal of Food Processing and Preservation	46	11		
1110	Bhoyar T.; Kim D.J.; Abraham B.M.; Gupta A.; Maile N.; Manwar N.R.; Tonda S.; Vidyasagar D.; Umare S.S.	Accelerating NADH oxidation and hydrogen production with mid-gap states of nitrogen-rich carbon nitride photocatalyst	2022	iScience	25	12		
1111	Ahire J.; Bhanage B.M.	Solar Light Assisted Synthesis of CeO2 Nanoparticles for Transesterification of Ethylene Carbonate with Methanol to Dimethyl Carbonate	2022	Catalysis Letters	152	11	3284	3293
1112	Gade S.M.; Saptal V.B.; Bhanage B.M.	Perception of glycerol carbonate as green chemical: Synthesis and applications	2022	Catalysis Communications	172			
1113	Venkatraman P.D.; Sayed U.; Parte S.; Korgaonkar S.	Novel antimicrobial finishing of organic cotton fabrics using nano-emulsions derived from Karanja and Gokhru plants	2022	Textile Research Journal	92	23-24	5015	5032
1114	Ingle A.A.; Ansari S.Z.; Shende D.Z.; Wasewar K.L.; Pandit	Progress and prospective of heterogeneous catalysts for H2O2 production via anthraquinone process	2022	Environmental Science and Pollution Research	29	57	86468	86484

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	A.B.							
1115	Sahai R.S.N.; Biswas D.; Yadav M.; Kamble S.A.; Samui A.B.	EFFECT OF ALKALI AND SILANE TREATMENT ON WATER ABSORPTION AND MECHANICAL PROPERTIES OF SISAL FIBER REINFORCED POLYESTER COMPOSITES	2022	Metallurgical and Materials Engineering	28	4	641	656
1116	Usmani M.K.; Deshmukh S.P.	Experimental Study on Performance Improvement of Photovoltaic Panels Using Thermosyphon Heat Pipes	2023	International Journal on Energy Conversion	11	6	213	224
1117	Mhapankar N.; Siddique A.; Doshi G.; Godad A.; Zine S.	Deciphering the Role of β-Lactamase Inhibitors, Membrane Permeabilizers and Efflux Pump Inhibitors as Emerging Targets in Antibiotic Resistance	2022	Indian Journal of Microbiology	62	4	524	530
1118	Gupta K.; Desai R.; Jawade K.; Jagtap D.D.; Modi D.; Jain R.; Dandekar P.	Determination of functional similarity of biosimilar H9P2S from an investigational CHO clone with Adalimumab	2022	3 Biotech	12	11		
1119	Burai S.; Ghorai N.; Ghosh H.N.; Mondal S.	Discerning the Ultrafast Charge Dynamics in Photostable Perovskite-Carbon Dot Composite Systems: Role of Doped Carbon Dots	2022	Journal of Physical Chemistry C	126	47	20092	20100
1120	Mhaske S.T.; Mestry S.U.; Patil D.A.	Cross-linking of polymers by various radiations: Mechanisms and parameters	2022	Radiation Technologies and Applications in Materials Science			1	28
1121	Rout S.; Tambe S.; Deshmukh R.K.; Mali S.; Cruz J.; Srivastav P.P.; Amin P.D.; Gaikwad K.K.; Andrade E.H.D.A.; Oliveira M.S.D.	Recent trends in the application of essential oils: The next generation of food preservation and food packaging	2022	Trends in Food Science and Technology	129		421	439
1122	Dalvi P.; Dey A.; Gogate P.R.	Ultrasound-Assisted Synthesis of a N-TiO2/Fe3O4@ZnO Complex and Its Catalytic Application for Desulfurization	2022	Sustainability (Switzerland)	14	23		
1123	Datar S.D.; Mane R.S.; Jha N.	Zeolitic imidazolate framework-67 derived porous carbon electrodes for efficient capacitive deionization	2022	Applied Surface Science	604			
1124	Chhabria S.; Takle V.; Sharma N.; Kharkar P.; Pansare K.; Tripathi A.; Tripathi A.; Bhartiya D.	Extremely Active Nano-formulation of Resveratrol (XAR™) attenuates and reverses chemotherapy-induced damage in mice ovaries and testes	2022	Journal of Ovarian Research	15	1		
1125	Augustine E.; Desigan N.; Rajeev R.; Pandey N.K.; Joshi J.B.	Kinetics of dissolution of simulated (U–Ce) MOX fuel pellet in nitric acid	2022	Journal of Radioanalytical and Nuclear Chemistry	331	11	4529	4539
1126	Shaik L.; Chakraborty S.	Nonthermal pasteurization of pineapple juice: A review on the potential of achieving microbial safety and enzymatic stability	2022	Comprehensive Reviews in Food Science and Food Safety	21	6	4716	4737
1127	Asodekar B.; Lali A.	Efficient catalytic conversion of biomass derived cellulose to	2022	Bioresource Technology Reports	20			

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		short chain polyols						
1128	Corrie L.; Gulati M.; Awasthi A.; Vishwas S.; Kaur J.; Khursheed R.; Porwal O.; Alam A.; Parveen S.R.; Singh H.; Chellappan D.K.; Gupta G.; Kumbhar P.; Disouza J.; Patravale V.; Adams J.; Dua K.; Singh S.K.	Harnessing the dual role of polysaccharides in treating gastrointestinal diseases: As therapeutics and polymers for drug delivery	2022	Chemico-Biological Interactions	368			
1129	Basak S.; Annapure U.S.	The potential of subcritical water as a “green” method for the extraction and modification of pectin: A critical review	2022	Food Research International	161			
1130	Sowmya R.S.; Warke V.G.; Mahajan G.B.; Annapure U.S.	Quality and shelf-life assessment of pesto prepared using herbs cultivated by hydroponics	2022	International Journal of Gastronomy and Food Science	30			
1131	Jain V.; Patil R.; Laddha K.S.	ACCELERATED STABILITY STUDIES OF WEDELOLACTONE IN A POLYHERBAL FORMULATION BY RP-HPLC	2022	Indian Drugs	59	12	46	49
1132	Yadav A.; Simha P.; Sathe P.; Gantayet L.M.; Pandit A.	Coupling chemical degumming with enzymatic degumming of ultrasound pre-treated ramie fiber using Bacillus subtilis ABDR01	2022	Environmental Technology and Innovation	28			
1133	Verma S.; Masand N.; Cheke R.S.; Patil V.M.	Protein Informatics and Vaccine Development: Cancer Case Study	2022	Current Topics in Medicinal Chemistry	22	26	2207	2220
1134	Nidheesh P.V.; Gogate P.R.	Sulfate radical-based advanced oxidation processes for environmental decontaminationSulfate radical-based advanced oxidation processes	2022	Current Opinion in Chemical Engineering	38			
1135	Sayyed S.Z.; Vaidya P.D.	Recent Insights into the Production of Syngas and Hydrogen Using Chemical Looping-Steam Reforming (CL-SR)	2022	Industrial and Engineering Chemistry Research	61	41	15015	15029
1136	Bray D.G.; Nahar G.; Grasham O.; Dalvi V.; Rajput S.; Dupont V.; Camargo-Valero M.A.; Ross A.B.	The Cultivation of Water Hyacinth in India as a Feedstock for Anaerobic Digestion: Development of a Predictive Model for Scaling Integrated Systems	2022	Energies	15	24		
1137	Ingle P.U.; Shende S.S.; Shingote P.R.; Mishra S.S.; Sarda V.; Wasule D.L.; Rajput V.D.; Minkina T.; Rai M.; Sushkova S.; Mandzhieva S.; Gade A.	Chitosan nanoparticles (ChNPs): A versatile growth promoter in modern agricultural production	2022	Heliyon	8	11		
1138	Joshi A.J.; Bhojwani H.R.;	Cinnamamide-chalcone derivatives as CDK2 inhibitors:	2022	Journal of the Iranian Chemical Society	19	11	4445	4455

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	Joshi U.J.; Begwani K.V.; Wagal O.S.; Sathaye S.S.; Kanchan D.M.	synthesis, pharmacological evaluation, and molecular modelling study						
1139	Naikwadi A.; Samui A.; Mahanwar P.	Experimental investigation of rigid polyurethane foam/microencapsulated phase change material composite for thermal energy storage in electronic component	2022	Polymer Bulletin	79	11	10095	10114
1140	Annapure U.S.; Rohit T.	Cold Plasma Treatment of Starch	2023	Starch: Advances in Modifications, Technologies and Applications			337	359
1141	Mane R.S.; Pradhan S.; Somkuwar V.; Bhattacharyya R.; Ghosh P.C.; Jha N.	An electron “donor-acceptor-donor” strategy to activate ZIF-67 as a cathode material for fuel cells and zinc ion hybrid supercapacitor	2022	Reaction Chemistry and Engineering	8	4	891	907
1142	Sanap P.; Sonawane D.; Patil S.; Pratap A.	Optimization of oleic-estolide fatty acid synthesis using response surface methodology and artificial neural networks	2022	Industrial Crops and Products	188			
1143	Basuk M.; Adivarekar R.V.	Eco-friendly and sustainable fibers for Sporttech	2022	Chemical Fibers International	72	4	188	189
1144	Dhawale P.V.; David D.A.; Babu A.; Owuor P.S.; Machado L.D.; Thakur V.K.; George J.J.; Raghavan P.	Thermally conducting graphene-elastomer nanocomposites: Preparation, properties, and applications	2022	Graphene-Rubber Nanocomposites: Fundamentals to Applications			377	414
1145	Borse P.Y.; Mestry S.U.; Mhaske S.T.	Development of nanocellulose-titanium dioxide-(3-aminopropyl) trimethoxysilane (NCC-TiO2-APTMS) particles and their application in superhydrophilic self-cleaning coatings	2022	Polymer Bulletin	79	11	9371	9395
1146	Akkineni R.; Markandeya S.V.; Prasad A.N.; Yamajala B.; Venkateswara Rao B.; Chaudhari S.; Kumar D.; Gadge S.T.; Bhanage B.M.	Rapid Synthesis of 1-Aryl-3, 3-dimethyltriazenes by Using In Situ Generated Aryldiazonium Tetrafluoroborate Salts with “DMF-DMA” under Ambient Conditions	2022	ChemistrySelect	7	48		
1147	Kundu S.; Roy L.; Maji M.S.	Development of Carbazole-Cored Organo-Photocatalyst for Visible Light-Driven Reductive Pinacol/Imino-Pinacol Coupling	2022	Organic Letters	24	49	9001	9006
1148	Hans S.; Kumar N.; Gohil N.; Khambhati K.; Bhattacharjee G.; Deb S.S.; Maurya R.; Kumar V.; Reshamwala S.M.S.; Singh V.	Rebooting life: engineering non-natural nucleic acids, proteins and metabolites in microorganisms	2022	Microbial Cell Factories	21	1		
1149	Pal Y.; Mali S.N.; Kale S.B.; Pratap A.P.	Improved adsorptive purification and effective separation of acidic and lactonic sophorolipid biosurfactant	2022	Journal of the Indian Chemical Society	99	11		
1150	Qutub N.; Singh P.; Sabir S.;	Enhanced photocatalytic degradation of Acid Blue dye using	2022	Scientific Reports	12	1		

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	Sagadevan S.; Oh W.-C.	CdS/TiO2 nanocomposite						
1151	Patil P.S.; Gupta P.O.; Sekar N.	Anthrone-Benzothiazole Based Heterocyclic Disperse Azo Dyes: Synthesis, Dyeing, UV Protection Property, Anti-Bacterial Activity, and Computational Study	2022	ChemistrySelect	7	47		
1152	Jadhav H.B.; Pratap A.P.; Gogate P.R.; Annapure U.S.	Ultrasound-assisted synthesis of highly stable MCT based oleogel and evaluation of its baking performance	2022	Applied Food Research	2	2		
1153	Sahai R.S.N.; Kamble S.A.; Biswas D.; Yadav M.; Samui A.B.	Effect of Water Absorption on Mechanical Properties of Treated and Untreated Hemp Fiber Reinforced Polyester Composites	2022	Journal of The Institution of Engineers (India): Series E	103	2	199	208
1154	Sirohi U.; Kumar M.; Sharma V.R.; Teotia S.; Singh D.; Chaudhary V.; Priya; Yadav M.K.	CRISPR/Cas9 System: A Potential Tool for Genetic Improvement in Floricultural Crops	2022	Molecular Biotechnology	64	12	1303	1318
1155	Chaturvedi S.; Chakraborty S.	Optimization of fermentation conditions of synbiotic legume-based beverages and study of their antimicrobial and proteolytic activity	2022	Journal of Food Science	87	11	5070	5088
1156	Jaleh B.; Nasrollahzadeh M.; Eslamipanah M.; Nasri A.; Shabanlou E.; Manwar N.R.; Zboril R.; Fornasiero P.; Gawande M.B.	The Role of Carbon-Based Materials for Fuel Cells Performance	2022	Carbon	198		301	352
1157	Acharya S.K.; Porwal K.	Primal hybrid finite element method for the linear elasticity problem	2022	Applied Mathematics and Computation	435			
1158	Sahu R.; Kapdi A.R.	PTABS: A Unique Water-Soluble π-Acceptor Caged Phosphine	2022	Synlett	34	8	912	930
1159	Prajapati J.; Singh A.; Patil K.; Bhowmick A.R.; Mukherjee A.; Huang Y.; Banerjee A.K.	An occurrence data set for invasive and naturalized alien plants in India	2022	Ecology	103	11		
1160	Babu R.; Kumar V.; Shiva C.K.; Raj S.; Bhattacharyya B.	Application of Sine–Cosine Optimization Algorithm for Minimization of Transmission Loss	2022	Technology and Economics of Smart Grids and Sustainable Energy	7	1		
1161	Puranik A.; Dandekar P.; Jain R.	Exploring the potential of machine learning for more efficient development and production of biopharmaceuticals	2022	Biotechnology Progress	38	6		
1162	Lee Y.; Kim S.-M.; Kim K.; Kim S.-Y.; Lee H.-I.; Kwon H.; Lee H.-W.; Kim C.; Some S.; Hwang H.J.; Lee B.H.	Dual-channel P-type ternary DNTT–graphene barristor	2022	Scientific Reports	12	1		
1163	Kadam D.; Kadam A.; Tungare	An investigation of correlation between structural and	2022	Journal of Food Biochemistry	46	12		

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	K.; Arte P.; Lele S.S.	functional properties of Nigella sativa protein isolate						
1164	Kaimal A.M.; Barela A.K.; Singhal R.S.	Compositional characterisation of papadkhar and deciphering the influence of cationic and anionic component(s) of salt on the quality attributes of papads	2022	International Journal of Food Science and Technology	57	12	7952	7960
1165	Bhoje R.; Ghosh A.K.	Overview of water treatment technologies for preparation of drinking water	2023	Sustainable Remediation Technologies for Emerging Pollutants in Aqueous Environment			431	453
1166	Misra S.; Singh P.; Singh A.K.; Roy L.; Kuila S.; Dey S.; Mahapatra A.K.; Nanda J.	Tuning of the Supramolecular Helicity of Peptide-Based Gel Nanofibers	2022	Journal of Physical Chemistry B	126	51	10882	10892
1167	Ahlawat A.; Basak S.; Ananthanarayan L.	Optimization of spray-dried probiotic buttermilk powder using response surface methodology and evaluation of its shelf stability	2022	Journal of Food Processing and Preservation	46	11		
1168	Rege S.A.; Varshneya M.A.; Momin S.A.	Effect of Medium on the Activity of Eugenol: A Mini-Review	2022	Current Nutrition and Food Science	18	9	799	802
1169	Gangopadhyay S.; Mahanwar P.A.	Nano-silica-containing acrylic polyurethane and acrylic-polyester hybrid polyurethane coatings for direct-to-metal (DTM) coating applications – a comparative study	2022	Journal of Coatings Technology and Research	19	6	1773	1786
1170	Gaur S.S.; Annapure U.S.	Untargeted metabolite profiling of Enterococcus villorum SB2, isolated from the vagina of pregnant women, by HR-LCMS	2022	World Journal of Microbiology and Biotechnology	38	12		
1171	Salunkhe S.; Chaudhary B.U.; Tewari S.; Meshram R.; Kale R.D.	Utilization of agricultural waste as an alternative for packaging films	2022	Industrial Crops and Products	188			
1172	Nakhate A.V.; Pethsangave D.A.; Yadav G.D.; Some S.; Tekade P.V.	Phosphorus grafted chitosan functionalized graphene oxide-based nanocomposite as a novel flame-retardant material for textile and wood	2022	Reaction Chemistry and Engineering	8	4	804	814
1173	Rana P.; Dixit R.; Sharma S.; Dutta S.; Yadav S.; Arora B.; Priyanka N.; Kaushik B.; Gawande M.B.; Sharma R.K.	Insights into the catalytic potential of a rationally designed magnetic boron nitride nanosheet supported nickel catalyst for the efficient synthesis of 1,4-dihydropyridines	2022	Reaction Chemistry and Engineering	592			
1174	Chaturvedi S.; Chakraborty S.	Comparative analysis of spray-drying microencapsulation of Lacticaseibacillus casei in synbiotic legume-based beverages	2022	Food Bioscience	50			
1175	Rathod J.P.; Vira C.; Lali A.M.; Prakash G.	Heterologous mannitol-1-phosphate dehydrogenase gene over-expression in Parachlorella kessleri for enhanced microalgal biomass productivity	2022	Journal of Genetic Engineering and Biotechnology	20	1		
1176	Maiti S.; Islam M.R.; Uddin	Sustainable Fiber-Reinforced Composites: A Review	2022	Advanced Sustainable Systems	6	11		

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	M.A.; Afroj S.; Eichhorn S.J.; Karim N.							
1177	Sharma S.J.; Sekar N.	Charge Transfer as Bridging Correlator for DSSC Efficiency and NLO Property	2022	ChemistrySelect	7	45		
1178	Jaiswal P.B.; Pushkar B.K.; Maikap K.; Mahanwar P.A.	Abiotic aging assisted bio-oxidation and degradation of LLDPE/LDPE packaging polyethylene film by stimulated enrichment culture	2022	Polymer Degradation and Stability	206			
1179	Muthu M.; Tiwari S.	Spectroscopic investigation of preferential solvation of N-confused tetraphenylporphyrinin binary mixtures of dichloromethane with organic cosolvents	2022	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	283			
1180	Pise V.H.; Thorat B.N.	Supercritical fluid extraction of dried Surangi flowers (Mammea suriga)	2022	Industrial Crops and Products	186			
1181	Bhattacharjee A.; Chakraborty S.	Design of a batch Ohmic heater and evaluating the influence of different treatment conditions on quality attributes of kinnow (Citrus nobilis × Citrus deliciosa) juice	2022	Innovative Food Science and Emerging Technologies	82			
1182	More P.R.; Pegu K.; Arya S.S.	Post-harvest application of micellar pomegranate peel extract (MPPE) enriched starch-casein composite coating to preserve the plum (Prunus salicina L.) fruit during cold and ambient storage	2022	Journal of Food Processing and Preservation	46	12		
1183	Polgár M.; Agarwal C.; Gogate P.; Németh G.; Csóka L.	Using CFD simulations to investigate the shear stress in hydrodynamic cavitation reactors coupled with experimental validation using colony count measurements	2022	Scientific Reports	12	1		
1184	Biranje P.M.; Prakash J.; Alexander R.; Kaushal A.; Patwardhan A.W.; Joshi J.B.; Dasgupta K.	Ultra-fast detection and monitoring of cancerous volatile organic compounds in environment using graphene oxide modified CNT aerogel hybrid gas sensor	2022	Talanta Open	6			
1185	Mevada J.S.; Wanje S.G.; Pandit A.B.	Selective recovery of the intracellular enzyme using hydrodynamic cavitation: Scalable approach	2022	Chemical Engineering and Processing - Process Intensification	182			
1186	Dhumal P.S.; Bhakare M.A.; Lokhande K.D.; Bondarde M.P.; Some S.	Bio-waste derived, phosphorus decorated composite for highly efficient flame retardant for cotton fabric	2022	Cellulose	29	16	8879	8888
1187	Bhowmik A.; Chunhavacharatorn P.; Bhargav S.; Malhotra A.; Sendrayakannan A.; Kharkar P.S.; Nirmal N.P.; Chauhan A.	Human Milk Oligosaccharides as Potential Antibiofilm Agents: A Review	2022	Nutrients	14	23		

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1188	Salim S.S.; Gadkari Y.U.; Barkule A.B.; Telvekar V.N.	Thiamine hydrochloride as an acid catalyst for the facile green synthesis of pyrazolopyranopyrimidines under aqueous conditions	2022	Research on Chemical Intermediates	48	12	5077	5087
1189	Pardeshi S.R.; Kole E.B.; Kapare H.S.; Chandankar S.M.; Shinde P.J.; Boisa G.S.; Salgaonkar S.S.; Giram P.S.; More M.P.; Kolimi P.; Nyavanandi D.; Dyawanapelly S.; Junnuthula V.	Progress on Thin Film Freezing Technology for Dry Powder Inhalation Formulations	2022	Pharmaceutics	14	12		
1190	Khan Z.; Sekar N.	Far-red to NIR emitting xanthene-based fluorophores	2022	Dyes and Pigments	208			
1191	Patankar K.C.; Biranje S.; Pawar A.; Maiti S.; Shahid M.; More S.; Adivarekar R.V.	Fabrication of chitosan-based finishing agent for flame-retardant, UV-protective, and antibacterial cotton fabrics	2022	Materials Today Communications	33			
1192	Santra S.; Ghosh A.; Mondal A.; Ali S.M.; Das D.; Sarkar K.; Roy L.; Molla M.R.	Stabilizing Entropically Driven Self-Assembly of Self-Immolative Polyurethanes in Water: A Strategy for Tunable Encapsulation Stability and Controlled Cargo Release	2022	ACS Applied Polymer Materials	4	10	7614	7625
1193	Danait-Nabar S.; Singhal R.S.	Chemical modification of laccase using phthalic and 2-octenyl succinic anhydrides: Enzyme characterization, stability, and its potential for clarification of cashew apple juice	2022	Process Biochemistry	122		181	195
1194	Sanghvi M.R.; Tambare O.H.; More A.P.	Performance of various fillers in adhesives applications: a review	2022	Polymer Bulletin	79	12	10491	10553
1195	Tak S.S.; Shetye O.; Muley O.; Jaiswal H.; Malik S.N.	Emerging technologies for hydrogen production from wastewater	2022	International Journal of Hydrogen Energy	47	88	37282	37301
1196	Ingle A.A.; Shende D.Z.; Wasewar K.L.; Pandit A.B.	Performance of Pd catalyst supported on trimetallic nanohybrid Zr-Al-La in hydrogenation of ethylanthraquinone	2022	International Journal of Chemical Reactor Engineering	20	12	1235	1250
1197	Jadhav H.B.; Annapure U.S.	Understanding the beneficial effect of using medium chain triglycerides in preparation of traditional puran poli	2022	Journal of Food Science and Technology	59	11	4297	4304
1198	Chaudhary B.U.; Lingayat S.; Banarjee A.N.; Kale R.D.	Preparation and Characterization of Antioxidant, Antimicrobial, and UV-Light Protection Film Based on Poly(vinyl alcohol) and Garlic Peel Extract	2022	Waste and Biomass Valorization	13	12	4717	4734
1199	Singh S.A.; Patankar S.C.	Process intensification of separation and synthesis pathways using deep eutectic solvents	2023	Process Intensification for Chemical and Biotechnology Industries: Fundamentals and Applications to Critical and Advanced Processes			75	100
1200	Jha P.; Gokhale J.S.	Development and characterization of chitosan-purple yam	2022	Journal of Food Processing and	46	12		

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1201	Lokolkar M.S.; Kolekar Y.A.; Jagtap P.A.; Bhanage B.M.	Cu-Catalyzed C-C Coupling Reactions	2023	Topics in Organometallic Chemistry	93		277	384
1202	Dongare P.P.; Pawar H.S.	Biohydrogen production from dark fermentation of lignocellulosic biomass	2023	Green Approach to Alternative Fuel for a Sustainable Future			223	242
1203	Shanbhag V.V.; Mukherjee J.; Pandit A.B.	Analytical and Numerical Investigations of Electrokinetic Micromixing in Electroosmotic Micromixers	2023	Industrial and Engineering Chemistry Research				
1204	Gawas S.D.; Joshi P.; Rathod V.K.	Enzymatic synthesis of Isopropyl stearate, a cosmetic emollient: optimisation and kinetic approach	2023	Indian Chemical Engineer	65	6	511	526
1205	Mhaske S.T.; Mohanty J.D.; Chugh K.W.	Fluoropolymers: brief history, fundamental chemistry, processing, structure, properties, and applications	2023	Advanced Fluoropolymer Nanocomposites: Fabrication, Processing, Characterization and Applications			1	27
1206	Yalakki V.; Arya S.S.	Soaking of Cereals	2023	Cereal Processing Technologies Impact on Nutritional, Functional, and Biological Properties			159	176
1207	Yadav G.D.	Carbon Dioxide Refineries, Hydrogen Economy, and the Net Zero Goal	2023	Climate Change and Sustainable Development			31	59
1208	Gaonkar A.; Murudkar V.; Deshpande V.D.	Isothermal Crystallization, Melting Behavior and Mechanical Properties of Polyethylene Terephthalate (PET) and Reorganized PET (RPET)	2023	Journal of Macromolecular Science, Part B: Physics	62	3	105	128
1209	Sarlin P.J.; Morris S.; Morris S.; Morris S.; Joseph P.	First report of “wire mesh reinforcement” in avian nest construction	2023	Watershed Ecology and the Environment	5		108	113
1210	Shirhatti V.R.; Marathe S.J.; Shah N.N.; Singhal R.S.	Traditional food systems: going backwards to move forward towards finding solutions to nutritional problems	2023	Nutrition Science, Marketing Nutrition, Health Claims, and Public Policy			95	117
1211	Bhoje R.S.; Ghosh A.K.; Nemade P.R.	Functionalized graphene-based material as a nanofiller for high-performance thin film composite seawater reverse osmosis membrane	2023	Separation Science and Technology (Philadelphia)	58	15-16	2790	2805
1212	Sahu R.; Yadav S.; Nath S.; Banerjee J.; Kapdi A.R.	DNA-encoded libraries via late-stage functionalization strategies: a review	2023	Chemical Communications			427	452
1213	Dhakate M.M.; Joshi J.B.; Khakhar D.V.	Effects of Diffusional Particle Motion on Size Classification in a Spiral Jet Mill	2023	Industrial and Engineering Chemistry Research				
1214	Mishra A.; Kalaivendan R.G.T.; Eazhumalai G.; Annapure U.S.	Cold Plasma Treatment of Cereals	2023	Cereal Processing Technologies Impact on Nutritional, Functional, and Biological Properties			417	439
1215	Yadav A.; Yadav A.; Rajput S.;	Removal of cationic dye using Jackfruit (Artocarpus	2023	Asian Dyer	20	1	22	27

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1216	Sutar S.V.; Yadav G.D.	Advancements in spray drying system for heat recovery, methodology, and economics: A review	2023	Drying Technology	41	16	2537	2565
1217	Kshirsagar A.B.; Kankani V.G.; Chatterjee I.B.; Mathpati C.S.; Vaidya P.D.; Joshi J.B.	Process Intensification of Absorption of Nitrogen Oxides in the Manufacturing of Nitric Acid and Techno-economic Assessment: Use of Ozone	2023	Industrial and Engineering Chemistry Research				
1218	Ingle A.P.; Gade A.; Bonde S.; Wypij M.; Golinska P.; Rai M.	Nanotechnological strategies for drug delivery and treatment of COVID-19	2023	Nanotechnology Principles in Drug Targeting and Diagnosis			301	333
1219	Paramane R.; Kataria A.; Mathpati C.; Kokil P.; Joshi J.	Performance Improvement of Biomass Cookstove: Insights from Computational Fluid Dynamics and Prototype Testing	2023	Industrial and Engineering Chemistry Research				
1220	Maity S.; Singha K.; Pandit P.	Preface	2023	Functional and Technical Textiles			xix	xx
1221	Nabar K.U.; Bhanage B.M.; Dawande S.G.	Copper-catalyzed N-arylation of amines with aryliodonium ylides in water	2023	Beilstein Journal of Organic Chemistry	19		1008	1014
1222	Tambe S.; Das S.S.; Singh N.; Verma P.R.P.; Amin P.; Singh S.K.	Conventional to Nanotherapeutic Strategies against Triple-Negative Breast Cancer	2023	Hormone Related Cancer Mechanistic and Nanomedicines: Challenges and Prospects			219	238
1223	Mhatre S.; Shukla S.; Chavda V.P.; Gandikota L.; Patravale V.	AI and ML for Development of Cell and Gene Therapy for Personalized Treatment	2023	Bioinformatics Tools for Pharmaceutical Drug Product Development			371	400
1224	Sequeira R.C.; Godad A.	Understanding Glycogen Synthase Kinase-3: A Novel Avenue for Alzheimer's Disease	2023	Molecular Neurobiology				
1225	Allam A.Y.; Khan Z.S.; Bhat M.S.; Naik B.; Wani S.A.; Rustagi S.; Aijaz T.; Elsadek M.F.; Chen T.-W.	Chemical, Physical, and Technological Characteristics of Palm Olein and Canola Oil Blends	2023	Journal of Food Quality	2023			
1226	Bhatkar N.S.; Vimal; Shirkole S.S.	Future Prospect and Global Market Demand for Dried Herbs, Spices and Medicinal Plants	2023	Drying of Herbs, Spices, and Medicinal Plants			217	229
1227	Surve S.S.; Sahai R.S.N.; Jha N.R.	Enhancing Thermal Performance of Evacuated Tube Solar Collector using Novel Graphene Oxide Nanofluid	2023	ASM Science Journal	18			
1228	Nakkala K.; Kulkarni V.; Laddha K.S.	EXTRACTION AND ISOLATION OF β-AMYRIN FROM FICUS ELASTICA	2023	Indian Drugs	60	10	83	86
1229	Supriya; Rane N.V.; Chaturvedi A.; Vanka S.K.; Kumari A.	Biobased Graphene for Synthesis of Nanophotocatalysts in the Treatment of Wastewater: A Review and Future Perspective	2023	Biorefinery: A Sustainable Approach for the Production of Biomaterials, Biochemicals and Biofuels			203	232

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1231	Basuk M.; Adivarekar R.V.	Sweating thermal manikin system for evaluation of thermal & moisture comfort of sportswear	2023	Asian Textile Journal	32	01-Feb	21	23
1232	Patil N.A.; Kandasubramanian B.	Oxazoline and caprolactone based polymeric materials	2023	Handbook of Polymers in Medicine			283	304
1233	Patil P.D.; Kelkar R.K.; Patil N.P.; Pise P.V.; Patil S.P.; Patil A.S.; Kulkarni N.S.; Tiwari M.S.; Phirke A.N.; Nadar S.S.	Magnetic nanoflowers: a hybrid platform for enzyme immobilization	2023	Critical Reviews in Biotechnology				
1234	Shailesh D.; Dandekar P.; Jain R.	Polyrotaxane Polymers for Nucleic Acid Delivery	2023	Engineered Biomaterials: Progress and Prospects			657	693
1235	Jain A.S.; Shah H.M.; Joshi S.V.; Kharkar P.S.	Drugs for giardiasis, trichomoniasis, and leishmaniasis	2023	Medicinal Chemistry of Chemotherapeutic Agents: a Comprehensive Resource of Anti-infective and Anti-cancer Drugs			431	460
1236	Kumar N.; Samant S.; Singh K.; Reshamwala S.M.S.	Minimal Cells and Genome Minimization: Top-Down and Bottom-Up Approaches to Construct Synthetic Cells	2023	Biomanufacturing for Sustainable Production of Biomolecules			17	44
1237	Law C.L.; Shirkole S.S.; Jangam S.V.	Introduction to Particulate Drying	2023	Particulate Drying: Techniques and Industry Applications			1	10
1238	Dharmik P.M.; Pethe A.M.; Kharkar P.S.	Domestic pharmaceutical and personal care products waste: are we wise enough to deal with it?	2023	360-Degree Waste Management, Volume 2: Biomedical, Pharmaceutical, Industrial Waste, and Remediation	2		63	80
1239	Jangam S.V.; Law C.L.; Shirkole S.S.	Preface	2023	Particulate Drying: Techniques and Industry Applications			ix	x
1240	Hii C.L.; Shirkole S.S.	Drying of Herbs, Spices, and Medicinal Plants	2023	Drying of Herbs, Spices, and Medicinal Plants			1	238
1241	Maity D.; Murmu G.; Sahoo S.R.; Tiwari A.; Ajith S.; Saha S.	Metal/Metal Oxide Nanoparticles-Based Biosensors for Detection of Infectious Diseases	2023	Point-of-Care Biosensors for Infectious Diseases			147	185
1242	Gupta S.; Umeyor C.E.; Patravale V.B.	Role of Nanotechnology Against Malaria: Current Perspectives and Strategies	2023	AAPS Advances in the Pharmaceutical Sciences Series	56		197	238
1243	Chavan P.P.; Teli M.D.; Pandit P.	Synthesis and application of pH-responsive polymer for hygienic application in textiles	2023	Functional and Technical Textiles			615	637
1244	Hii C.L.; Shirkole S.S.	Preface	2023	Drying of Herbs, Spices, and Medicinal			xi	

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1247	Gupta S.; Singh P.; Verma P.; Chaudhary M.; Ali S.	Bisphosphonate-based nanocomposite hydrogels for biomedical applications	2023	Functional Nanocomposite Hydrogels: Synthesis, Characterization, and Biomedical Applications			541	557
1248	Shiwankar S.S.; Acharya S.A.; Shirbhate S.	Structural and electrical properties of Gd and W co-doped La2Mo2O9 as electrolyte for IT-SOFCs	2023	Ferroelectrics	617	1	127	133
1249	Kumbhar P.; Kole K.; Manjappa A.; Jha N.K.; Disouza J.; Patravale V.	Drug Repurposing Opportunities in Cancer	2023	Drug Repurposing for Emerging Infectious Diseases and Cancer			53	87
1250	Maity S.; Singha K.; Pandit P.	Functional and Technical Textiles	2023	Functional and Technical Textiles			1	839
1251	Patil H.; Panda A.; Maiti S.; Athalye A.; Adivarekar R.V.	Solvent-based stripping method for dyed cellulosic textiles	2023	Journal of the Textile Institute				
1252	Shaik L.; Chakraborty S.	Sweet lime pomace-peel powder as citrus tea: material balance and extraction kinetics	2023	Biomass Conversion and Biorefinery				
1253	Jangam S.V.; Law C.L.; Shirkole S.S.	Particulate Drying: Techniques and Industry Applications	2023	Particulate Drying: Techniques and Industry Applications			1	190
1254	Dudure R.; Joshi R.; Pritam P.; Panda A.K.; Jadhao M.	Probing the interaction and aggregation of lysozyme in presence of organophosphate pesticides: a comprehensive spectroscopic, calorimetric, and in-silico investigation	2023	Journal of Biomolecular Structure and Dynamics				
1255	Jadhav A.; Annaldewar B.; Jadhav N.	A Brief Overview of Polymer Composites and Nanocomposites	2023	Polymer Nanocomposites: Fabrication to Applications			1	19
1256	Law C.L.; Shirkole S.S.; Jangam S.V.	Miscellaneous Drying Techniques for Particulates	2023	Particulate Drying: Techniques and Industry Applications			169	188
1257	Gogate P.R.; Khaire R.A.	Use of ultrasonic atomization for encapsulation and other processes in food and pharmaceutical manufacturing	2023	Power Ultrasonics: Applications of High-Intensity Ultrasound, Second Edition			773	794
1258	Surve D.H.; Bhide A.; Jindal A.B.; Devarajan P.V.	Nanomedicines for the Treatment of Veterinary Parasitic Infections	2023	AAPS Advances in the Pharmaceutical Sciences Series	56		149	196
1259	Vineeth S.K.; Sreeram P.; Vlad A.; Joy R.; Raghavan P.; Pullanchiyodan A.	Polymer blend nanocomposite electrolytes for advanced energy storage applications	2023	Polymer Blend Nanocomposites for Energy Storage Applications			203	238
1260	Shelar S.; Madankar C.	Synthesis of tea tree oil microcapsules via microencapsulation using novel technique	2023	Journal of Physics: Conference Series	2603	1		

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1262	Shirkole S.S.; Mujumdar A.S.; Raghavan G.S.V.	Drying of foods: principles, practices and new developments	2023	Drying Technology in Food Processing: Unit Operations and Processing Equipment in the Food Industry			3	29
1263	Patravale V.B.; Date A.A.; Jindal A.B.	Preface	2023	AAPS Advances in the Pharmaceutical Sciences Series	56		v	vi
1264	Pise V.H.; Thorat B.N.	Techno-Economic Evaluation for Cost- Effective Drying of Herbs, Spices and Medicinal Plants	2023	Drying of Herbs, Spices, and Medicinal Plants			183	215
1265	Mehta N.; Gaikar V.G.	Revisiting Reaction Network Modeling of Thermal Cracking of Hydrocarbons	2023	Industrial and Engineering Chemistry Research				
1266	Bhardwaj N.; Rathod V.K.	Challenges in recovery and purification of laccases	2023	Bacterial Laccases: Engineering, Immobilization, Heterologous Production, and Industrial Applications			75	101
1267	Garud S.R.; Lamdande A.G.; Gholap S.R.	Regulations on functional foods and nutraceuticals	2023	Industrial Application of Functional Foods, Ingredients and Nutraceuticals: Extraction, Processing and Formulation of Bioactive Compounds			785	823
1268	Gogate P.R.; Pandit A.B.; Bhat A.P.	Design and scale-up of sonochemical reactors for food processing and other applications	2023	Power Ultrasonics: Applications of High-Intensity Ultrasound, Second Edition			639	663
1269	Shirore C.; Kumar A.	Applications of Lua for LaTeX Documents	2023	Proceedings of the Asian Technology Conference in Mathematics			237	246
1270	Pathak S.; Pawar H.S.	Potential of lignin as biofuel substrate	2023	Green Approach to Alternative Fuel for a Sustainable Future			201	222
1271	Chakraborty S.; Das P.P.; Mondal P.	Recent advances in membrane technology for the recovery and reuse of valuable resources	2023	Resource Recovery in Industrial Waste Waters			695	719
1272	Ingle P.U.; Banode K.; Mishra S.; Gade A.K.; Rai M.	Fungi-Mediated Synthesis of Carbon-Based Nanomaterials	2023	Mycosynthesis of Nanomaterials: Perspectives and Challenges			193	214
1273	Gharat P.V.; Bhalekar S.S.; Dalvi V.H.; Panse S.V.; Deshmukh S.P.; Joshi J.B.	Analysis of Several Parabolic Trough Collector Structures Using Finite Element Analysis and Multicriteria Decision-Making Method	2023	Green Energy and Technology			341	354
1274	Shirbhate S.; Badekar T.; Gaikwad V.; Acharya S.	Structural and electrical study of novel Ba3SrNb2O9 triple perovskite based solid electrolyte for LT-SOFCs	2023	Ferroelectrics	617	1	146	156
1275	Borase H.P.; Singhal R.S.; Patil S.V.	Copper oxide nanoparticles exhibit variable response against enzymatic toxicity biomarkers of Moina macrocopa	2023	Environmental Science and Pollution Research				
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1278	Ahmed J.U.; Talukder M.S.; Talukdar A.; Ahmed A.; Rifat A.	Sheba.xyz: Codifying household service solutions using a digital platform	2023	Journal of Information Technology Teaching Cases				
1279	Gargi A.; Singh J.; Rasane P.; Kaur S.; Kaur J.; Mehta C.M.; Gat Y.; Choudhary R.	Phytochemical potential and associated health benefits of Cucurbita flower	2023	Turkish Journal of Agriculture and Forestry	47	2	143	154
1280	Savitha S.; Chakraborty S.; Thorat B.N.	Drying of onion shreds in corrugated electric and solar-conduction dryers: Techno-economic evaluation and quality degradation kinetics	2023	Drying Technology	41	11	1859	1877
1281	Cheke R.S.; Bagwe P.; Bhange S.; Kharkar P.S.	Biologicals and small molecules as target-specific cancer chemotherapeutic agents	2023	Medicinal Chemistry of Chemotherapeutic Agents: a Comprehensive Resource of Anti-infective and Anti-cancer Drugs			615	646
1282	Mukesh B.; Kalpit S.; Jyeshtharaj B.J.; Madhura Y.; Abhishek S.	Advanced thermo-chemical treatment of waste Bambusa Vulgaris for sustainable resource recovery	2023	Materials Research Proceedings	29		192	200
1283	Gandha P.; Surve T.; Kandasubramanian B.	Polycaprolactone as biomaterial	2023	Handbook of Polymers in Medicine			425	443
1284	Gaikwad S.G.; Pathak A.A.; Mote D.R.; Gogate P.R.; Singh S.; Modhera B.	Liquid-liquid equilibria of ternary mixtures containing Aniline + Toluene + water at elevated temperatures: measurements and correlation	2023	Separation Science and Technology (Philadelphia)	58	15-16	2718	2725
1285	Kulkarni M.B.; Gavande V.; Mahanwar P.A.; Shah A.R.; Shuib R.K.; Khare A.M.; Radhakrishnan S.	Review on biomass sheep wool–based polymer composites	2023	Biomass Conversion and Biorefinery				
1286	Annapure U.S.; Kalaivendan R.G.T.; Mishra A.; Eazhumalai G.	Processing Technologies of Nutri- Cereals	2023	Nutri-Cereals: Nutraceutical and Techno-Functional Potential			305	324
1287	Ponugoti S.S.; Vibuthe R.S.; Detke S.J.; Kharkar P.S.; Joshi S.V.	Organocatalyzed ipso hydroxylation of aryl boronic acids in aqueous medium: A metal free approach	2023	Synthetic Communications	53	12	893	906
1288	Patil H.; Chavan N.; Athalye A.	Eco-friendly fluorocarbon-free water repellent for jute	2023	Melliand International	29	6	44	46
1289	Bansode S.H.; Khare P.V.;	Synthesis of PLGA and its Fabrication for the Tissue	2023	Journal of the Textile Association	83	5	325	331

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1291	Nonglait D.L.; Gokhale J.S.	Review Insights on the Demand for Natural Pigments and Their Recovery by Emerging Microwave-Assisted Extraction (MAE)	2023	Food and Bioprocess Technology				
1292	Sequeira R.C.; Godad A.	An update on microRNA as a potential blood-based biomarker for Alzheimer's disease	2023	Nucleus (India)				
1293	Tambe S.; Jain D.; Amin P.; Mali S.N.; Cruz J.N.	Advances in the development of a 3D-printed nutraceutical delivery platform	2023	Nutraceuticals: Sources, Processing Methods, Properties, and Applications			193	222
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1295	Hii C.L.; Shirkole S.S.	Overview of the Global Market for Dried Herbs, Spices, and Medicinal Plants	2023	Drying of Herbs, Spices, and Medicinal Plants			1	9
1296	Ghloam N.; Katkar S.; Mahanwar P.A.; Amberkar T.; Hajare B.; Radhakrishnan S.; Kulkarni M.B.	Effect of cashew nut shell liquid on mechanical, thermal and morphological properties of paddy straw filled phenolic composites	2023	Biomass Conversion and Biorefinery				
1297	Bhattacharjee A.; Chakraborty S.; Mondal P.; Purkait M.K.	Conventional and emerging desalination technologies for the treatment of saline wastewater: performance, reuse, and challenges	2023	Resource Recovery in Industrial Waste Waters			669	693
1298	Jadhav G.; Gaval V.; Solanke S.; Divekar M.; Darade N.; Satpute A.; Goutham G.P.	Weld-lines and its strength evaluation in injection molded parts: A review	2023	Polymer Engineering and Science				
1299	Patel G.; Prudhvi P.V.V.P.; Patra A.; Pathak S.S.; Sonawane A.D.; Shirkole S.S.	Different parameters affecting the efficiency of dryers	2023	Drying Technology in Food Processing: Unit Operations and Processing Equipment in the Food Industry			705	742
1300	Agrawal A.A.; Patravale V.B.	Drug-Eluting Bioresorbable Materials for Cardiovascular Stents	2023	Engineered Biomaterials: Progress and Prospects			337	368
1301	Pete A.M.; Ingle P.U.; Raut R.W.; Shende S.S.; Rai M.; Minkina T.M.; Rajput V.D.; Kalinitchenko V.P.; Gade A.K.	Biogenic Synthesis of Fluorescent Carbon Dots (CDs) and Their Application in Bioimaging of Agricultural Crops	2023	Nanomaterials	13	1		
1302	Gadgil V.R.; Darak A.; Patil S.J.; Chopada A.; Kulkarni	Recent developments in chemistry of sunscreens & their photostabilization	2023	Journal of the Indian Chemical Society	100	2		

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	R.A.; Patil S.M.; Gupta N.A.; Mehta T.N.; Joshi S.V.							
1303	Ganwir P.; Gavali K.; Chaturbhuj G.U.	N-(Phenylsulfonyl)Benzenesulfonamide: A New Organocatalyst for One-Pot, Solvent-Free Synthesis of Biginelli's 3,4-Dihydropyrimidine-2(1H)-Thiones	2023	Polycyclic Aromatic Compounds	43	4	3182	3191
1304	Gaikwad R.P.; Kute A.D.; Gawande M.B.	Strategies for the preparation of nanocatalysts and supports under solvent-free conditions	2023	Solvent-Free Methods in Nanocatalysis: From Catalyst Design to Applications			31	68
1305	Gokhale T.A.; Sarda T.J.; Bhanage B.M.	Sunlight driven rapid and efficient photodegradation of crystal violet using magnesium doped zinc oxide nanostructures	2023	Materials Chemistry and Physics	295			
1306	Mevada J.S.; Rajput Y.N.; Chowdhary S.; Kokane S.; Dias F.; Doke R.B.; Kulkarni R.D.; Pratap A.P.; Pandit A.B.	Large scale strategy for the extraction of oil from sesame seed: scalable approach	2023	Indian Chemical Engineer	65	4	335	351
1307	Gaidhani A.; Mahanwar P.	Conversion of waste polyolefins to polyethylene wax via pyrolysis	2023	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	45	1	2112	2121
1308	Kapale S.S.; Gadkari Y.U.; Chaudhari H.K.	Lipase Catalyzed One-Pot Synthesis of 3-Methyl-4-(Hetero) Arylmethyleneisoxazole-5(4H)-Ones under Aqueous Conditions	2023	Polycyclic Aromatic Compounds	43	6	4856	4865
1309	Gholap A.D.; Said R.P.; Pawar R.D.; Ambore G.S.; Hatvate N.T.	Importance of carbohydrate-drug conjugates in vaccine development: A detailed review	2023	Comprehensive Analytical Chemistry	103		191	256
1310	Gholap A.D.; Bhowmik D.D.; Deshmukh A.Y.; Hatvate N.T.	Quintessential impact of dendrimer bioconjugates in targeted drug delivery	2023	Comprehensive Analytical Chemistry	103		257	302
1311	Nayak A.K.; Zedel H.; Akhtar S.; Fritzsch R.; Aune R.E.	Automated Image Analysis of Metallurgical Grade Samples Reinforced with Machine Learning	2023	Minerals, Metals and Materials Series			890	897
1312	Peerzada Z.; Shah M.D.; Kharkar P.S.; Desai K.B.	Exploration of the inhibitory effect of Cassia fistula on quorum sensing mediated virulence factor production and biofilm activity in Pseudomonas aeruginosa: an in vivo study in model organism Caenorhabditis elegans	2023	Journal of Medical Microbiology	72	2		
1313	Annapoorna R.P.; More P.R.; Arya S.S.	Effect of pressure and time on bioactive content, PPO inactivation, physicochemical and sensory properties of aonla (Emblica officinalis) juice during hydrodynamic cavitation processing	2023	Food Science and Biotechnology	32	1	71	82
1314	Syed T.A.; Ansari K.B.; Banerjee A.; Wood D.A.; Khan M.S.; Al Mesfer M.K.	Machine-learning predictions of caffeine co-crystal formation accompanying experimental and molecular validations	2023	Journal of Food Process Engineering	46	2		

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1315	Patil S.; Rajurkar K.; Patil S.; Pratap A.	Synthesis of guerbet esters and its application in drilling and grinding oil	2023	Tribology International	177			
1316	Puranik A.; Goswami R.; Sutar P.; Tupe D.; Rasam P.; Dandekar P.; Jain R.	Mass spectrometry-based glycoprofiling of biopharmaceuticals by using an automated data processing tool: SimGlycan®	2023	Journal of Separation Science	46	3		
1317	Badgujar K.C.; Badgujar V.C.; Bhanage B.M.	Synthesis of alkyl levulinate as fuel blending agent by catalytic valorization of carbohydrates via alcoholysis: Recent advances and challenges	2023	Catalysis Today	408		9	21
1318	Kumbhar P.; Kolekar K.; Khot C.; Dabhole S.; Salawi A.; Sabei F.Y.; Mohite A.; Kole K.; Mhatre S.; Jha N.K.; Manjappa A.; Singh S.K.; Dua K.; Disouza J.; Patravale V.	Co-crystal nanoarchitectonics as an emerging strategy in attenuating cancer: Fundamentals and applications	2023	Journal of Controlled Release	353		1150	1170
1319	Kotha R.; Rani P.; Robert F.; Thomas C.B.; Chelliah S.K.; Agastinose Ronickom J.F.	Damage monitoring in fibre-reinforced polymer composites using adaptive threshold methods and geometric features	2023	Journal of the Brazilian Society of Mechanical Sciences and Engineering	45	1		
1320	Patil B.; V. Kulkarni A.	Performance of an engineered combination of plunging jet with stirred tank part I: Single impeller system	2023	Chemical Engineering and Processing - Process Intensification	184			
1321	Chinthapudi E.; Basu S.; Thorat B.N.	Preface	2023	Lecture Notes in Mechanical Engineering			v	
1322	Rekulapelli A.; E. Flausino L.; Iyer G.; Balkrishnan R.	Effectiveness of immunological agents in non-small cell lung cancer	2023	Cancer Reports	6	1		
1323	Ranjekar A.M.; Yadav G.D.	Hydrogen production by steam reforming of methanol by Cu-Zn/CeAlO3 perovskite	2023	New Journal of Chemistry	47	10	4860	4870
1324	Gupta V.; Odaneth A.A.; Lali A.M.	High cell density continuous fermentation for L-lactic acid production from cane molasses	2023	Preparative Biochemistry and Biotechnology	53	9	1043	1057
1325	Jain C.; Surabhi P.; Marathe K.	Critical review on the developments in polymer composite materials for biomedical implants	2023	Journal of Biomaterials Science, Polymer Edition	34	7	893	917
1326	Shet H.; Patel M.; Waikar J.M.; More P.M.; Sanghvi Y.S.; Kapdi A.R.	Room-Temperature Dialkylamination of Chloroheteroarenes Using a Cu(II)/PTABS Catalytic System	2023	Chemistry - An Asian Journal	18	1		
1327	Mahajan U.R.; Emmanuel I.; Shrinivasa Rao A.; Mhaske S.T.	Microencapsulation of n-tetradecane with poly (methyl methacrylate-co-methacrylic acid) shell by seeded emulsion polymerisation and its thermal energy storage characteristics	2023	Journal of Microencapsulation	40	2	98	105
1328	Pawar K.; Jayaram R.V.;	The solubilization of diphenyl diselenide in surfactant	2023	Journal of Dispersion Science and	44	7	1126	1132

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	Bhagwat S.S.	solutions		Technology				
1329	Pradhan S.; Madankar C.S.; Prasad L.; Naik S.N.	Synthesis of environmental benign biolubricant from wild castor seed by reactive extraction and optimization	2023	Journal of the Indian Chemical Society	100	2		
1330	Sukhatskiy Y.; Shepida M.; Sozanskyi M.; Znak Z.; Gogate P.R.	Periodate-based advanced oxidation processes for wastewater treatment: A review	2023	Separation and Purification Technology	304			
1331	Kudale P.; Gavali K.; Pinjari D.; Chaturbhuj G.	A new parallel, rapid, and green Knoevenagel condensation catalyzed by in-situ generated carbonic acid (CO2 (g) in water): Application to intermediate of AMG 837	2023	Results in Chemistry	5			
1332	Dutta A.; Kininge M.M.; Priya; Gogate P.R.	Intensification of delignification and subsequent hydrolysis of sustainable waste as banana peels for the HMF production using ultrasonic irradiation	2023	Chemical Engineering and Processing - Process Intensification	183			
1333	Pani A.; Shirkole S.S.; Mujumdar A.S.	Expert reviews for assessment of recent developments and future prospectives of global drying R&D	2023	Drying Technology	41	3	335	338
1334	Ganorkar K.; Samanta A.; Mukherjee S.; Joshi R.; Gupta S.; Sarkar A.; Ghosh S.K.	Switching of the Polarity-Sensitive Aggregation Pattern of a Thiosemicarbazone-Based Anticancer Luminophore and Its Involvement in Cellular Apoptosis of the Human Lung Cancer Cell Line	2023	Journal of Physical Chemistry B	127	1	104	120
1335	Waghmode A.T.; Pandit A.B.; Kale D.M.	Performance and Energy Saving Analysis of Improved Cooking Vessel	2023	Journal of Research and Innovation in Food Science and Technology	11	4	383	396
1336	Nikam P.C.; Rao A.R.; Shertukde V.V.	Effect of polyethylene terephthalate fiber reinforced with non-hydrophilic nano-silica on the mechanical, thermic, and chemical shielding characteristics of saturated polyurethane composite	2023	Journal of Applied Polymer Science	140	3		
1337	Singh P.; Pani A.; Mujumdar A.S.; Shirkole S.S.	New strategies on the application of artificial intelligence in the field of phytoremediation	2023	International Journal of Phytoremediation	25	4	505	523
1338	Katta V.K.M.; Dubey R.S.; Joshi G.M.	Experimental investigation of activated carbon nanoflakes produced by thermal and chemical activation processes	2023	Fullerenes Nanotubes and Carbon Nanostructures	31	1	10	17
1339	Kininge M.M.; Gujar S.K.; Gogate P.R.; Sharma A.; Mishra B.R.; Singh D.	Treatment of methylamine containing wastewater using combined processes based on ultrasound	2023	Journal of Water Process Engineering	51			
1340	Waikar J.; More P.	Oxygen deficient Ce doped CO supported on alumina catalyst for low-temperature CO oxidation in presence of H2O and SO2	2023	Fuel	331			
1341	Ali Siddiqui Z.; Lambud S.; Bhadke A.; Kumar R.; Prajesh N.; Sekar N.; More S.	Unexpected formation of 2-methyl-1H-naphtho [2, 3-d] imidazole via decarboxylation governed mechanistic pathway	2023	Chemical Physics	565			

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1342	Patil A.A.; Kaushik P.; Jain R.D.; Dandekar P.P.	Assessment of Urinary Biomarkers for Infectious Diseases Using Lateral Flow Assays: A Comprehensive Overview	2023	ACS Infectious Diseases	9	1	9	22
1343	Gandhi S.S.; Gogate P.R.; Pakhale V.D.	Intensification of interesterification of sustainable feedstock as mahua oil for biodiesel production	2023	International Journal of Green Energy	20	13	1514	1523
1344	Chakraborty G.; Bondarde M.P.; Ray A.K.; Some S.	Photophysical Modulation of Rhodamine-B via π-π stacking with GQD and Its Further Tuning by Cucurbit[7]uril**	2023	ChemistrySelect	8	1		
1345	Jain D.; Dalvi V.; Mathpati C.; Kant J.	Process Analytical Technology as an enabling tool for scale up of crystallization, filtration, drying and milling	2023	Chemical Engineering Research and Design	190		117	128
1346	Naykodi A.; Patankar S.C.; Thorat B.N.	Alkaliphiles for comprehensive utilization of red mud (bauxite residue)—an alkaline waste from the alumina refinery	2023	Environmental Science and Pollution Research	30	4	9350	9368
1347	Gupta A.R.; Rathod V.K.	Application of Catalysts in Biodiesel Production	2023	Biodiesel Technology and Applications			85	136
1348	Dev M.J.; Warke R.G.; Warke G.M.; Mahajan G.B.; Singhal R.S.	Fluidized bed granulation of gellan gum: Investigations of binder effect on physical, structural and rheological properties	2023	Powder Technology	415			
1349	Chakinala N.; Ranjan P.; Chakinala A.G.; Gogate P.R.	Performance comparison of photocatalysts for degradation of organic pollutants using experimental studies supported with DFT and fundamental characterization	2023	Catalysis Communications	174			
1350	Ruban S.M.; Ramadass K.; Singh G.; Talapaneni S.N.; Kamalakar G.; Gadipelly C.R.; Mannepalli L.K.; Sugi Y.; Vinu A.	Organocatalysis with carbon nitrides	2023	Science and Technology of Advanced Materials	24	1		
1351	Ukarde T.M.; Cyril Harrish A.M.J.; Dalvi V.H.; Pandit A.B.; Pawar H.S.	Investigation of the Liquefaction Kinetics of the PolyE-IL-Catalyzed Catalytic Thermo Liquefaction Process for Organic Biodegradable Municipal Solid Waste	2023	Energy and Fuels	37	1	580	591
1352	Ganjare A.V.; Patwardhan A.W.	CFD Study of Effect of Particles on Flow Patterns and Separation in Settling Tank	2023	Journal of Hydraulic Engineering	149	1		
1353	Humbe S.S.; Joshi G.M.; Deshmukh R.R.	Synergetic Effect of Plasma-Treated Graphene Oxide/Polymer Blends for Electrostatic Dissipative Applications	2023	Physica Status Solidi (A) Applications and Materials Science	220	2		
1354	Basak S.; Chakraborty S.; Singhal R.S.	Revisiting Indian traditional foods-A critical review of the engineering properties and process operations	2023	Food Control	143			
1355	Rana P.; Dixit R.; Sharma S.; Dutta S.; Yadav S.; Arora B.; Kaushik B.; Gawande M.B.; Sharma R.K.	Preparation and characterization of the h-BN/Fe3O4/APTES-AMF/CuII nanocomposite as a new and efficient catalyst for the one-pot three-component synthesis of 2-amino-4-aryl(or heteroaryl)-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carbonitriles	2023	Nanoscale	15	7	3482	3495

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1356	Shevade S.S.; Rustomjee M.T.; Devarajan P.V.	Facile Technology for Extemporaneous Preparation of Long-Acting Injectable Microparticulate Suspensions at the Patient Side	2023	AAPS PharmSciTech	24	2		
1357	Patil H.; Deshmukh I.; Athalye A.	Sustainable process for the pretreatment and dyeing of Eri silk	2023	Journal of the Indian Chemical Society	100	2		
1358	Patil S.; Bapat A.; Madankar C.S.	Synthesis of novel cationic Gemini surfactant and its utilization in fabric softeners	2023	Materials Today: Proceedings	72		834	838
1359	Pradeep S.V.; Kandasubramanian B.; Sidharth S.	A review on recent trends in bio-based pressure sensitive adhesives	2023	Journal of Adhesion	99	14	2145	2166
1360	Deka D.; Annapure U.S.; Shirkole S.S.; Thorat B.N.	Techno-economics of solar assisted drying of small freshwater fish to ensure global nutritional security	2023	Drying Technology	41	7	1214	1228
1361	Desai P.D.; Pawar C.B.; Avhad M.S.; More A.P.	Corrosion inhibitors for carbon steel: A review	2023	Vietnam Journal of Chemistry	61	1	15	42
1362	Basak S.; Chakraborty S.	Effect of high-pressure processing on the kinetic parameters of enzymes	2023	Effect of High-Pressure Technologies on Enzymes: Science and Applications			77	107
1363	Naiker V.E.; Mestry S.; Nirgude T.; Gadgeel A.; Mhaske S.T.	Recent developments in phosphorous-containing bio-based flame-retardant (FR) materials for coatings: an attentive review	2023	Journal of Coatings Technology and Research	20	1	113	139
1364	Narvekar A.; Puranik A.; Kulkarni B.; Jagtap D.; Jain R.; Dandekar P.	FcγRIIIA affinity chromatography complements conventional functional characterization of rituximab	2023	Biotechnology Progress	39	1		
1365	Bellary S.; Patil M.; Mahesh A.; Lali A.	Microbial conversion of lignin rich biomass hydrolysates to medium chain length polyhydroxyalkanoates (mcl-PHA) using Pseudomonas putida KT2440	2023	Preparative Biochemistry and Biotechnology	53	1	54	63
1366	Patra S.; Tamhankar S.; Parmar R.	Mathematical modeling of bubble size distribution in bubble column	2023	Materials Today: Proceedings	72		2637	2642
1367	Chakraborty S.; Mondal R.; Pal S.; Guin A.K.; Roy L.; Paul N.D.	Zn(II)-Catalyzed Selective N-Alkylation of Amines with Alcohols Using Redox Noninnocent Azo-Aromatic Ligand as Electron and Hydrogen Reservoir	2023	Journal of Organic Chemistry	88	2	771	787
1368	Joshi M.; Joshi S.; Khambete M.; Degani M.	Role of calcium dysregulation in Alzheimer's disease and its therapeutic implications	2023	Chemical Biology and Drug Design	101	2	453	468
1369	Holkar C.; Pinjari D.; D'Melo D.; Bhattacharya S.	The effect of asphaltene concentration on polymer modification of bitumen with SBS copolymers	2023	Materials and Structures/Materiaux et Constructions	56	1		
1370	Sharma A.; Ray A.; Singhal R.S.	Co-extraction of turmeric (Curcuma longa L.) and dried coconut shreds by supercritical fluid extraction (SFE):	2023	Journal of Cleaner Production	382			

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1371	Ranjekar A.M.; Yadav G.D.	Rice Husk Ash-Derived Ca-Mg-Modified Silicate as Support for Ni-Co for Hydrogen Production by Sorption-Enhanced Steam Reforming of Bioethanol	2023	Industrial and Engineering Chemistry Research	62	4	1806	1818
1372	Nadekar B.; Khollam Y.B.; Shaikh S.F.; Trimukhe A.; Deshmukh R.; More P.S.; Siddiqui M.U.H.; Rana A.U.H.S.; Palaniswami M.	Plasma-Polymerized Thiophene-Reduced Graphene Oxide Composite Film Sensor for Ammonia/Amine Detection at Room Temperature	2023	Chemosensors	11	1		
1373	Gholap A.D.; Gupta J.S.; Kamandar P.A.; Banchhod G.V.; Hatvate N.T.	Antibody-drug conjugates for cancer therapy: An up-to-date review on the chemistry and pharmacology	2023	Comprehensive Analytical Chemistry	103		105	190
1374	More P.P.; Chavan A.A.; Sharma M.B.; Lali A.M.	Biobased volatile fatty acids (VFA) production via anaerobic acidogenesis of sugar processing industry effluent	2023	Environmental Technology (United Kingdom)	44	8	1179	1189
1375	Bamane P.B.; Jagtap R.N.	Development of a water-based functional additive by using isobornyl acrylate copolymer to improve ink-adhesion on untreated polypropylene surfaces: A comparative approach	2023	International Journal of Adhesion and Adhesives	121			
1376	Dixit A.; Sabnis A.; Balgude D.; Kale S.; Gada A.; Kudu B.; Mehta K.; Kasar S.; Handa D.; Mehta R.; Kshirsagar S.; Singh A.; Dalvi R.; Mishra S.	Synthesis and characterization of citric acid and itaconic acid-based two-pack polyurethane antimicrobial coatings	2023	Polymer Bulletin	80	2	2187	2216
1377	Mawani J.S.; Mali S.N.; Pratap A.P.	Formulation and evaluation of antidandruff shampoo using mannosylerythritol lipid (MEL) as a bio-surfactant	2023	Tenside, Surfactants, Detergents	60	1	44	53
1378	Vasishta A.; Mahale J.S.; Pandey P.H.; Ukarde T.M.; Shinde P.; Pawar H.S.	Membrane Separation: An Advanced Tool for the Development of a Wastewater Treatment Process	2023	Membrane and Membrane-Based Processes for Wastewater Treatment			17	34
1379	Puranik A.; Rasam P.; Dandekar P.; Jain R.	Development and optimization of a LC-MS based multi-attribute method (MAM) workflow for characterization of therapeutic Fc-fusion protein	2023	Analytical Biochemistry	660			
1380	Kapdi A.R.; Arseniyadis S.; Lakshman M.K.	Nucleoside/Nucleotide or Nucleic Acid Modification & Applications	2023	Chemical Record	23	1		
1381	Patil H.; Marathe K.	Studies in synthesis of nano-zinc oxide mixed PVC matrix membrane and its application for ibuprofen drug removal	2023	Journal of Hazardous Materials Advances	9			
1382	Dive A.; Singhal R.; Srivastava S.; Shukre K.; James D.;	Isolation and functional characterization of novel isoprene synthase from Artocarpus heterophyllus (jackfruit)	2023	3 Biotech	13	1		

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1383	Mhatre M.M.; Katariya-Jain A.; Deshmukh R.R.	Improved electro-optical and dielectric properties of polymer dispersed liquid crystal doped with disperse dye red 1 and carbon nanoparticles	2023	Liquid Crystals	50	6	957	976
1384	Kamble P.A.; Vinod C.P.; Rathod V.K.; Kantam M.L.	Hydrogenation of levulinic acid to gamma-valerolactone over nickel supported organoclay catalyst	2023	Catalysis Today	408		36	49
1385	Gokhale T.A.; Gulhane S.C.; Bhanage B.M.	Highly Selective Catalyst-Free Oxidative Synthesis of N-Formamides from C2- and C3-Feedstocks	2023	European Journal of Organic Chemistry	26	1		
1386	Baghel R.S.; Jagtap A.S.; Parab A.S.; Manohar C.S.; Vudamala K.; Reddy C.R.K.	Analysis of post-maturation biochemical changes in the thalli of Phycocalidia vietnamensis (Bangiales) occurring in the wild stock	2023	Biomass Conversion and Biorefinery				
1387	Patra S.C.; Swain S.; Senapati P.; Sahu H.; Murmu R.; Sutar H.	Polypropylene and Graphene Nanocomposites: Effects of Selected 2D-Nanofiller's Plate Sizes on Fundamental Physicochemical Properties	2023	Inventions	8	1		
1388	Vedula S.S.; Yadav G.D.	Synthesis and application of environment friendly membranes of chitosan and chitosan-PTA for removal of copper (II) from wastewater	2023	Indian Chemical Engineer	65	1	51	77
1389	Sarode U.K.; Vaidya P.D.; Kenig E.Y.	Glucosamine for CO2 Capture: Absorption Kinetics, Promoted Absorption Rate, and Comparison with Other Amino Sugars	2023	Industrial and Engineering Chemistry Research	62	3	1492	1498
1390	Bagal M.V.; Suryawanshi M.A.; Shinde S.N.; Pinjari D.V.; Mohod A.V.	Degradation of magenta dye using cavitation-based transducers to glass marble: Lab to semi-pilot scale operations	2023	Water Environment Research	95	1		
1391	Bedade D.; Pawar S.	Downstream processing of biotechnology products	2023	Basic Biotechniques for Bioprocess and Bioentrepreneurship			377	390
1392	Jawale P.V.; Bhanage B.M.	Kinetic and docking study of synthesis of glyceryl monostearate by immobilized lipase in non-aqueous media	2023	Biocatalysis and Biotransformation	41	2	123	132
1393	Shirkole S.S.; Pani A.	A Concise Historical Account of Drying Technology - An International Journal	2023	Drying Technology	41	4	477	479
1394	Joshi R.; Jadhao M.; Ghosh S.K.	Recent trends in the applications of nanocomposites in cancer theranostics	2023	Green Sustainable Process for Chemical and Environmental Engineering and Science: Biomedical Applications of Green Composites			283	320
1395	Pasarkar N.P.; Yadav M.; Mahanwar P.A.	A review on the micro-encapsulation of phase change materials: classification, study of synthesis technique and their applications	2023	Journal of Polymer Research	30	1		
1396	Manikrao Ingle U.; Pawar	Acid-assisted oil extraction directly from thraustochytrids	2023	Bioresource Technology	367			

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	P.R.; Prakash G.	fermentation broth and its energy assessment for docosahexaenoic acid-enriched oil production						
1397	Maurya R.L.; Kumar M.; Sirohi U.; Priya; Chaudhary V.; Sharma V.R.; Yadav D.; Yadav M.K.	Effect of Silver Nitrate and Thidiazuron on Shoot Proliferation, Hyperhydricity and Assessment of Genetic Fidelity of Microplants in Carnation (Dianthus caryophyllus L.)	2023	Cytology and Genetics	57	1	87	94
1398	Chavda V.P.; Valu D.D.; Parikh P.K.; Tiwari N.; Chhipa A.S.; Shukla S.; Patel S.S.; Balar P.C.; Paiva-Santos A.C.; Patravale V.	Conventional and Novel Diagnostic Tools for the Diagnosis of Emerging SARS-CoV-2 Variants	2023	Vaccines	11	2		
1399	Basak S.; Annapure U.S.	Rheological performance of film-forming solutions and barrier properties of films fabricated from cold plasma-treated high methoxyl apple pectin and crosslinked by Ca2+: Impact of plasma treatment voltage	2023	International Journal of Biological Macromolecules	227		938	951
1400	Bharimalla A.K.; Deshmukh S.P.; Patil S.; Nadanathangam V.; Saxena S.	Development of energy efficient nanocellulose production process by enzymatic pretreatment and controlled temperature refining of cotton linters	2023	Cellulose	30	2	833	847
1401	Gholap A.D.; Sayyad S.F.; Hatvate N.T.; Dhumal V.V.; Pardeshi S.R.; Chavda V.P.; Vora L.K.	Drug Delivery Strategies for Avobenzone: A Case Study of Photostabilization	2023	Pharmaceutics	15	3		
1402	Karna N.; Joshi G.M.; Mhaske S.T.	Structure-property relationship of silane-modified polyurethane: A review	2023	Progress in Organic Coatings	176			
1403	Maurya R.; Gohil N.; Nixon S.; Kumar N.; Noronha S.B.; Dhali D.; Trabelsi H.; Alzahrani K.J.; Reshamwala S.M.S.; Awasthi M.K.; Ramakrishna S.; Singh V.	Rewiring of metabolic pathways in yeasts for sustainable production of biofuels	2023	Bioresource Technology	372			
1404	Mestry S.U.; Kalmegh S.; Mhaske S.T.	Mineral Trioxide Aggregates (MTA) in Dentistry: A Review on Chemistry, Synthesis Methods, and Critical Properties	2023	Silicon	15	5	2231	2249
1405	Polu A.R.; Singh P.K.; Siva kumar P.; Joshi G.M.; Ramesh T.; Noor I.M.; Madkhli A.Y.; Kakroo S.	Development of solid polymer electrolytes based on poly (ethylene oxide) complexed with 2-trifluoromethyl-4, 5-dicyanoimidazole lithium salt and 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic	2023	High Performance Polymers	35	1	4	9

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		liquid for Li-ion batteries						
1406	Hazare S.R.; Vala S.V.; Patil C.S.; Joshi A.J.; Joshi J.B.; Vitankar V.S.; Patwardhan A.W.	Correlating Interfacial Area and Volumetric Mass Transfer Coefficient in Bubble Column with the Help of Machine Learning Methods	2023	Industrial and Engineering Chemistry Research	62	5	2104	2123
1407	Kumar C.M.S.; Singh S.; Gupta M.K.; Nimdeo Y.M.; Raushan R.; Deorankar A.V.; Kumar T.M.A.; Rout P.K.; Chanotiya C.S.; Pakhale V.D.; Nannaware A.D.	Solar energy: A promising renewable source for meeting energy demand in Indian agriculture applications	2023	Sustainable Energy Technologies and Assessments	55			
1408	Bagal M.V.; Saini R.R.; Shaikh A.R.I.; Patil S.; Mohod A.V.; Pinjari D.V.	Effect of additives on degradation of poly vinyl alcohol (PVA) using ultrasound and microwave irradiation	2023	International Polymer Processing	38	1	30	41
1409	Patil J.R.; Mahanwar P.A.; Sundaramoorthy E.; Mundhe G.S.	A review of the thermal storage of phase change material, morphology, synthesis methods, characterization, and applications of microencapsulated phase change material	2023	Journal of Polymer Engineering	43	4	354	375
1410	Jadhav A.C.; Jadhav N.C.	Mechanical and thermal properties of waste Abelmoschus manihot fibre-reinforced epoxy composites	2023	Polymer Bulletin	80	2	1699	1727
1411	Sundaramoorthy E.; Mahanwar P.A.; Patil J.; Mundhe G.	Polyolefin fiber, polyolefin fiber reinforced composites and their applications: a review	2023	Journal of Polymer Engineering	43	3	219	230
1412	Singh P.; Ali S.W.; Kale R.D.	Antimicrobial Nanomaterials as Advanced Coatings for Self-Sanitizing of Textile Clothing and Personal Protective Equipment	2023	ACS Omega	8	9	8159	8171
1413	Mahajan V.P.; Kolekar Y.A.; Bhanage B.M.	Magnetically separable Ni/Fe3O4: An efficient catalyst for phenoxy carbonylation of aryl iodides using bifunctional o-chlorophenyl formate as a CO source	2023	Applied Organometallic Chemistry	37	4		
1414	Kaikade D.S.; Sabnis A.S.	Polyurethane foams from vegetable oil-based polyols: a review	2023	Polymer Bulletin	80	3	2239	2261
1415	Hussain M.M.; Gaval V.; Pratap A.; Rukhande S.	Tribological study of sunflower TMP ester and silica nanoparticles additives for hydrodynamic journal bearing application under boundary lubrication condition	2023	Industrial Lubrication and Tribology	75	2	190	196
1416	Bajpai S.; Nemade P.R.	An integrated biorefinery approach for the valorization of water hyacinth towards circular bioeconomy: a review	2023	Environmental Science and Pollution Research	30	14	39494	39536
1417	Paranjape P.; Yadav M.D.	Recent advances in the approaches to recover rare earths and	2023	Canadian Journal of Chemical Engineering	101	2	1043	1054

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		precious metals from E-waste: A mini-review						
1418	Moradiya K.K.; Marathe K.V.	Life cycle assessment (LCA) of marine microalgae cultivation and harvesting process for the Indian context	2023	Sustainable Energy Technologies and Assessments	56			
1419	Shet H.; Sahu R.; Sanghvi Y.S.; Kapdi A.R.	Palladium-Catalyzed Cyanation of Nucleobases: Total Synthesis of Toyocamycin, Sangivamycin, and a Mycalisine A Precursor	2023	Synlett	35	6	654	658
1420	Rathod J.P.; Vira C.; Lali A.M.; Prakash G.	Trehalose phosphate phosphatase overexpression for the mitigation of high-light induced stress in Parachlorella kessleri	2023	Algal Research	72			
1421	Godiyal S.; Laddha K.	Validated high-performance thin-layer chromatographic method for quantification of gallic acid and ellagic acid in fruits of Terminalia chebula, Phyllanthus emblica, and Quercus infectoria	2023	Journal of Separation Science	46	6		
1422	Madankar C.S.; Borde P.; Meshram P.D.	Studies on extraction techniques of bio-hydrogen	2023	Biofuel Extraction Techniques			291	306
1423	Patil P.S.; Gupta P.O.; Ingole G.S.; Sekar N.	Anthrone-Based Carbocyclic Azo Dyes: Synthesis, Dyeing, UV Protection, Anti-microbial Activity and Computational Study	2023	Fibers and Polymers	24	4	1285	1296
1424	Hota S.K.; Panda S.P.; Das S.; Mahapatra S.K.; Roy L.; De Sarkar S.; Murarka S.	Photoinduced Electron Donor-Acceptor Complex-Mediated Radical Cascade Involving N-(Acyloxy)phthalimides: Synthesis of Tetrahydroquinolines	2023	Journal of Organic Chemistry	88	4	2543	2549
1425	Basak S.; Jha T.; Chakraborty S.	Pasteurization of tender coconut water by pulsed light treatment: Microbial safety, enzymatic inactivation, and impact on physicochemical properties	2023	Innovative Food Science and Emerging Technologies	84			
1426	Gujar S.K.; Agarkoti C.; Bhat A.; Gogate P.R.; Sharma A.; Mishra B.R.; Singh D.	Coupled cavitation and AOPs treatment of Primene-JMT containing wastewater	2023	Journal of Environmental Chemical Engineering	11	2		
1427	Pise V.H.; Thorat B.N.	Green steam for sustainable extraction of essential oils using solar steam generator: A techno-economic approach	2023	Energy Nexus	9			
1428	Vedula S.S.; Yadav G.D.	Treatment of wastewater containing alizarin red dye: development and application of magnetic chitosan as a natural eco-friendly material	2023	Clean Technologies and Environmental Policy	25	3	865	878
1429	Tambe S.; Kesari K.K.; Mishra Y.K.; Amin P.; Das S.S.	Long-acting biodegradable implants for osteoporosis management: transforming the landscape of bisphosphonates delivery	2023	Future Medicinal Chemistry	15	9	731	734
1430	Abushahba M.F.; Dadelahi A.S.; Lemoine E.L.; Skyberg J.A.; Vyas S.; Dhoble S.;	Safe Subunit Green Vaccines Confer Robust Immunity and Protection against Mucosal Brucella Infection in Mice	2023	Vaccines	11	3		

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	Ghodake V.; Patravale V.B.; Adamovicz J.J.							
1431	Nagtode V.S.; Cardoza C.; Yasin H.K.A.; Mali S.N.; Tambe S.M.; Roy P.; Singh K.; Goel A.; Amin P.D.; Thorat B.R.; Cruz J.N.; Pratap A.P.	Green Surfactants (Biosurfactants): A Petroleum-Free Substitute for Sustainability–Comparison, Applications, Market, and Future Prospects	2023	ACS Omega	8	13	11674	11699
1432	Bhat M.S.; Arya S.S.	Esterified unpopped foxnut (Euryale ferox) starch: molecular and rheological characterization	2023	Journal of the Science of Food and Agriculture	103	5	2492	2501
1433	Maji S.; Sanu A.K.	Modeling, simulation and mixing time calculation of stirred tank for nanofluids using partially-averaged Navier-Stokes (PANS) ku - εu turbulence model	2023	Basic Sciences for Sustainable Development: Energy, Artificial intelligence, Chemistry, and Materials Science			85	101
1434	Lokhande A.S.; Panchal F.; Munshi R.; Madkaikar M.; Malshe V.C.; Devarajan P.V.	pH-responsive microparticles of rifampicin for augmented intramacrophage uptake and enhanced antitubercular efficacy	2023	International Journal of Pharmaceutics	635			
1435	More N.; Avhad M.; Utekar S.; More A.	Polylactic acid (PLA) membrane—significance, synthesis, and applications: a review	2023	Polymer Bulletin	80	2	1117	1153
1436	Babar S.; Ebenezer K.; Mishra D.; Patil H.B.; Nikam P.; Rao A.R.	Synthesis of castor oil-based glycidyl carbamate polyurethane elastomer and its effect on toughening of polyoxymethylene	2023	Journal of Materials Science	58	16	7209	7226
1437	Badgujar K.C.; Bhanage B.M.	Editorial overview: Ionic liquids as a potential media for sustainable applications	2023	Current Opinion in Green and Sustainable Chemistry	40			
1438	Biswas S.; Akhil S.; Kumar N.; Palabathuni M.; Singh R.; Dutt V.G.V.; Mishra N.	Exploring the Role of Short Chain Acids as Surface Ligands in Photoinduced Charge Transfer Dynamics from CsPbBr3 Perovskite Nanocrystals	2023	Journal of Physical Chemistry Letters	14	7	1910	1917
1439	Savale S.S.; Praneeth V.K.K.; Chaturbhuj G.U.; Bhansali P.R.	Hydrazine: A source of pharmaceutically bioactive drugs	2023	A Review of Hydrazine and Its Applications			1	57
1440	Waghmode A.T.; Pandit A.B.; Kale D.M.; Joshi J.B.; Kokil P.L.	Development and performance analysis of continuous cooking systems	2023	Journal of Food Process Engineering	46	4		
1441	Bhakare M.A.; Lokhande K.D.; Bondarde M.P.; Dhumal P.S.; Some S.	Dual functions of bioinspired, water-based, reusable composite as a highly efficient flame retardant and strong adhesive	2023	Chemical Engineering Journal	454			
1442	Madankar C.S.; Pradhan S.;	Enzymatic Synthesis of Castor Oil Hexyl Ester in Liquid Carbon	2023	Indian Journal of Engineering and Materials	30	2	240	248

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1443	Tibrewal K.; Dandekar P.; Jain R.	Extrusion-based sustainable 3D bioprinting of meat & its analogues: A review	2023	Bioprinting	29			
1444	Ghoderao P.N.P.; Narayan M.; Dalvi V.H.; Byun H.S.	Patel-Teja cubic equation of state – A review of modifications and applications till 2022	2023	Fluid Phase Equilibria	567			
1445	Saldanha M.; Padhye K.; Warke V.G.; Dandekar P.; Jain R.	A feed enrichment strategy targeting the tricarboxylic acid cycle for increasing monoclonal antibody production and alleviating ammonia accumulation in Chinese hamster ovary cell culture	2023	Biochemical Engineering Journal	192			
1446	Ghodake V.; Dhoble S.; Vavilala S.L.; Patravale V.	Anti-biofilm potential against P. aeruginosa biofilm in cystic fibrosis infection by systemically developed garlic extract incorporated liposomal formulation	2023	Journal of Drug Delivery Science and Technology	82			
1447	Chavda V.P.; Pandya A.; Kumar L.; Raval N.; Vora L.K.; Pulakkat S.; Patravale V.; Salwa; Duo Y.; Tang B.Z.	Exosome nanovesicles: A potential carrier for therapeutic delivery	2023	Nano Today	49			
1448	Khan Z.; Sekar N.	Deep Red to NIR Emitting Xanthene Hybrids: Xanthene-Hemicyanine Hybrids and Xanthene-Coumarin Hybrids	2023	ChemistrySelect	8	5		
1449	Jadhav P.S.; Humbe S.S.; Joshi G.M.; Deshmukh R.R.; Kaleemulla S.	Polymer Blend Nanoarchitectonics with Exfoliated Molybdenum Disulphide/Polyvinyl Chloride/Nitrocellulose	2023	Journal of Inorganic and Organometallic Polymers and Materials	33	3	680	693
1450	Jawale P.V.; Bhanage B.M.	Synthesis of decanoate compounds in deep eutectic solvent using lipase: Optimization using response surface methodology, kinetic and docking study	2023	Journal of the Indian Chemical Society	100	3		
1451	Savale S.S.; Talreja N.; Praneeth V.K.K.; Sonkusare S.M.; Chaturbhuj G.U.; Bhansali P.R.	Hydrazine derivatives (pyrazole, pyridazine): A source of pharmaceutically bioactive drugs	2023	A Review of Hydrazine and Its Applications			59	180
1452	Yadav A.; Jha P.A.; Jha P.K.; Jha N.; Singh P.	Overlapping large polaron tunnelling in lanthanum silicate oxyapatite	2023	Journal of Physics Condensed Matter	35	9		
1453	Rane D.V.; Pawar P.P.; Odaneth A.A.; Lali A.M.	Microbial oil production by the oleaginous red yeast, Rhodotorula glutinis NCIM 3168, using corncob hydrolysate	2023	Biomass Conversion and Biorefinery	13	3	1987	1997
1454	Gite V.A.; Rathod V.K.	Synthesis of n-octyl acetate over fly ash cenosphere supported 10-tungsto-2-vanadophosphoric acid (H5PW10V2O40) as a heterogeneous catalyst: Kinetic study	2023	International Journal of Chemical Kinetics	55	4	204	218
1455	Patil S.S.; Rathod V.K.	Extraction and purification of curcuminoids from Curcuma	2023	Process Biochemistry	126		61	71

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		longa using microwave assisted deep eutectic solvent based system and cost estimation						
1456	Kamble K.G.; Laddha K.S.	Extraction, Isolation, and Characterization of Pelargonidin 3,5-O-Diglucoside Salt from Pomegranate Flowers	2023	International Journal of Drug Delivery Technology	13	2	494	500
1457	Pise V.H.; Thorat B.N.	Techno-economics feasibility of supercritical CO2 ambrette seed extraction for optimised parameters obtained using RSM	2023	Journal of Applied Research on Medicinal and Aromatic Plants	35			
1458	Patil B.R.; Hatvate N.T.; Bari A.H.; Pinjari D.V.; Pandit A.B.	Ultrasound-assisted facile and efficient synthesis of novel Benzoxazole derivatives from o-aminocardanol using Indion 190 resin as a reusable catalyst	2023	Journal of Chemical Sciences	135	1		
1459	Kumar M.; Zhang B.; Potkule J.; Sharma K.; Radha; Hano C.; Sheri V.; Chandran D.; Dhumal S.; Dey A.; Rais N.; Senapathy M.; Natta S.; Viswanathan S.; Mohankumar P.; Lorenzo J.M.	Cottonseed Oil: Extraction, Characterization, Health Benefits, Safety Profile, and Application	2023	Food Analytical Methods	16	2	266	280
1460	Balsora H.K.; Kartik S.; Rainey T.J.; Abbas A.; Joshi J.B.; Sharma A.; Chakinala A.G.	Kinetic modelling for thermal decomposition of agricultural residues at different heating rates	2023	Biomass Conversion and Biorefinery	13	4	3281	3295
1461	Rajput Y.N.; Girase C.D.; Kedar R.P.; Deshpande P.S.; Kulkarni R.D.	Microwave-assisted low-cost synthesis of sucrose-soya ester from vegetable oil refinery by-product and its application in toothpaste formulation for oral hygiene	2023	Journal of Surfactants and Detergents	26	2	119	133
1462	Mone D.; Trivedi N.	Marine extremophiles as a source of seaweed polysaccharide hydrolyzing enzymes	2023	Extremophiles: Wastewater and Algal Biorefinery			115	150
1463	Pradhan L.; Maiti S.; Mallick A.; Shahid M.; More S.P.; Adivarekar R.V.	Coating- and lamination-based smart textiles: Techniques, features, and challenges	2023	Smart and Functional Textiles			97	150
1464	Pardeshi S.; Pownthurai B.; Ganesan G.; Keshari H.; Jadhav Y.; Chaskar A.	Selective oxidation of vinylbenzenes & acyloins in the presence of silver catalyst using molecular oxygen as terminal oxidant	2023	Tetrahedron Letters	119			
1465	Patil H.; Mudaliar S.; Athalye A.	Ultrasound-assisted enzymatic scouring of jute optimised by response surface methodology and its natural dyeing	2023	Coloration Technology	139	1	97	108
1466	Pravallika K.; Chakraborty S.; Singhal R.S.	Supercritical drying of food products: An insightful review	2023	Journal of Food Engineering	343			
1467	Pradhan S.; Tari S.; Athalye A.	Breathable Surgical Gloves having Antimicrobial and Thermo-	2023	Journal of the Textile Association	84	1	8	15

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		control Functionality						
1468	Mangukiya M.A.; Bagwe P.V.; Desai A.A.; Joshi S.V.	DEVELOPMENT AND VALIDATION OF STABILITY INDICATING RP-HPLC METHOD FOR DETERMINATION OF RELATED SUBSTANCES AND PURITY OF FAVIPIRAVIR DRUG SUBSTANCE	2023	Indian Drugs	60	3	64	80
1469	Sharma E.; Ralebhat S.; Singh D.; Krishnamurthy G.; Bhagwat S.; Adivarekar R.V.	Studies on Incorporating Infrared Reflecting Minerals into Viscose Fibres	2023	AATCC Journal of Research	10	3	144	152
1470	Sarlin P.J.; Morris S.; Morris S.; Morris S.; Joseph P.; Sherly D.	First report of house crow Corvus splendens removing burning cotton wicks from oil lamps, extinguishing and eating	2023	Avian Biology Research	16	2	75	80
1471	Patil Y.A.; Mehta V.; Jachak M.; Bhise R.; Patel K.; Shankarling G.S.	Facile and rapid synthesis of novel hybrid pigments and their application as colorants in high-performance polymer	2023	Journal of Molecular Structure	1273			
1472	Sharma S.; Shrivastava S.; Kausley S.B.; Rai B.; Pandit A.B.	Coronavirus: a comparative analysis of detection technologies in the wake of emerging variants	2023	Infection	51	1	1	19
1473	Yadav A.; Jha P.A.; Jha P.K.; Jha N.; Singh P.	Influence of ionic radii on the conduction mechanism in lanthanum silicate oxyapatite	2023	Materials Chemistry and Physics	297			
1474	Biranje P.M.; Patwardhan A.W.; Joshi J.B.; Prakash J.; Dasgupta K.	Kinetic study of graphene oxide synthesis by electrochemical exfoliation of graphite	2023	Journal of Industrial and Engineering Chemistry	119		335	345
1475	Mondal S.; Ghosh S.; Pari A.; Bhattacharyya K.; Bhowmick A.R.; Khan M.R.; Mukherjee A.	Unveiling the drivers of nematode community structure and function across rice agroecosystems	2023	Applied Soil Ecology	182			
1476	Phadke A.; Amin P.	Orally Disintegrating Film of High-Dose BCS II Drug by Hot Melt Extrusion through Design of Experiment	2023	Journal of Pharmaceutical Innovation	18	1	247	261
1477	Ray A.; Dubey K.K.; Marathe S.J.; Singhal R.	Supercritical fluid extraction of bioactives from fruit waste and its therapeutic potential	2023	Food Bioscience	52			
1478	Ghosh S.; Bhambri H.; Singh A.K.; Mandal S.K.; Roy L.; Addy P.S.	A convenient route to a vinylogous dicyano aryl based AIEgen with switchable mechanochromic luminescence properties	2023	Chemical Communications	59	30	4463	4466
1479	Jagtiani E.; Sabnis A.S.	Recent advancements of electrospun nanofibers for cancer therapy	2023	Polymer Bulletin	80	2	1215	1242
1480	Kumawat K.L.; Patil H.; Athalye A.	Recycling of waste PET for functionalised textile finishing	2023	Indian Journal of Fibre and Textile Research	48	1	80	84

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1481	Bhise R.S.; Ghorpade P.V.; Mehta V.R.; Shankarling G.S.	Deep Eutectic Solvent-Mediated Oxidative Homocoupling of Terminal Alkynes to 1,3-Diynes under Mild Green Conditions	2023	ChemistrySelect	8	15		
1482	Dudure R.; Ganorkar K.; Beldar V.; Ghosh S.K.; Panda A.K.; Jadhao M.	Effect of artificial sweetener saccharin on lysozyme aggregation: A combined spectroscopic and in silico approach	2023	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	290			
1483	Shukla V.K.; Sharma S.J.; Sekar N.	Effect of bridged spacers and auxiliary acceptors on Dye Sensitized Solar Cell sensitizers: A density functional theory-based investigation	2023	International Journal of Quantum Chemistry	123	7		
1484	Khan Z.S.; Sodhi N.S.; Fayaz S.; Wani S.A.; Bhat M.S.; Mishra H.N.; Bakshi R.A.; Dar B.N.; Dhillon B.	Seabuckthorn seed protein concentrate: a novel seed protein; emulsifying properties as affected by ultrasonication and enzymatic hydrolysis	2023	International Journal of Food Science and Technology	58	3	1621	1630
1485	Khanra P.; Singh A.K.; Roy L.; Das A.	Pathway Complexity in Supramolecular Copolymerization and Blocky Star Copolymers by a Hetero-Seeding Effect	2023	Journal of the American Chemical Society	145	9	5270	5284
1486	Shahane K.; Kshirsagar M.; Tambe S.; Jain D.; Rout S.; Ferreira M.K.M.; Mali S.; Amin P.; Srivastav P.P.; Cruz J.; Lima R.R.	An Updated Review on the Multifaceted Therapeutic Potential of Calendula officinalis L.	2023	Pharmaceuticals	16	4		
1487	Saldanha M.; Shelar A.; Patil V.; Warke V.G.; Dandekar P.; Jain R.	A case study: Correlation of the nutrient composition in Chinese Hamster Ovary cultures with cell growth, antibody titre and quality attributes using multivariate analyses for guiding medium and feed optimization in early upstream process development	2023	Cytotechnology	75	1	77	91
1488	Ghodake V.B.; Khare R.A.; Mhaske S.T.	A SIMPLE APPROACH TOWARDS TUNING MORPHOLOGY OF MICROCRYSTALLINE CELLULOSE	2023	Cellulose Chemistry and Technology	57	05-Jun	475	485
1489	Ramugade S.H.; Nagaiyan S.	Silicone nanomicelle dyeing method on polyester fibre: Comparative evaluation of chemical properties, fastness properties, and DFT	2023	Journal of the Indian Chemical Society	100	4		
1490	Madankar C.S.; Borde P.K.	Review on sophorolipids - A promising microbial bio-surfactant	2023	Tenside, Surfactants, Detergents	60	2	95	105
1491	Jadhav G.; Gaval V.	Comparative study of weld-line strength for unfilled and glass-filled thermoplastic polyamide-6 materials	2023	Polymer Engineering and Science	63	4	1116	1125
1492	Bhalekar S.; Bhagwat A.; Sekar N.	Fluorescent styryl chromophores with rigid (pyrazole) donor and rigid (benzothiophenedioxide) acceptor - Complete density functional theory (DFT), TDDFT and nonlinear optical	2023	Physical Sciences Reviews	8	4	509	534

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1493	Patil A.S.; Ibrahim M.K.; Sathaye S.; Degani M.S.; Pal D.; Checker R.; Sharma D.; Sandur S.K.	Mitochondriotropic Derivative of Ethyl Ferulate, a Dietary Phenylpropanoid, Exhibits Enhanced Cytotoxicity in Cancer Cells via Mitochondrial Superoxide-Mediated Activation of JNK and AKT Signalling	2023	Applied Biochemistry and Biotechnology	195	3	2057	2076
1494	Bamane P.B.; Jagtap R.N.	Development of the hydrophilic additive by suspension copolymerisation of methacrylic acid with isodecyl methacrylate for easy-to-clean coatings	2023	Polymer Bulletin	80	3	3309	3329
1495	Bera S.; Biswas A.; Pal J.; Roy L.; Mondal S.; Samanta R.	Pd(II)-Catalyzed Oxidative Naphthylation of 2-Pyridone through N-H/C-H Activation Using Diarylacetylene as an Uncommon Arylating Agent	2023	Organic Letters	25	11	1952	1957
1496	Kumari S.; Bhende A.; Pandit A.; Rayalu S.	Efficiency enhancement of photovoltaic panel by heat harvesting techniques	2023	Energy for Sustainable Development	73		303	314
1497	Tambe S.; Kumar R.; Amin P.; Mishra M.; Gupta M.; Govarthanan K.; Narasimhan A.K.; Gupta P.K.	Current aspects of organoid technology for biomaterial toxicity analysis	2023	Future Medicinal Chemistry	15	7	579	582
1498	Beldar V.; Laddha K.S.; Dudure R.H.; Fayed M.A.A.; Jadhao M.	An Approach for Developing a Simple and Quick Method for Separation of Asiatic Acid and Asiaticoside Rich Fraction From Centella Asiatica and Simultaneous Determination by Reversed-Phase High-Performance Liquid Chromatography	2023	Yuzuncu Yil University Journal of Agricultural Sciences	33	1	18	28
1499	Bandivadekar P.V.; Gavali K.D.; Chaturbhuj G.U.	Sulfated Polyborate Catalyzed Improved Synthesis of Enamines and Enaminones Based Intermediates of Imatinib, Nilotinib and Ocinaplon**	2023	ChemistrySelect	8	5		
1500	Pahelkar A.R.; Bhadke P.K.; Bhagat S.B.; Telvekar V.N.	Proficient protocol for synthesis of Quinoline and Pyrazole derivatives using greener reagent: Glycerol	2023	Research Journal of Pharmacy and Technology	16	4	1622	1626
1501	Bhosale G.S.; Vaidya P.D.; Joshi J.B.; Patil R.N.	Analysis of Reaction Kinetics of the Ozonation of Phenolic Compounds and Assessment of the Role of Mass Transfer in the Overall Rate	2023	Industrial and Engineering Chemistry Research	62	21	8181	8190
1502	Mehta V.; Boraste D.; Patil Y.; Shankarling G.	Cucurbit[n]uril synthesis using ethan-1, 2-diyl bis (hydrogen sulfate): A greener reaction medium	2023	Journal of Molecular Liquids	380			
1503	Ibrahim M.K.; Nandha S.R.; Patil A.S.; Sathaye S.; Degani M.S.; Kumar B.; Checker R.; Sharma D.; Sandur S.K.	Mitochondria-targeted derivative of pterostilbene, a dietary phytoestrogen, exhibits superior cancer cell cytotoxicity via mitochondrial superoxide mediated induction of autophagy	2023	Advances in Redox Research	8			
1504	Kumar M.; Agarkar H.; Degani	New Schiff Base-Linked Arylazopyrazoles as Reagents for the	2023	Journal of Analytical Chemistry	78	7	866	877

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1505	Ghag S.S.; Gokhale J.S.; Lele S.S.	Effect of chemical pretreatment on quality attributes of the cashew apple	2023	Journal of Food Science	88	6	2353	2367
1506	Joshi S.S.; Dalvi V.H.; Vitankar V.S.; Joshi A.J.; Joshi J.B.	Novel Correlation for Critical Speed for Solid Suspension in Stirred Tanks Developed Using Machine Learning Models Trained on Literature Data	2023	Industrial and Engineering Chemistry Research	62	22	8954	8971
1507	Gharat N.N.; Rathod V.K.	Extraction of ferulic acid from rice bran using NADES-ultrasound-assisted extraction: Kinetics and optimization	2023	Journal of Food Process Engineering	46	6		
1508	Admane S.; Marathe K.	Green synthesis of titanium-dioxide (TiO2) nanoparticles by fenugreek extract	2023	AIP Conference Proceedings	2716			
1509	Cruz J.N.; Oliveira M.S.D.; Cascaes M.; Mali S.N.; Tambe S.; Santos C.B.R.D.; Zoghbi M.D.G.B.; Andrade E.H.D.A.	Variation in the Chemical Composition of Endemic Specimens of Hedychium coronarium J. Koenig from the Amazon and In Silico Investigation of the ADME/Tox Properties of the Major Compounds	2023	Plants	12	14		
1510	Rawate H.D.; Vaidya P.D.	Evaluating CO2-Desorption Performance of Solid Acid Catalysts in CO2-Loaded Aqueous Solutions of N-Ethylethanolamine	2023	Industrial and Engineering Chemistry Research	62	25	9787	9796
1511	Danait-Nabar S.; Singhal R.S.	Investigation into the chemical modification of α-amylase using octenyl succinic anhydride: enzyme characterisation and stability studies	2023	Bioprocess and Biosystems Engineering	46	5	645	664
1512	Vitore J.G.; Pagar S.; Singh N.; Karunakaran B.; Salve S.; Hatvate N.; Rojekar S.; Benival D.	A comprehensive review of nanosuspension loaded microneedles: fabrication methods, applications, and recent developments	2023	Journal of Pharmaceutical Investigation	53	4	475	504
1513	Banakar V.V.; Gogate P.R.; Raha A.; Saurabh	Ultrasound assisted seed preparation and subsequent application for desupersaturation of calcium sulphate as a measure for scaling control	2023	Journal of Environmental Chemical Engineering	11	3		
1514	Doltade S.; Saldanha M.; Patil V.; Dandekar P.; Jain R.	Statistically-aided development of protein A affinity chromatography for enhancing recovery and controlling quality of a monoclonal antibody	2023	Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences	1227			
1515	Eazhumalai G.; Kalaivendan R.G.T.; Annapure U.S.	Effect of atmospheric pin-to-plate cold plasma on oat protein: Structural, chemical, and foaming characteristics	2023	International Journal of Biological Macromolecules	242			
1516	Tambe S.M.; Jain D.D.; Hasmukh Mehta C.; Ashwini T.; Yogendra Nayak U.; Amin P.D.	Hot-melt extruded in situ gelling systems (MeltDrops Technology): Formulation development, in silico modelling and in vivo studies	2023	European Journal of Pharmaceutics and Biopharmaceutics	188		108	124

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1517	Gaware S.; Chatterjee R.; Kapdi A.R.; Dandela R.	Zinc-catalyzed transamidation and esterification of N-benzoyl cytosine via C-N bond cleavage	2023	Organic and Biomolecular Chemistry	21	25	5176	5180
1518	Sahu B.; Deepaksharma D.; Sekar Y.; Bhalla A.; Alia J.P.	The Kinetic Study on Potassium Persulfate Accelerated Fish Oil Oxidation-An Agreeing Conclusion on Chamois Tanning	2023	Journal of the American Leather Chemists Association	118	6	253	262
1519	Navaneetha Pandiyaraj K.; Vasu D.; Raji A.; Ghobeira R.; Saadat Esbah Tabaei P.; De Geyter N.; Morent R.; Ramkumar M.C.; Pichumani M.; Deshmukh R.R.	Combined effects of direct plasma exposure and pre-plasma functionalized metal-doped graphene oxide nanoparticles on wastewater dye degradation	2023	Journal of Industrial and Engineering Chemistry	122		185	199
1520	Chakraborty S.; Parab P.V.	Pulsed light treatment of table grape juice: Influence of matrix pH on microbial and enzyme inactivation kinetics	2023	Food Bioscience	53			
1521	Vishwakarma R.; Vinod C.P.; Rathod V.K.; Kantam M.L.	Imine Oxidation Catalyzed by Zinc Hydroxyapatite: Kinetic Studies	2023	ChemistrySelect	8	17		
1522	Mhaske S.; Chugh K.; Mahajan U.	Types of Polymeric Foams	2023	ACS Symposium Series	1439		25	41
1523	Panda S.; Joshi V.; Shrivastaw V.K.; Das S.; Poddar M.; Bal R.; Bordoloi A.	Enhanced coke-resistant Co-modified Ni/modified alumina catalyst for the bireforming of methane	2023	Catalysis Science and Technology	13	15	4506	4516
1524	Joseph P.; Kundu P.K.	Imine-Linked Porous Organic Polymer Gel and Immobilization of Copper(II): Easy Synthesis and Excellent Catalyst for Huisgen [3+2] Cycloaddition Reactions	2023	ChemistrySelect	8	21		
1525	Ghosh S.; Banerjee S.; Prajapati J.; Mandal J.; Mukherjee A.; Bhattacharyya P.	Pollution and health risk assessment of mine tailings contaminated soils in India from toxic elements with statistical approaches	2023	Chemosphere	324			
1526	Vishwakarma R.; Vinod C.P.; Rathod V.; Kantam M.L.	Wadsworth-Emmons Reaction by Using the Fluorapatite Catalyst: Kinetic Studies	2023	Industrial and Engineering Chemistry Research	62	20	7901	7911
1527	Devi E.; Kalaivendan R.G.T.; Eazhumalai G.; Annapure U.S.	Impact of atmospheric pressure pin-to-plate cold plasma on the functionality of arrowroot starch	2023	Journal of Agriculture and Food Research	12			
1528	Burai S.; Waghmare S.; Chatterjee A.; Purkayastha P.; Mondal S.	Chiroptical Effect in Charge Transfer Processes in Chiral Carbon Dot-Doped Biopolymers: Application Toward Developing Chiral Electrodes	2023	Journal of Physical Chemistry C	127	24	11730	11735
1529	Jahagirdar D.; Jain R.; Dandekar P.	In vitro triple culture model of retinoblastoma for pre-clinical investigations	2023	Biotechnology Journal	18	5		
1530	Yadav M.; Pasarkar N.;	A review on microencapsulation, thermal energy storage	2023	Polymer Bulletin	80	6	5897	5927

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	Naikwadi A.; Mahanwar P.	applications, thermal conductivity and modification of polymeric phase change material for thermal energy storage applications						
1531	Gavali K.D.; Kudale P.R.; Chaturbhuj G.U.	Piperidinium borate catalyzed Knoevenagel condensation of carbonyl compounds with active methylenes	2023	Tetrahedron Letters	123			
1532	Shah D.S.; Moravkar K.K.; Jha D.K.; Lonkar V.; Amin P.D.; Chalikwar S.S.	A concise summary of powder processing methodologies for flow enhancement	2023	Heliyon	9	6		
1533	Maity D.; Tade R.; Sabnis A.S.	Development of bio-based polyester-urethane-acrylate (PUA) from citric acid for UV-curable coatings	2023	Journal of Coatings Technology and Research	20	3	1083	1097
1534	Chaturvedi D.; Paranjape S.; Jain R.; Dandekar P.	Disease-related biomarkers as experimental endpoints in 3D skin culture models	2023	Cytotechnology	75	3	165	193
1535	Tambe S.M.; Mali S.; Amin P.D.; Oliveira M.	Neuroprotective potential of cannabidiol: Molecular mechanisms and clinical implications	2023	Journal of Integrative Medicine	21	3	236	244
1536	Panda S.P.; Hota S.K.; Dash R.; Roy L.; Murarka S.	Photodecarboxylative C-H Alkylation of Azauracils with N-(Acyloxy)phthalimides	2023	Organic Letters	25	20	3739	3744
1537	Thite A.G.; Kale R.D.; Panda P.K.; More D.M.	Up-scaling of cellulose acetate electrospun nanofibers with a needleless wire spinneret technique	2023	Cellulose	30	8	4873	4888
1538	Chakravarty R.; Rohra N.; Jadhav S.; Sarma H.D.; Jain R.; Chakraborty S.	Biochemical separation of Cetuximab-Fab from papain-digested antibody fragments and radiolabeling with 64Cu for potential use in radioimmunotheranostics	2023	Applied Radiation and Isotopes	196			
1539	Patil N.G.; Chaudhari S.S.; Mahanwar P.A.	Microencapsulation of polymeric phase change materials (MPCM) for thermal energy storage in industrial coating applications	2023	Journal of Polymer Engineering	43	5	419	442
1540	Pawar C.; Mahajan D.; Bind R.; Jadhao D.; Desai P.; Bagde H.; More A.	Development of Mixed Metal Oxides–Conductive Polymer Composites for an Anticorrosive Application	2023	Arabian Journal for Science and Engineering	48	6	7841	7854
1541	Mohan S.; Upreti N.; Vaidya P.D.	Improved CO2 Separation Using Aqueous Solutions of 2-Amino-2-hydroxymethyl-1,3-propanediol Promoted with Piperazine	2023	Energy and Fuels	37	9	6651	6660
1542	Tehare K.K.; Bhadke P.K.; Bhande S.S.; Navale S.T.	Effect of acidic treatment on DSSC performance of TiO2 nanostructures	2023	Applied Physics A: Materials Science and Processing	129	6		
1543	Bondarde M.P.; Lokhande K.D.; Bhakare M.A.; Dhumal P.S.; Some S.	Oxidative degradation of organic pollutants using reusable catalyst	2023	Applied Nanoscience (Switzerland)	13	6	4407	4414
1544	Ahlawat A.; Basak S.;	Formulation of a probiotic buttermilk powder using cell	2023	International Dairy Journal	141			

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	Ananthanarayan L.	protectants by spray drying and estimation of its shelf-stability						
1545	Bondarde M.P.; Lokhande K.D.; Bhakare M.A.; Dhumal P.S.; Some S.	Development and demonstration of highly potent flame-retardant cotton fabric	2023	Reaction Chemistry and Engineering	8	10	2466	2472
1546	Dey A.; Korde S.; Gogate P.R.; Agarkoti C.	Sonochemical synthesis of Ce-TiO2 nanocatalyst and subsequent application for treatment of real textile industry effluent	2023	Ultrasonics Sonochemistry	96			
1547	Phadke A.V.; Amin P.D.	ORODISPERSIBLE FILM FABRICATION BY HOT MELT EXTRUSION FOR DENTAL PAIN AMELIORATION BY QUALITY BY DESIGN APPROACH	2023	Indian Drugs	60	7	23	32
1548	Barkule A.B.; Gadkari Y.U.; Salim S.S.; Lomte S.B.; Telvekar V.N.	Guanidine Hydrochloride Catalyzed One-Pot Multi-Component Synthesis of Pyrazolopyranopyrimidine	2023	ChemistrySelect	8	21		
1549	Dabade A.; Kahar S.; Acharjee A.; Bhushette P.; Annapure U.	Effect of atmospheric pressure non-thermal pin to plate cold plasma on structural and functional properties of soy protein isolate	2023	Journal of Agriculture and Food Research	12			
1550	Niveditha N.V.; Jadhav H.B.; Ahlawat A.; Kalaivendan R.G.T.; Annapure U.S.	Effect of cold plasma processing on physicochemical characteristics and thermal properties of palm oil	2023	Future Foods	7			
1551	Sanjanwala D.; Patravale V.	Aptamers and nanobodies as alternatives to antibodies for ligand-targeted drug delivery in cancer	2023	Drug Discovery Today	28	5		
1552	Talegaonkar S.; Chitlangia A.; Pradhan V.; More S.; Salunke S.	Uncovering caregiver concerns: 5 key issues that still remain unresolved in administration of oral medicines for children in India	2023	European Journal of Pharmaceutics and Biopharmaceutics	187		166	174
1553	Mahajan U.R.; Emmanuel I.; Rao A.S.; Mhaske S.T.	Development of rigid polyurethane foam incorporating phase change material for a low-temperature thermal energy storage application	2023	Polymer International	72	5	490	499
1554	Shukla V.K.; Chakraborty G.; Ray A.K.; Nagaiyan S.	Red and NIR emitting ring-fused BODIPY/aza-BODIPY dyes	2023	Dyes and Pigments	215			
1555	Agarkoti C.; Gujar S.K.; Gogate P.R.; Pandit A.B.	Pilot scale degradation of Sulfamerazine using different venturi based hydrodynamic cavitation and ultrasound reactors in combination with oxidation processes	2023	Journal of Environmental Chemical Engineering	11	3		
1556	Rathnakumar K.; Kalaivendan R.G.T.; Eazhumalai G.; Raja Charles A.P.; Verma P.; Rustagi S.; Bharti S.;	Applications of ultrasonication on food enzyme inactivation-recent review report (2017–2022)	2023	Ultrasonics Sonochemistry	96			

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	Kothakota A.; Siddiqui S.A.; Manuel Lorenzo J.; Pandiselvam R.							
1557	Gadhave R.V.	Synthesis and characterization of starch-stabilized polyvinyl acetate-N-methylol acrylamide polymer-based wood adhesive	2023	Journal of the Indian Academy of Wood Science	20	1	51	61
1558	Savani P.; Puthiyedath A.; Chandran K R.; George S.; Prasad P.S.; Annapure U.S.	Evaluation of the sensory properties and antioxidant activity of clean rosemary extracts for an effective replacement of EDTA in Mayonnaise	2023	Applied Food Research	3	1		
1559	Lokolkar M.S.; Bhanage B.M.	Palladium-Catalyzed Carbonylative Homocoupling of 2-Iodophenols for the Synthesis of Symmetrical Xanthones	2023	Synlett	34	19	2329	2335
1560	Narwade J.D.; Odaneth A.A.; Lele S.S.	Solid-state fermentation in an earthen vessel: Trichoderma viride spore-based biopesticide production using corn cobs	2023	Fungal Biology	127	07-Aug	1146	1156
1561	Sowmya R.S.; Warke V.G.; Mahajan G.B.; Annapure U.S.	Effect of amino acids on growth, elemental content, functional groups, and essential oils composition on hydroponically cultivated coriander under different conditions	2023	Industrial Crops and Products	197			
1562	Chauhan S.M.; Bhanage B.M.	Metal-free synthesis of quinazolinone from 2-amino benzonitrile in the presence of formic acid as a C1 source	2023	Tetrahedron Letters	121			
1563	Gaware S.; Chatterjee R.; Kapdi A.R.; Dandela R.	Copper-catalysed chemoselective C-OH bond activation of N-benzoyl cytosine: facile access to 2-(dimethylamino)pyrimidine	2023	Organic and Biomolecular Chemistry	21	29	5944	5948
1564	Hakeem I.G.; Sharma A.; Sharma T.; Sharma A.; Joshi J.B.; Shah K.; Ball A.S.; Surapaneni A.	Techno-economic analysis of biochemical conversion of biomass to biofuels and platform chemicals	2023	Biofuels, Bioproducts and Biorefining	17	3	718	750
1565	Bhanushali H.; Mestry S.; Mhaske S.T.	Castor oil-based UV-curable polyurethane acrylate resins for digital light processing (DLP) 3D printing technology	2023	Journal of Applied Polymer Science	140	18		
1566	Joshi S.; Joshi R.; Jadhao M.	Fluoride Induced Dual Mode Moisture Detection in Organic Solvents, Food, and Agricultural Materials using Benzothiazole Based Azo Dye Sensor	2023	ChemistrySelect	8	23		
1567	Desai S.M.; Sonawane R.Y.; More A.P.	Thermoplastic polyurethane for three-dimensional printing applications: A review	2023	Polymers for Advanced Technologies	34	7	2061	2082
1568	Bhanushali S.; Srivats D.S.; Mishra P.; More A.P.	Silica/coconut shell charcoal/high-density polyethylene/linear low-density polyethylene composites	2023	Iranian Polymer Journal (English Edition)	32	5	571	584
1569	Uthale A.; Anantram A.; Sulkshane P.; Degani M.; Teni T.	Identification of bicyclic compounds that act as dual inhibitors of Bcl-2 and Mcl-1	2023	Molecular Diversity	27	3	1359	1374

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1570	Tripathi A.; Jain R.; Dandekar P.	Rapid visual detection of Mycobacterium tuberculosis DNA using gold nanoparticles	2023	Analytical Methods	15	20	2497	2504
1571	Shaik L.; Chakraborty S.	Ultrasound processing of sweet lime juice: Effect of matrix pH on microbial inactivation, enzyme stability, and bioactive retention	2023	Journal of Food Process Engineering	46	6		
1572	Yadav M.D.; Joshi H.M.; Sawant S.V.; Dasgupta K.; Patwardhan A.W.; Joshi J.B.	Advances in the application of carbon nanotubes as catalyst support for hydrogenation reactions	2023	Chemical Engineering Science	272			
1573	Banakar V.V.; Gogate P.R.; Raha A.; Saurabh; Adak A.K.	Studies on application of indirect mode of ultrasound for feed brine pretreatment as fouling/scaling mitigation on heat exchanger surface	2023	Chemical Engineering and Processing - Process Intensification	187			
1574	Gurram S.; Jha D.K.; Shah D.S.; Amin P.D.; Moravkar K.K.; Pardeshi C.V.	Nanomaterials toxicology: An overview	2023	Nanomaterial-Based Drug Delivery Systems: Therapeutic and Theranostic Applications			327	368
1575	Khaladkar S.; Gund G.; Maurya O.; Sinha B.; Salame P.; Dubal D.; Deshmukh R.; Kalekar A.	Interface Engineering of Nickel Selenide and Graphene Nanocomposite for Hybrid Supercapacitor	2023	Advanced Energy and Sustainability Research	4	7		
1576	Halde P.; Deotale S.; Pawar V.N.; Annapure U.; Devkate A.; Chavan Y.	Application of microwave treatment for reduction of microbial load in jaggery cubes	2023	Journal of Food Science and Technology	60	5	1513	1520
1577	Ray A.; Sharma A.; Singhal R.S.	Porous hydrogel composite with whey protein isolate and galactomannans of Leucaena leucocephala (subabul) seeds: Stability, rheological, thermal, and morphological characterization	2023	Journal of Food Science	88	5	2104	2129
1578	Khairnar S.; Sonawane A.; Cheke R.S.; Kharkar P.S.; Gaikwad V.; Patil S.; Aware V.	Hit discovery of novel 2-phenyl-substituted 4-amino–6,7-dihydro-5H-cyclopenta[d]pyrimidines as potential anti-glioblastoma therapeutics: Design, synthesis, biological evaluation, and computational screening	2023	Drug Development Research	84	3	561	578
1579	Pawar C.B.; Desai P.D.; Bagde H.N.; More A.P.	Designing of Layered Double Hydroxides (LDHs)–Conductive Polymer Composites for Epoxy-Based Anticorrosive Coatings	2023	Arabian Journal for Science and Engineering	48	6	7739	7753
1580	Bhalerao S.; Chaudhari H.	Mild method for conversion of N-Alkoxyamides to esters using N-Chloro-N-(phenylsulfonyl)benzenesulfonamide	2023	Tetrahedron Letters	123			
1581	Jaleh B.; Moradi A.; Eslamipanah M.; Khazalpour S.; Tahzibi H.; Azizian S.;	Laser-assisted synthesis of Au NPs on MgO/chitosan: Applications in electrochemical hydrogen storage	2023	Journal of Magnesium and Alloys	11	6	2072	2083

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	Gawande M.B.							
1582	Kakku S.; Naidu S.; Bhatt M.; Chakinala A.G.; Joshi J.; Gautam S.; Mohanty K.; Kataria G.; Sharma A.	Pyrolytic conversion of agricultural residue using continuous auger reactor for resource recovery	2023	Journal of Analytical and Applied Pyrolysis	171			
1583	Biranje S.S.; Shi Y.; Sun J.; Cheng L.; Jiao H.; Lu X.; Sethupathy S.; Wang Q.; Adivarekar R.V.; Liu J.	Cellulose nanofibril/polylysine-based 3D composite antibacterial scaffold for wound healing applications	2023	Cellulose	30	8	5289	5306
1584	Shekarappa G S.; Mahapatra S.; Raj S.	A novel meta-heuristic approach for optimal RPP using series compensated FACTS controller	2023	Intelligent Systems with Applications	18			
1585	Wakekar S.; Tiwari A.; Chaskar J.; Chaskar A.	Protein nanotubes as drug delivery systems: an overview	2023	Journal of Nanoparticle Research	25	7		
1586	Naiker V.E.; Phalak G.A.; Patil D.A.; More A.P.; Mhaske S.T.	Synthesis of phosphorous-containing bio-based curing agent for flame retardant epoxy resin system	2023	Journal of Coatings Technology and Research	20	4	1325	1341
1587	Jadhav N.C.; Jadhav A.C.	Synthesis of acrylate epoxidized rice bran oil (AERBO) and its modification using styrene & Shellac to study its properties as a composite material	2023	Polymer Bulletin	80	5	5023	5045
1588	Purushottam S.; Kumar A.; Ganesh C.	Assay of iodine monochloride via iodination of 2-chloroaniline using reversed-phase liquid chromatography	2023	Separation Science Plus	6	5		
1589	Kaur P.; Annapure U.S.	Effects of pin-to-plate atmospheric cold plasma for modification of pearl millet (Pennisetum glaucum) starch	2023	Food Research International	169			
1590	Kaur J.; Gulati M.; Pal Kaur I.; Patravale V.; Dua K.; Kumar Singh S.	Polymeric micelles as potent islet amyloid inhibitors: Current advances and future perspectives	2023	Drug Discovery Today	28	5		
1591	Kalaivendan R.G.T.; Eazhumalai G.; Annapure U.S.	Impact of pin-to-plate cold plasma depolymerization on the gelation and functional attributes of guar galactomannan	2023	Journal of Food Process Engineering	46	7		
1592	Agarkoti C.; Chaturvedi A.; Gogate P.R.; Pandit A.B.	Degradation of sulfamerazine using ultrasonic horn and pilot scale US reactor in combination with different oxidation approaches	2023	Separation and Purification Technology	312			
1593	Mahakal P.A.; Rangwala H.T.; Patwardhan A.W.	Drop size distribution in batch stirred tank at high organic to aqueous phase ratios	2023	Chemical Engineering Research and Design	193		843	861
1594	Basak S.	The potential of pulsed magnetic field to achieve microbial inactivation and enzymatic stability in foods: A concise critical review	2023	Future Foods	7			
1595	Ingavale S.; Marbaniang P.;	Decoration of boron nanoparticles on a graphene sheet for	2023	Nanoscale	15	27	11497	11505

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	Palabathuni M.; Kale V.N.; Mishra N.	ammonia production from nitrate						
1596	De R.; Jo K.W.; Lee B.H.; Some S.; Kim K.-T.	Microwave-assisted rapid synthesis of nitrogen-enriched amphibious carbon quantum dots for sensitive detection of ROS and multiple other applications	2023	Journal of Materials Chemistry B	11	26	6024	6043
1597	Kumaran A.; Bhagwat A.; Jain R.; Dandekar P.	Comparison between carbohydrate and salt-based macromolecular crowders for cell preservation at higher temperatures	2023	3 Biotech	13	6		
1598	Moniruzzaman M.; Datta U.; Saha N.C.; Bhowmick A.R.; Mukherjee J.	Abiotic factors and heavy metals defining eco-physiological niche in fish	2023	Science of the Total Environment	874			
1599	Joshi B.; Devarajan P.V.	FEASIBILITY OF ZEBRAFISH LARVA MODEL AS A VIABLE SUBSTITUTE TO RAT NON-EVERTED SAC MODEL FOR PERMEATION EVALUATION OF BCS III DRUGS	2023	Indian Drugs	60	7	70	79
1600	Sayyad U.S.; Burai S.; Bhatt H.; Ghosh H.N.; Mondal S.	Efficient Charge Transfer in the Perovskite Quantum Dot-Hemin Biocomposite: Is This Effective for Optoelectronic Applications?	2023	Journal of Physical Chemistry Letters	14	23	5397	5402
1601	Sahoo P.; Chakraborty S.	Influence of Pulsed Light, Ultrasound, and Series Treatments on Quality Attributes, Pectin Methyl Esterase, and Native Flora Inactivation in Sweet Orange Juice (Citrus sinensis L. Osbeck)	2023	Food and Bioprocess Technology	16	9	2095	2112
1602	Dayalan P.; Mahanwar P.A.	Effect of nano silica on mechanical and water absorption properties of basalt/polyester hybrid composite with glass/hemp	2023	Journal of Polymer Research	30	9		
1603	More K.S.; Dalal B.; Shankarkumar A.; Devarajan P.V.	ANTICANCER ACTIVITY OF VITAMIN D3–TAMOXIFEN COMBINATION MICROEMULSION ON MCF-7 BREAST CELL LINE AND ITS SYNERGISTIC EFFECT	2023	Indian Drugs	60	8	87	97
1604	Datar S.D.; Mane R.S.; Kumar N.; Sawant V.; Malpure S.; Jha N.	Effective removal of heavy metal-lead and inorganic salts by microporous carbon derived from Zeolitic Imidazolate Framework-67 electrode using capacitive deionization	2023	Desalination	558			
1605	Gupta A.K.; Pratiksha; Das T.; Kumar H.; Rastogi S.; Espinosa E.; Rincón E.; Morcillo-Martín R.; Rather M.A.; Kumar V.; Naik B.; Makroo H.A.; Xiao H.-W.;	Novel food materials: Fundamentals and applications in sustainable food systems for food processing and safety	2023	Food Bioscience	55			

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	Ranjan R.; Mishra S.							
1606	Sabde S.; Yadav G.D.; Narayan R.	Conversion of waste into wealth in chemical recycling of polymers: Hydrolytic depolymerization of polyethylene terephthalate into terephthalic acid and ethylene glycol using phase transfer catalysis	2023	Journal of Cleaner Production	420			
1607	Patil H.; Athalye A.	Faux leather: Man-made method of harmless fashion	2023	Man-Made Textiles in India	51	8	259	262
1608	Lakkakula J.; Divakaran D.; Srivastava R.; Ingle P.; Gade A.; Raut R.	In Situ Growth of Biocompatible Biogenic Silver Nanoparticles in Poly-Vinyl Alcohol Thin Film Matrix	2023	IEEE Transactions on Nanobioscience	22	3	480	486
1609	Mapari S.; Mestry S.; Mhaske S.T.	Development of cardanol-derived epoxidized and Si-modified pressure-sensitive adhesives (PSAs)	2023	International Journal of Adhesion and Adhesives	126			
1610	Sohale A.P.; Janardanan S.; Yadav D.; Dash B.; Yadav M.D.	Dark Fermentative Biohydrogen Production: Recent Advances and Challenges	2023	Industrial and Engineering Chemistry Research	62	37	14755	14771
1611	Mahajan D.; Srivats D.S.; More A.	Synthesis of vanillin-based UV curable polyurethane dispersions for wood coating applications	2023	Journal of Coatings Technology and Research	20	5	1773	1788
1612	Datar S.D.; Kumar N.; Sawant V.; Shaikh N.; Jha N.	Solar reduced graphene oxide decorated with manganese dioxide nanostructures for brackish water desalination using asymmetric capacitive deionization	2023	Physical Chemistry Chemical Physics	25	44	30381	30390
1613	Chaturvedi S.; Chakraborty S.	Evaluation of quality attributes and in vitro characteristics of synbiotic legume-based beverage during storage	2023	Food Bioscience	55			
1614	Dhande C.; Mistry D.; Karthic A.; Singh R.; Barage S.	Computational approaches to identify novel inhibitors for the drug-resistant Mycobacterium tuberculosis DprE1 enzyme	2023	Indonesian Journal of Biotechnology	28	3	180	190
1615	Sharma S.J.; Aswathy P.; I Joe H.; Sekar N.	Effect of donor and π-spacer for non-linear optical property: Synthesis, photophysical studies, and Z-scan analysis	2023	Journal of Molecular Liquids	385			
1616	Gharat P.V.; Bhalekar S.S.; Biswas D.; Dalvi V.H.; Shenoy N.V.; Panse S.V.; Deshmukh S.P.; Joshi J.B.	Harvest of the Sun: A cost effective solar thermal technology to simultaneously provide affordable energy and generate mass employment in developing Sun-belt regions	2023	Journal of Advanced Manufacturing and Processing	5	4		
1617	Lokolkar M.S.; Pal M.K.; Dey S.; Bhanage B.M.	POP-Pincer Xantphos Pd Complex of 4-Pyridylthiolate: Cyclocarbonylative Reaction for the Synthesis of Flavones Using Cobalt Carbonyl as a C1 Source	2023	Catalysis Letters	153	8	2359	2367
1618	Paraskar P.M.; Major I.; Ladole M.R.; Doke R.B.; Patil N.R.; Kulkarni R.D.	Dimer fatty acid – A renewable building block for high-performance polymeric materials	2023	Industrial Crops and Products	200			
1619	Ray A.; Singhal R.S.	Hydrogel formulation based on galactomannan from residual	2023	Food Bioscience	55			

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		spent coffee ground confers bioactivities and viscosifying properties in milkshake						
1620	Kumari S.; Pandit A.; Bhende A.; Rayalu S.	Correction to: Thermal Management of Solar Panels for Overall Efficiency Enhancement Using Different Cooling Techniques (International Journal of Environmental Research, (2022), 16, 4, (53), 10.1007/s41742-022-00431-8)	2023	International Journal of Environmental Research	17	5		
1621	Jadhav H.B.; Annapure U.S.	Triglycerides of medium-chain fatty acids: a concise review	2023	Journal of Food Science and Technology	60	8	2143	2152
1622	Haramkar S.S.; Thorat B.N.; Jadhav S.V.	A Study on Controlling Losses of P2O5 from Phosphoric Acid Plant Using Pressure Filtration	2023	Mining, Metallurgy and Exploration	40	5	1719	1727
1623	Maity D.; Sabnis A.S.	Anhydride-cured epoxidized dehydrated castor oil (EDCO) containing organically modified zinc oxide (ZnO) nanoparticles	2023	Journal of Industrial and Engineering Chemistry	123		459	475
1624	Pegu K.; More P.; Arya S.S.	Application of different orifices for hydrodynamic cavitational effects on deactivation of Escherichia coli and Staphylococcus aureus in milk	2023	Food and Bioproducts Processing	141		49	59
1625	Khuntia R.; Mahapatra S.K.; Roy L.; Chandra Pan S.	Structurally divergent enantioselective synthesis of benzofuran fused azocine derivatives and spiro-cyclopentanone benzofurans enabled by sequential catalysis	2023	Chemical Science	14	39	10768	10776
1626	Yadav S.; Chaturvedi A.R.; Gaikwad G.; Ananthasivan K.; Pandit A.B.; Jain R.D.	Fabrication of CeO2 microspheres by internal gelation process using flow-focusing droplet generator	2023	Canadian Journal of Chemical Engineering	101	8	4493	4505
1627	Parab A.A.; Karpe A.S.; Tiwari A.; Pattanaik A.; Jadhav Y.; Walke P.; Chaskar A.	Eco-friendly and Efficient Synthesis of Water-soluble MoS2 Quantum Dot Probe for Smart Explosive Sensors	2023	ChemistrySelect	8	29		
1628	Singh R.G.; Yadav G.D.	Highly selective esterification of bioderived itaconic acid to monobutyl itaconate: kinetic analysis of a reusable 20% (w/w) Rb0.5Cs2.0H0.5PW12O40/MCF catalyst system	2023	New Journal of Chemistry	47	40	18577	18590
1629	Upadhaya P.; Panwar Hazari P.; Mishra A.K.; Dutta B.; Hassan P.; Patravale V.	Nose to brain delivery of radiolabeled chemotherapeutic micelles: Meeting the unmet needs of brain tumors	2023	Journal of Drug Delivery Science and Technology	86			
1630	Patrascu M.; Vilé G.; Xiong Q.; Bracconi M.; Pinjari D.V.; Coppens M.-O.	Editorial: Voices of the next generation of process intensification	2023	Chemical Engineering and Processing - Process Intensification	191			
1631	Yadav A.K.; Vaidya P.D.	A review on butanol steam reforming for renewable hydrogen production	2023	Journal of the Indian Chemical Society	100	8		
1632	Abidi S.; Talegaonkar S.; Notani S.; Pradhan V.;	Stepping into small shoes: Gaining user perspective on appropriate administration devices for paediatric medication	2023	European Journal of Pharmaceutics and Biopharmaceutics	191		247	258

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1633	Kohli K.; Ghosh P.; Joshi V.A.; Yadav P.; Tripathi D.; Singh R.; Maity S.K.; Srivastava M.	Process for Producing High-Value Aromatics from Light Cycle Oil Using a Solvent Extraction Method	2023	Energy and Fuels	37	17	12811	12823
1634	Goswami A.D.; Shinde D.G.; Singh S.; Jadhav A.J.; Pinjari D.V.	Enhancing the hydrophobicity of the mineral wool through surface modification with organo-silane	2023	Journal of the Indian Chemical Society	100	10		
1635	Jadhav H.B.; Sablani S.; Gogate P.; Annapure U.; Casanova F.; Nayik G.A.; Alaskar K.; Sarwar N.; Raina I.A.; Ramniwas S.; Mousavi Khaneghah A.	Factors governing consumers buying behavior concerning nutraceutical product	2023	Food Science and Nutrition	11	9	4988	5003
1636	Kulkarni P.; Deshmukh S.	Comparative study of nature-inspired maximum power point tracking algorithms for partially shaded photovoltaic systems	2023	Indonesian Journal of Electrical Engineering and Computer Science	31	3	1242	1249
1637	Ganesan G.; Balasubramaniam P.; Lade J.; Wang K.-H.; Chen K.-W.; Chaskar A.C.; Chang C.-H.	Exciplex forming a Phenyl-Spaced Phenoxazine D-A Cohost for a Highly Efficient Red-Phosphorescent Organic Light-Emitting Diode	2023	ACS Applied Optical Materials	1	9	1546	1558
1638	Mane R.S.; Mane S.; Somkuwar V.; Thombre N.V.; Patwardhan A.V.; Jha N.	A novel hierarchically hybrid structure of MXene and bi-ligand ZIF-67 based trifunctional electrocatalyst for zinc-air battery and water splitting	2023	Battery Energy	2	5		
1639	Vigya; Shiva C.K.; Vedik B.; Raj S.; Mahapatra S.; Mukherjee V.	A novel chaotic chimp sine cosine algorithm part-II: Automatic generation control of complex power system	2023	Chaos, Solitons and Fractals	173			
1640	Jadhav P.S.; Joshi G.M.; Deshmukh R.R.	Preparation and characterization of polyacrylonitrile/nitrocellulose engineering blend	2023	Journal of Applied Polymer Science	140	30		
1641	Dev M.J.; Mawal S.B.; Singhal R.S.	L-Asparaginase from an acrylamide degrader, Cupriavidus oxalaticus ICTDB921: Production, kinetic modelling, purification and characterization	2023	Biocatalysis and Agricultural Biotechnology	53			
1642	Pramanik G.; Mestry S.; Mhaske S.T.	Development of silane/acrylate-based hybrid polymer coating through sol–gel technique for anti-corrosive application	2023	Iranian Polymer Journal (English Edition)	32	8	969	978
1643	Kumari P.; Saldanha M.; Jain R.; Dandekar P.	Controlling monoclonal antibody aggregation during cell culture using medium additives facilitated by the monitoring of aggregation in cell culture matrix using size exclusion	2023	Journal of Pharmaceutical and Biomedical Analysis	234			

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		chromatography						
1644	Kadam R.S.; Nirukhe A.B.; Yadav G.D.	Energy saving in Cu-Cl thermochemical cycle for green hydrogen production: Use of heat integration approach and simulation tools	2023	Energy Conversion and Management	293			
1645	Kumari S.; Bhende A.; Pandit A.; Rayalu S.	Corrigendum to “Efficiency enhancement of photovoltaic panel by heat harvesting techniques” [Energy for Sustainable Development 73 (2023) 303–314, (S0973082623000364), (10.1016/j.esd.2023.02.007)]	2023	Energy for Sustainable Development	76			
1646	Vigya; Raj S.; Shiva C.K.; Vedik B.; Mahapatra S.; Mukherjee V.	A novel chaotic chimp sine cosine algorithm Part-I: For solving optimization problem	2023	Chaos, Solitons and Fractals	173			
1647	Bhadke P.K.; Gadkari Y.U.; Salim S.S.; Masram L.B.; Telvekar V.N.	L-Proline assisted expeditious and efficient methodology for the preparation of 2-amino-3-cyanopyridines under aqueous conditions	2023	Journal of Chemical Sciences	135	3		
1648	Khandagale D.; Kori S.; Kapdi A.R.	DMSO-Assisted K3PO4-Catalyzed Cooperative Metal-Free, Base-Free Etherification of Chloroheteroarenes at Low Temperature	2023	Chemistry - An Asian Journal	18	16		
1649	Jadhav H.B.; Raina I.; Gogate P.R.; Annapure U.S.; Casanova F.	Sonication as a Promising Technology for the Extraction of Triacylglycerols from Fruit Seeds—A Review	2023	Food and Bioprocess Technology	16	8	1625	1651
1650	Parihar A.; Prajapati B.G.; Paliwal H.; Shukla M.; Khunt D.; Devrao Bahadure S.; Dyawanapelly S.; Junnuthula V.	Advanced pulmonary drug delivery formulations for the treatment of cystic fibrosis	2023	Drug Discovery Today	28	10		
1651	Patel A.M.; Dhar R.; Chakraborty S.	Pulsed light, microwave, and infrared treatments of jaggery: Comparing the microbial decontamination and other quality attributes	2023	Food Control	149			
1652	Mehta J.P.; Ayakar S.; Singhal R.S.	The potential of paraprobiotics and postbiotics to modulate the immune system: A Review	2023	Microbiological Research	275			
1653	Lakshmipathi M.; Sk A.I.; Kundu P.K.; Tothadi S.; Ghosh S.	Mechanically Elastic and Light-Induced Bending of Acylhydrazone-Based Photoswitch Crystal	2023	Crystal Growth and Design	23	7	4939	4945
1654	Sharma S.J.; Prasad J.; Soni S.S.; Sekar N.	The impact of anchoring groups on the efficiency of dye-sensitized solar cells: 2-Cyanoacrylic acid vs. ethyl 2-cyanoacrylate	2023	Journal of Photochemistry and Photobiology A: Chemistry	444			

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1655	Gujar S.K.; Gogate P.R.; Sharma A.; Mishra B.R.; Singh D.	Remediation of real industrial hypersaline effluent using sequential approach of precipitation followed by cavitation based oxidative process	2023	Journal of Environmental Chemical Engineering	11	5		
1656	Borse P.; Naiker V.; Mestry S.; Shah V.; Mhaske S.T.	Development of phosphorous-based melamine–vanillin imine precursor for flame-retardant polyurethane coating	2023	Polymer Bulletin	80	9	10473	10492
1657	Kolekar Y.A.; Saptal V.B.; Bhanage B.M.	Carbonylative Self-Coupling of Aryl Boronic Acids Using a Confined Pd Catalyst within Melamine Dendron and Fibrous Nano-Silica: A CO Surrogate Approach	2023	Chemistry - A European Journal	29	50		
1658	Gor N.K.; Chinthala P.K.; Das A.; Vaidya P.D.	An overview of mono-ethylene glycol synthesis via CO coupling reaction: Catalysts, kinetics, and reaction pathways	2023	Canadian Journal of Chemical Engineering	101	7	4054	4075
1659	Pandya A.K.; Vora L.K.; Umeyor C.; Surve D.; Patel A.; Biswas S.; Patel K.; Patravale V.B.	Polymeric in situ forming depots for long-acting drug delivery systems	2023	Advanced Drug Delivery Reviews	200			
1660	Karim M.A.U.; Aithal V.; Bhowmick A.R.	Random variation in model parameters: A comprehensive review of stochastic logistic growth equation	2023	Ecological Modelling	484			
1661	Gawande S.M.; Sarode D.D.	TREATMENT of RURAL DOMESTIC WASTEWATER with ARTIFICIAL CONSTRUCTED WETLANDS USING Ipomoea carnea and Ricinus castor PLANTS	2023	Environmental Engineering and Management Journal	22	9	1523	1534
1662	Panda A.; Maiti S.; Kulkarni K.S.; Adivarekar R.V.	Dyeing of wool with bio-colour extracted from Serratia marcesens	2023	Asian Dyer	20	4	23	28
1663	Deshmukh S.; Deore A.; Mani A.M.; Mondal S.; Chaudhury S.	Selective Ion Transport through a Self-Standing Protein-Based Biopolymer	2023	ACS Applied Polymer Materials	5	9	7060	7068
1664	Waghmare B.V.; Mahanwar P.A.	Fabrication and characterization of microencapsulated dimethyl adipate phase change material with melamine-formaldehyde shell for cold thermal energy storage in coating	2023	Journal of Polymer Engineering	43	7	602	612
1665	Gaware S.; Kori S.; Serrano J.L.; Dandela R.; Hilton S.; Sanghvi Y.S.; Kapdi A.R.	Rapid plugged flow synthesis of nucleoside analogues via Suzuki-Miyaura coupling and heck Alkenylation of 5-Iodo-2'-deoxyuridine (or cytidine)	2023	Journal of Flow Chemistry	13	3	293	310
1666	Savitha S.; Chakraborty S.; Thorat B.N.	Changes in quality attributes of pulsed light treated dehydrated onion shreds during storage	2023	Journal of Agriculture and Food Research	13			
1667	Bhise R.S.; Patil Y.A.; Shankarling G.S.	Green synthesis of the copper and iron phthalocyanine-based metal-organic framework as an efficient catalyst for methylene blue dye degradation and oxidation of cyclohexane	2023	Reaction Chemistry and Engineering	8	12	3046	3059
1668	Gavali K.D.; Chaturbhuj G.U.	Truly Catalytic Gewald Synthesis of 2-Aminothiophenes Using	2023	SynOpen	7	4	674	679

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		Piperidinium Borate (Pip Borate), a Conjugate Acid–Base Pair						
1669	Jagushte K.U.; Ketkar R.N.; Thakkar C.; Dutta Choudhury S.; Sadhukhan N.	Convenient synthesis of 6-Amino-2-naphthol by Copper-catalyzed Ullmann reaction	2023	Tetrahedron Letters	128			
1670	Pawar M.A.; Abadi L.F.; Rojekar S.V.; Yawalkar A.N.; Kulkarni S.S.; Vavia P.R.	Tenofovir alafenamide fumarate loaded long-acting microsphere for HIV pre-exposure prophylaxis	2023	Journal of Drug Delivery Science and Technology	87			
1671	Bandaru S.S.M.; Shah J.; Bhilare S.; Schulzke C.; Kapdi A.R.; Roger J.; Hierso J.-C.	Phosphine ligands based on the ferrocenyl platform: Advances in catalytic cross-couplings	2023	Coordination Chemistry Reviews	491			
1672	Kawadkar A.S.; Gogate P.R.	Intensified depolymerization using ultrasound – A review of mechanisms, reactors, operating conditions and applications	2023	Chemical Engineering and Processing - Process Intensification	191			
1673	Gawande S.M.; Sarode D.D.	A Case Study on Comprehensive Investigation of a Sustainable Wastewater Treatment System: Promoting Environmental Sustainability	2023	Water and Energy International	66r	5	32	36
1674	Shaik L.; Chakraborty S.	Effect of different storage conditions on the quality attributes of sweet lime juice subjected to pulsed light and thermal pasteurization	2023	Sustainable Food Technology	1	5	722	737
1675	Mangukiya M.A.; Bagwe P.V.; Desai A.A.; Joshi S.V.	Development and Validation of Stability indicating HPLC method for determination of related substances and assay of Monobenzone drug substance	2023	Journal of the Indian Chemical Society	100	9		
1676	Shet H.; Gunturu K.C.; Gharpure S.J.; Prasad Kommyreddy S.; Gupta K.S.; Rout S.R.; Dandela R.; Kapdi A.R.	Cu(II)/PTABS-Promoted, Regioselective SNAr Amination of Polychlorinated Pyrimidines with Mechanistic Understanding	2023	Journal of Organic Chemistry	88	15	11036	11044
1677	Basak S.; Shaik L.; Chakraborty S.	Effect of ultraviolet and pulsed light treatments on ascorbic acid content in fruit juices-A review of the degradation mechanism	2023	Food Chemistry Advances	2			
1678	Pandey P.H.; Bhadke A.; Adivarekar R.; Tayade S.N.; Tawade A.K.; Sharma K.K.; Patil P.S.; More S.; Pawar H.S.	A stable and robust electrode using Copious metal oxide composite for green hydrogen production	2023	ChemistrySelect	8	30		
1679	Patil P.S.; Fernandes C.G.; Sawant S.C.; Lali A.M.; Odaneth A.A.	High-throughput system for carbohydrate analysis of lignocellulosic biomass	2023	Biomass Conversion and Biorefinery	13	14	12889	12901

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1680	Ranjekar A.M.; Yadav G.D.	Steam reforming of ethanol for hydrogen production: Efficacy of ceria promoted Cu–Co on mesoporous cellular foam silica	2023	International Journal of Hydrogen Energy	48	81	31550	31570
1681	Tathare S.S.; Goswami P.	Squirrel Search Optimized FSS Based Filtered Frequency Reconfigurable Antenna for 5G Applications (Sub-6 GHz)	2023	Wireless Personal Communications	131	4	2811	2839
1682	Balsora H.K.; Kartik S.; Joshi J.B.; Sharma A.; Chakinala A.G.	Artificial Neural Network-Based Models for the Prediction of Biomass Pyrolysis Products from Preliminary Analysis	2023	Industrial and Engineering Chemistry Research	62	36	14311	14319
1683	Rout M.; Maiti S.; Kulkarni K.S.; Adivarekar R.V.	Cocos nucifera: A potential source of natural dye for textiles	2023	Asian Dyer	20	5	38	42
1684	Patil H.; Surve K.; Athalye A.	Green Process for Degumming of Tussar Silk by Sapindus Extract	2023	Journal of the Textile Association	84	3	189	194
1685	Gadhave R.V.; Vineeth S.K.	Synthesis and characterization of starch stabilized polyvinyl acetate-acrylic acid copolymer-based wood adhesive	2023	Polymer Bulletin	80	9	10335	10354
1686	Lakshmi N.J.; Gogate P.R.; Pandit A.B.	Acoustic cavitation for the process intensification of biological oxidation of CETP effluent containing mainly pharmaceutical compounds: Understanding into effect of parameters and toxicity analysis	2023	Ultrasonics Sonochemistry	98			
1687	Mariammal M.; Sahane N.; Tiwari S.	Water-soluble anionic N-confused porphyrin for sensitive and selective detection of heavy metal pollutants in aqueous environment	2023	Analytical Sciences	39	8	1317	1325
1688	Patil H.; Athalye A.	Waste To wealth: Wool grease to cosmetic emollients	2023	Asian Dyer	20	4	56	60
1689	Fernandes C.G.; Sawant S.C.; Mule T.A.; Khadye V.S.; Odaneth A.A.	Synergistic β-glucosidases for improving cellulases recyclability and biomass enzymatic saccharification in wheat straw	2023	Biomass and Bioenergy	175			
1690	Ingole P.M.; Rathod V.K.	Ultrasound-assisted enzymatic degradation of naproxen	2023	Journal of the Indian Chemical Society	100	8		
1691	Singh S.K.; Thakur K.; Sharma V.; Saini M.; Sharma D.; Vishwas S.; Kakoty V.; Pal R.S.; Chaitanya M.V.N.L.; Babu M.R.; Gupta S.; Rehman Z.U.; Smriti; Singla M.; Gupta G.; Jakhmola V.; Pinto T.D.J.A.; Kumbhar P.; Disouza J.; Patravale V.; Dua K.; Gadewar M.M.	Exploring the multifaceted potential of chlorogenic acid: Journey from nutraceutical to nanomedicine	2023	South African Journal of Botany	159		658	677
1692	Vishwakarma R.; Vinod C.P.;	Copper Fluorapatite-Catalyzed Aza-Michael Reaction and	2023	Industrial and Engineering Chemistry	62	34	13401	13411

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	Rathod V.; Kantam M.L.	Kinetic Studies		Research				
1693	Jagtap P.A.; Lokolkar M.S.; Bhanage B.M.	Cu-Mediated Tandem 2,3-Disubstituted Indole Synthesis from Simple Anilines and Internal Alkynes via C-H Annulation	2023	Journal of Organic Chemistry	88	15	10960	10973
1694	Pawar P.; Doshi J.; Patil S.G.; Dandekar P.; Poornima K.	The characterization of chitinolytic soil bacterial isolates for their antagonistic activity against root knot nematode Meloidogyne incognita: an effort towards developing 'green' nematicidal agents	2023	BioControl	68	5	511	524
1695	Naik S.; Katariya R.; Shelke S.; Patravale V.; Umekar M.; Kotagale N.; Taksande B.	Nattokinase prevents β-amyloid peptide (Aβ1-42) induced neuropsychiatric complications, neuroinflammation and BDNF signalling disruption in mice	2023	European Journal of Pharmacology	952			
1696	Vineeth S.K.; Gadhave R.V.; Gadekar P.T.	Polyvinyl alcohol–cellulose blend wood adhesive modified by citric acid and its effect on physical, thermal, mechanical and performance properties	2023	Polymer Bulletin	80	7	8013	8030
1697	Attar E.S.; Chaudhari V.H.; Deokar C.G.; Dyawanapelly S.; Devarajan P.V.	Nano Drug Delivery Strategies for an Oral Bioenhanced Quercetin Formulation	2023	European Journal of Drug Metabolism and Pharmacokinetics	48	5	495	514
1698	Gokhale S.V.; Gokhale; Lele S.S.	Mathematical modeling in food processing	2023	Novel and Alternative Methods in Food Processing: Biotechnological, Physicochemical, and Mathematical Approaches			115	147
1699	Basak S.; Singhal R.S.	The potential of supercritical drying as a "green" method for the production of food-grade bioaerogels: A comprehensive critical review	2023	Food Hydrocolloids	141			
1700	Kerosenewala J.; Vaidya P.; Ozarkar V.; Shirapure Y.; More A.P.	Eugenol: extraction, properties and its applications on incorporation with polymers and resins—a review	2023	Polymer Bulletin	80	7	7047	7099
1701	Shweta S.; Kundu D.	Screening of ionic liquids and deep eutectic solvents for the extraction of persistent organic pollutants from edible oils and fat	2023	Journal of Molecular Liquids	390			
1702	Chhabria S.; Takle V.; Sharma N.; Kharkar P.; Pansare K.; Tripathi A.; Tripathi A.; Bhartiya D.	Retraction Note: Extremely active Nano-formulation of Resveratrol (XAR™) attenuates and reverses chemotherapy-induced damage in mice ovaries and testes(J Ovarian Res, (2022), 15, (115), 10.1186/s13048-022-01043-8)	2023	Journal of Ovarian Research	16	1		
1703	Chaturvedi S.; Chakraborty S.	Effect of temperature and packaging materials on the shelf-life stability and in vitro properties of microencapsulated and spray-dried synbiotic legume-based instant beverage powder	2023	Sustainable Food Technology	2	1	162	174

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1705	Zambare R.S.; Vaidya P.D.	Hydrogen Production by Aqueous-Phase Reforming of Macroalgal Biomass Using a Pt/Al2O3 Catalyst	2023	Industrial and Engineering Chemistry Research	62	43	17451	17460
1706	Mehta N.V.; Degani M.S.	The expanding repertoire of covalent warheads for drug discovery	2023	Drug Discovery Today	28	12		
1707	Dulal M.; Islam M.R.; Maiti S.; Islam M.H.; Ali I.; Abdelkader A.M.; Novoselov K.S.; Afroj S.; Karim N.	Smart and Multifunctional Fiber-Reinforced Composites of 2D Heterostructure-Based Textiles	2023	Advanced Functional Materials	33	40		
1708	Gomha S.M.; Zaki M.E.A.; Maliwal D.; Pissurlenkar R.R.S.; Ibrahim M.S.; Fathalla M.; Hussein A.M.	Synthesis, in-silico studies, and biological evaluation of some novel 3-thiazolyl-indoles as CDK2–inhibitors	2023	Results in Chemistry	6			
1709	Joshi S.S.; Dalvi V.H.; Vitankar V.S.; Joshi A.J.; Joshi J.B.	Novel Correlation for the Solid-Liquid Mass Transfer Coefficient in Stirred Tanks Developed by Interpreting Machine Learning Models Trained on Literature Data	2023	Industrial and Engineering Chemistry Research	62	46	19920	19935
1710	Goel R.; Arora S.; Rayaapa M.K.; Gulia D.	'Hemp and Marijuana are both pots?' Young consumer awareness and perception of hemp food in India	2023	Journal of Agriculture and Food Research	14			
1711	Patravale V.B.	NANOBIOTECHNOLOGY: OPPORTUNITIES AND CHALLENGES	2023	Indian Drugs	60	12	5	6
1712	Bagwe P.V.; Deshpande R.D.; Juhasz G.; Sathaye S.; Joshi S.V.	Uncovering the Significance of STEP61 in Alzheimer's Disease: Structure, Substrates, and Interactome	2023	Cellular and Molecular Neurobiology	43	7	3099	3113
1713	Meher P.; Panda S.P.; Mahapatra S.K.; Thombare K.R.; Roy L.; Murarka S.	A General Electron Donor-Acceptor Photoactivation Platform of Diaryliodonium Reagents: Arylation of Heterocycles	2023	Organic Letters	25	46	8290	8295
1714	Pise V.H.; Harlalka R.; Thorat B.N.	Drying of aromatic plant material for natural perfumes	2023	Drying of Aromatic Plant Material for Natural Perfumes			1	104
1715	Pillai G.; Savvashe P.; Patil V.; Odaneth A.A.; Lali A.M.; Pandit R.	Year-round cultivation of marine macroalgae Enteromorpha prolifera using photobioreactors	2023	Journal of Cleaner Production	427			
1716	Jagushte K.U.; Sadhukhan N.; Upadhyaya H.P.; Dutta Choudhury S.	Dual Excited State Proton Transfer Pathways in the Bifunctional Photoacid 6-Amino-2-naphtol	2023	Journal of Physical Chemistry B	127	45	9788	9801
1717	Thakur R.; Sanap P.; Gogate P.; Pratap A.	Ultrasound-assisted synthesis of oleic estolide: Optimization, process intensification and kinetic study	2023	Chemical Engineering and Processing - Process Intensification	193			

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1719	Kanthale P.; Pandey R.; Thakur D.; Gujar S.K.; Gogate P.R.; Thakre S.; Dutta C.K.	Application of combined hydrodynamic cavitation and Fenton reagent for COD reduction of cellulosic fiber industry effluents	2023	Journal of Water Process Engineering	56			
1720	Pravallika K.; Shaik L.; Chakraborty S.	Changes in the quality attributes of pulsed light and thermally pasteurized pomegranate (Punica granatum) juice stored at refrigerated condition (4 °C)	2023	Journal of Food Measurement and Characterization	17	6	6620	6638
1721	Damle S.; Madankar C.	An overview on eco-friendly polyglycerol esters of fatty acid, synthesis and applications	2023	Tenside, Surfactants, Detergents	60	6	611	621
1722	Kadam V.M.; Yadav G.D.	Development of a Green Process for the Synthesis of Cyclopentanone Using Selective Aqueous Phase Hydrogenation of Furfural over Ni-Cu@MOF-5 Catalyst	2023	Industrial and Engineering Chemistry Research	62	43	17408	17427
1723	Ingavale S.; Marbaniang P.; Palabathuni M.; Mishra N.	In situ growth of copper oxide on MXene by combustion method for electrochemical ammonia production from nitrate	2023	Nanoscale Advances	6	2	481	488
1724	Gadhave R.V.	Comparative study of polyvinyl acetate-acrylic acid and polyvinyl acetate-methacrylic acid copolymer-based wood adhesives	2023	Journal of the Indian Academy of Wood Science	20	2	173	182
1725	Mehta N.V.; Abhyankar A.; Degani M.S.	Elemental exchange: Bioisosteric replacement of phosphorus by boron in drug design	2023	European Journal of Medicinal Chemistry	260			
1726	Maurya O.; Khaladkar S.R.; Sinha B.; Bhanage B.M.; Deshmukh R.R.; Kim J.H.; Kalekar A.	Effective transformation of hydrothermally grown TiO2 nanorods to nanotube arrays for improved PEC hydrogen evolution	2023	Electrochimica Acta	471			
1727	Kharat B.M.; Vyavahare S.A.; Shirapure Y.; Kerosenewala J.; Desai P.; More A.P.	Synthesis and characterization of polypyrrole-fly-ash-adenosine composite reinforced epoxy coating for anticorrosive applications	2023	Journal of Applied Polymer Science	140	46		
1728	Kumar M.; Degani M.S.	Arylazopyrazole linked Schiff bases as organocatalysts for the ipso-hydroxylation of arylboronic acids for the synthesis of phenols	2023	Tetrahedron Letters	131			
1729	Deshpande R.D.; Shah D.S.; Gurram S.; Jha D.K.; Batabyal P.; Amin P.D.; Sathaye S.	Formulation, characterization, pharmacokinetics and antioxidant activity of phloretin oral granules	2023	International Journal of Pharmaceutics	645			
1730	Anjani Q.K.; Pandya A.K.; Demartis S.; Domínguez-Robles J.; Moreno-	Liposome-loaded polymeric microneedles for enhanced skin deposition of rifampicin	2023	International Journal of Pharmaceutics	646			

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1731	Ghosh R.N.; Ray A.; Sharma A.; Singhal R.S.	Bioactive oleogel from supercritical carbon dioxide extracted walnut (Juglans regia L.) oil as a butter substitute and utilization of the spent residue in cookie formulations	2023	Journal of Agriculture and Food Research	14			
1732	Yeole S.P.; Jadhav P.S.; Joshi G.M.	Recent Scenario of Surfactants Modified Graphene and Its Derivatives-Based Polymer Nanocomposites—Review	2023	Macromolecular Chemistry and Physics	224	21		
1733	Arya S.S.; Nachiappan N.; Waghmare R.; Bhat M.S.	Recent progress and future perspectives on non-thermal apple juice processing techniques	2023	Food Production, Processing and Nutrition	5	1		
1734	Sahu R.; Yadav S.; Gunturu K.C.; Kapdi A.R.	Phenothiazine-Based Cu(II)-Selective Fluorescent Sensor: GHK-Cu Sensing Applications	2023	Journal of Organic Chemistry	88	21	15118	15129
1735	Parab V.; Prajapati J.J.; Karan S.; Bhowmick A.R.; Mukherjee J.	Impact of abiotic factors and heavy metals in predicting the population decline of Near Threatened fish Notopterus chitala in natural habitat	2023	Aquatic Ecology	57	4	863	879
1736	Yadav P.; Gogate P.R.	Process intensification approaches applied to the downstream processing of microalgae production	2023	Microalgae-Based Systems: Process Integration and Process Intensification Approaches			241	267
1737	Pradhan K.C.; Jadab M.; Rout S.; Dandela R.; Mandal D.; Parija T.; Barik S.; Kumar J.; Pal S.	Orange/red light emitting iridium(III) organometallic complexes containing 2,3-di(pyridine-2-yl)quinoxaline as ancillary ligand and their anticancer properties	2023	Zeitschrift fur Anorganische und Allgemeine Chemie	649	22		
1738	More H.; Shukla V.K.; Patil P.; Sekar N.	Toxicity of 3 and 3,6-disubstituted coumarins: A computational approach	2023	Journal of the Indian Chemical Society	100	12		
1739	Upadhaya P.; Hazari P.P.; Mishra A.K.; Dutta B.; Hassan P.; Patravale V.	Radiolabelled folate micellar carriers as proposed diagnostic aid for CNS tumors by nasal route	2023	Drug Delivery and Translational Research	13	10	2604	2613
1740	Thakur V.P.; Bagwe P.V.; Kharkar P.S.; Joshi S.V.	SYNTHESIS, STRUCTURAL CHARACTERIZATION AND SOLUBILITY INVESTIGATION OF FLURBIPROFEN ISOBUTANOL AMMONIUM SALT	2023	Indian Drugs	60	11	19	27
1741	Ibrahim M.K.; Haria A.; Mehta N.V.; Degani M.S.	Antimicrobial potential of quaternary phosphonium salt compounds: a review	2023	Future Medicinal Chemistry	15	22	2113	2141
1742	Kolekar Y.A.; Bhanage B.M.	Palladium-Catalyzed Denitrogenative Self-carbonylation of Arylhydrazine Using CO and O2 as an Ideal Oxidant†	2023	Chinese Journal of Chemistry	41	23	3216	3222
1743	Shaikh A.A.; Ray A.; Singhal R.S.	Co-extraction of marigold flowers (Tagetes erecta L.) and dried coconut (Cocos nucifera L.) shreds using supercritical	2023	Food Chemistry Advances	2			

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
		carbon dioxide: Characterization and functional food formulations						
1744	Mane S.S.; Joshi G.M.	Development of substrate free polymer composite for Pb2+ ion sensor	2023	Physica Scripta	98	11		
1745	Mishra S.; Mukherjee J.; Chaturvedi D.; Jain R.; Dandekar P.	The mechanisms and properties of inertial microfluidics: from fundamental models to biomedical applications	2023	Microfluidics and Nanofluidics	27	12		
1746	Vikram M.V.; Yadav M.D.	Recent Advancements in Continuous Crystallization of Proteins	2023	Crystal Research and Technology	58	11		
1747	Rajput Y.N.; Kulkarni R.D.	Unlocking the potential: Cost-efficient and sustainable synthesis of polyglycerol ester derivatives from industrial by-products, surface properties evaluation and development of moisturizing creams	2023	Industrial Crops and Products	204			
1748	Sharma S.J.; Sekar N.	A promising small-sized near-infrared absorbing zwitterionic dye for DSSC and NLO applications: DFT and TD-DFT approaches	2023	Physical Chemistry Chemical Physics	25	43	30023	30039
1749	Mohire S.S.; Yadav G.D.	Selectivity Engineering and Efficacy of the Ru-Ni@RGO Catalyst in Hydrogenation of p-tert-Butylphenol to p-tert-Butylcyclohexanol	2023	Industrial and Engineering Chemistry Research	62	46	19524	19535
1750	Khaladkar S.R.; Maurya O.; Gund G.; Sinha B.; Dubal D.; Deshmukh R.R.; Kalekar A.	Improving the charge kinetics through in-situ growth of NiSe nanoparticles on g-C3N4 nanosheets for efficient hybrid supercapacitors	2023	Journal of Energy Chemistry	87		304	313
1751	Kaimal A.M.; Singhal R.S.	A bigel based formulation protects lutein better in the gastric environment with controlled release and antioxidant profile than other gel based systems	2023	Food Chemistry	423			
1752	Sayyed S.Z.; Vaidya P.D.	Chemical Looping-Steam Reforming of Biogas and Methane over Lanthanum-Based Perovskite for Improved Production of Syngas and Hydrogen	2023	Energy and Fuels	37	23	19082	19091
1753	Bhakare M.A.; Bondarde M.P.; Lokhande K.D.; Dhumal P.S.; Some S.	Quick transformation of polymeric waste into high valuable N-self doped carbon quantum dot for detection of heavy metals from wastewater	2023	Chemical Engineering Science	281			
1754	Malusare D.U.; Ghumra D.P.; Yadav M.D.	Bioconversion of CO2 and potential of gas fermentation for mainstream applications: Critical advances and engineering challenges	2023	Canadian Journal of Chemical Engineering	101	12	6774	6791
1755	Sawant S.B.; Mestry S.U.; Mohanty J.D.; Mhaske S.T.;	Polyvinyl acetate and polyurethane-vinyl acetate hybrid emulsion: synthesis, characterization and properties	2023	Iranian Polymer Journal (English Edition)	32	11	1421	1432

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
	Gadekar P.T.							
1756	Patel M.A.; Kapdi A.R.	Ambient-Temperature, Metal-Free, CDI-Mediated Ex-Situ Conversion of Acids to Amides: A Useful Late-Stage Strategy	2023	Chemistry - An Asian Journal	18	22		
1757	Sarlin P.J.; Morris S.; Morris S.; Morris S.; Joseph P.; Amal Krishan S.	Black-rumped flameback (Dinopium benghalense) anointing plumage with tree sap (Aves, Piciformes, Picidae)	2023	Spixiana	46	1	134	
1758	Kumbhar P.; Kaur J.; De Rubis G.; Paudel K.R.; Prasher P.; Patel V.K.; Corrie L.; Chellappan D.K.; Gupta G.; Singh S.K.; Patravale V.; Disouza J.; Dua K.	Inhalation drug delivery in combating pulmonary infections: Advances and challenges	2023	Journal of Drug Delivery Science and Technology	89			
1759	Mhaske V.P.; Jilkar S.; Yadav M.D.	Minireview on Layered Transition Metal Oxides Synthesis Using Coprecipitation for Sodium Ion Batteries Cathode Material: Advances and Perspectives	2023	Energy and Fuels	37	21	16221	16244
1760	Jadhav P.N.; Sahai R.S.N.; Biswas D.; Samui A.B.	Comparative Study of Mechanical Properties of Multiwall Carbon Nanotubes and Functionalized Multiwall Carbon Nanotubes/Poly Aryl Ether Ketone Nanocomposites	2023	Iranian Journal of Materials Science and Engineering	20	4		
1761	Patil R.S.; Waghmare J.; Annapure U.	Comparative assessment of the frying performance of palm olein and sunflower oil during deep-fat frying of Indian battered food products	2023	Journal of Agriculture and Food Research	14			
1762	Jadhav A.C.; Annaldewar B.N.; Jadhav N.C.	A current perspective on nanocomposite and nanohybrid material: Developments and trends	2023	Nanocomposite and Nanohybrid Materials: Processing and Applications			29	53
1763	Nair A.; Greeny A.; Nandan A.; Sah R.K.; Jose A.; Dyawanapelly S.; Junnuthula V.; Athira K.V.; Sadanandan P.	Advanced drug delivery and therapeutic strategies for tuberculosis treatment	2023	Journal of Nanobiotechnology	21	1		
1764	Kasthurirangan S.; Narayan M.; Tribedi L.C.	Efficiency and resolution characterisation of a high-resolution bent crystal X-ray spectrometer using ray-tracing simulations	2023	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	1057			
1765	Chakraborty S.; Shaik L.	Influence of matrix pH on batch thermal pasteurization of sweet lime juice: Global kinetic models for Saccharomyces cerevisiae and polyphenol oxidase inactivation and degradation of vitamin C	2023	Journal of Food Process Engineering	46	12		

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
1766	Dhar R.; Chakraborty S.	Pasteurization of bael fruit (Aegle marmelos) juice using high-intensity pulsed light treatment	2023	Food Control	152			
1767	Fatima R.; Prasher P.; Sharma M.; Chellappan D.K.; Gupta G.; Singh S.K.; Patravale V.B.; Dua K.	Aminated Polysaccharides: Unveiling a new frontier for enhanced therapeutic efficacy	2023	Journal of Drug Delivery Science and Technology	89			
1768	Jadhav H.B.; Gogate P.; Annapure U.	Analysing the repercussions of ultrasound on triacylglycerols in food	2023	Food Chemistry Advances	2			
1769	Chavda V.P.; Dyawanapelly S.; Dawre S.; Ferreira-Faria I.; Bezbaruah R.; Rani Gogoi N.; Kolimi P.; Dave D.J.; Paiva-Santos A.C.; Vora L.K.	Lyotropic liquid crystalline phases: Drug delivery and biomedical applications	2023	International Journal of Pharmaceutics	647			
1770	Mahajan U.R.; Emmanuel I.; Sreenivasarao A.; Mhaske S.T.	Development of smart polyurethane foam with combined capabilities of thermal insulation and thermal energy storage by integrating microencapsulated phase change material	2023	Polymer Bulletin	80	12	13099	13115
1771	Gharat P.V.; Dalvi V.H.; Deshmukh S.P.; Panse S.V.; Joshi J.B.	Structural Optimization of Receiver Support of Parabolic Trough Collector Using Finite Element Analysis and Multicriteria Decision Making Method	2023	Journal of The Institution of Engineers (India): Series C	104	5	1079	1090
1772	Shejale A.D.; Yadav G.D.	Steam reforming of bio-alcohols over Ni-M (Cu, Co, Pt)/MCF-S (MgO, La2O3, CeO2) for renewable and selective hydrogen production: Synergistic effect of MCF silica and basic oxides on activity and stability profiles	2023	Catalysis Today	423			
1773	N N.; Pegu K.; Arya S.S.	Enhancement of physicochemical stability and reduction in enzyme and microbial activity of apple juice by hydrodynamic cavitation processing	2023	Journal of Agriculture and Food Research	14			
1774	Kaikade D.S.; Sabnis A.S.	Recent Advances in Polyurethane Coatings and Adhesives Derived from Vegetable Oil-Based Polyols	2023	Journal of Polymers and the Environment	31	11	4583	4605
1775	Arya S.S.; More P.R.; Das T.; Hilares R.T.; Pereira B.; Arantes V.; Silva S.S.D.; Santos J.C.D.	Effect of hydrodynamic cavitation processing on orange juice physicochemical and nutritional properties	2023	Journal of Agriculture and Food Research	14			
1776	Padwal V.; Narvekar A.; Dugam S.; Pachpore R.; Dandekar P.; Jain R.	Elucidating the role of 2-methyl imidazolium dihydrogen phosphate in preventing aggregation of Bevacizumab: A biophysical investigation	2023	Journal of Molecular Liquids	390			
1777	Singh A.K.; Roy L.	Computational Mechanistic Insights on Homogeneous Water	2023	European Journal of Inorganic Chemistry	26	34		

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
		Oxidation Versus Catalyst Deactivation: A Case Study with Mononuclear Nickel and Copper Complexes						
1778	Pegu K.; Arya S.S.	Non-thermal processing of milk: Principles, mechanisms and effect on milk components	2023	Journal of Agriculture and Food Research	14			
1779	Nandurkar Y.; Bhoye M.R.; Maliwal D.; Pissurlenkar R.R.S.; Chavan A.; Katade S.; Mhaske P.C.	Synthesis, biological screening and in silico studies of new N-phenyl-4-(1,3-diaryl-1H-pyrazol-4-yl)thiazol-2-amine derivatives as potential antifungal and antitubercular agents	2023	European Journal of Medicinal Chemistry	258			
1780	Patil P.B.; Raut-Jadhav S.; Topare N.S.; Pandit A.B.	Combined strategy of hydrodynamic cavitation and Fenton chemistry for the intensified degradation of acetamiprid	2023	Separation and Purification Technology	325			
1781	Khadilkar J.; Karande V.; Prakash G.; Pandit R.	Simultaneous extraction and purification of natural astaxanthin from Haematococcus pluvialis using adsorptive chromatography	2023	Bioresource Technology Reports	24			
1782	Kahar N.M.; Jadhav P.P.; Dawande S.G.	Rhodium(ii)-catalyzed synthesis of 2-aminoquinoline derivatives from 2-quinolones and N-sulfonyl-1,2,3-triazoles	2023	Organic and Biomolecular Chemistry	21	41	8267	8272
1783	Patil H.; Surve K.; Athalye A.	Degumming of Eri silk by Sapindus (soapnut) extract and optimisation by response surface methodology	2023	Coloration Technology	139	6	719	727
1784	Singh P.; Vasishta A.; Pawar H.S.	An Efficient and Recyclable Acid Catalyst (PolyE-IL) for Production of Pectin from Citrus Peel Waste	2023	ChemistrySelect	8	38		
1785	Sampathi S.; Haribhau C.J.; Kuchana V.; Junnuthula V.; Dyawanapelly S.	Nanosuspension encapsulated chitosan-pectin microbeads as a novel delivery platform for enhancing oral bioavailability	2023	Carbohydrate Polymers	319			
1786	Vaishnavi P.S.V.; Kar S.; Adak A.K.; Nagar V.; Singh V.; Debnath A.K.; Nemade P.R.	Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: Synthesis, characterization, and applications	2023	Journal of Membrane Science	687			
1787	Ajgaonkar B.S.; Kumaran A.; Kumar S.; Jain R.D.; Dandekar P.P.	Cell-based Therapies for Corneal and Retinal Disorders	2023	Stem Cell Reviews and Reports	19	8	2650	2682
1788	Desai R.; Jain R.; Dandekar P.	Surfactants reduce aggregation of monoclonal antibodies in cell culture medium with improvement in performance of mammalian cell culture	2023	Biotechnology Progress	39	6		
1789	Saleha A.; Shende S.S.; Ingle P.; Rai M.; Minkina T.M.; Gade A.	Cell free extract-mediated biogenic synthesis of ZnONPs and their application with kanamycin as a bactericidal combination	2023	World Journal of Microbiology and Biotechnology	39	12		
1790	Bagwe P.V.; Thakur V.P.; Kharkar P.S.; Joshi S.V.	Synthesis, characterization, and dissolution properties of Aceclofenac-isobutabolammonium salt	2023	Journal of the Indian Chemical Society	100	11		

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1791	Sadawarte P.D.; Annapure U.S.	Study of the behavior and properties of frying oil on repetitive deep frying	2023	Journal of Food Science and Technology	60	10	2549	2556
1792	Acharjee A.; Dabade A.; Kahar S.; Annapure U.	Effect of atmospheric pressure non-thermal pin to plate cold plasma on structural and functional properties of pea protein isolate	2023	Journal of Agriculture and Food Research	14			
1793	D'Costa A.S.; Golding B.A.; Raval M.K.; Rolland-Sabaté A.; Bordenave N.	Probing gallic acid–starch interactions through Rapid ViscoAnalyzer in vitro digestion	2023	Food Research International	173			
1794	Sane D.; Gadekar A.; Jamdar V.; Sabnis A.	Recycling of Polyurethanes	2023	ACS Symposium Series	1452		161	179
1795	Mestry S.U.; Borse P.Y.; Satdive A.M.; Gadgeel A.A.; Mhaske S.T.	Development of vanillin-based crosslinking agent with phase-locked dynamic imine bonds for shape-memory polyurethanes	2023	Materials Today Communications	37			
1796	Bhanage B.M.	Festschrift in Honor of Professor Ganapati D. Yadav	2023	Journal of the Indian Chemical Society	100	11		
1797	Ray A.; Sharma A.; Singhal R.S.	A water-absorbent hydrogel prepared with arabinoxylans from flaxseed (Linum usitatissimum) and galactomannans from subabul (Leucaena leucocephala) impacts the growth and composition of cherry tomatoes in potted experiments	2023	Journal of Cleaner Production	429			
1798	Chakraborty S.; Mahale S.; Dhar R.	Response surface optimization of the enzymatic clarification process for apple ber juice and pasteurization by thermal and pulsed light treatments	2023	Journal of Food Measurement and Characterization	17	5	4495	4505
1799	Thakur R.; Sanap P.; Patil S.; Pratap A.	Synthesis of 12-hydroxystearic estolide and its esters to study the effect of molecular structure on physicochemical properties	2023	Industrial Crops and Products	205			
1800	Sarode U.K.; Vaidya P.D.	On the CO2 absorption kinetics, loading capacity, and catalytic desorption of aqueous solutions of N-methyl-D-glucamine	2023	Canadian Journal of Chemical Engineering	101	10	5956	5966
1801	Ansari M.R.; Khaladkar S.; Kalekar A.; Kim M.-D.; Peta K.R.	Effect of annealing temperature on structural, optical and magnetic properties of green synthesized ZFO nanoparticles for electrochemical energy storage applications	2023	Journal of Energy Storage	74			
1802	Sharma S.J.; Sonigara K.K.; Machhi H.K.; Soni S.S.; Sekar N.	Significance of anchoring group design on light harvesting efficiency of dye-sensitized solar cells and non-linear optical response	2023	Journal of Molecular Structure	1294			
1803	Velambath K.B.; Mali S.N.; Pratap A.P.	Greener Synthesis of Jasminaldehyde via Cross Aldol Condensation Reaction Using Recyclable Phase Transfer Catalysis and its Cosmetic Application	2023	Letters in Applied NanoBioScience	12	4		
1804	Persaud K.E.; Sahu R.R.;	Two short approaches to the COVID-19 drug β-d-N4-	2023	Organic and Biomolecular Chemistry	22	4	735	740

Sr No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
	Neary M.C.; Kapdi A.R.; Lakshman M.K.	hydroxycytidine and its prodrug molnupiravir						
1805	Roychowdhury R.; Maiti S.; Adivarekar R.V.; Singhal R.S.	Sustainable dyeing of silk using an acetylshikonin-based natural colourant from the lichen Parmotrema perlatum	2023	Green Chemistry	26	2	904	917
1806	Joshi S.; Joshi R.; Ganorkar K.; Jadhao M.	Unraveling Halochromism of Azo-Based Sulphonamide and Its Real-World Applications: A Combined Experimental and Theoretical Approach	2023	ChemistrySelect	8	48		
1807	Kaimal A.M.; Singhal R.S.	Bigels for controlled gastric release of ascorbic acid: Impact on rheology, texture, thermal stability and antioxidant activity	2023	Food Hydrocolloids for Health	4			
1808	Tambe S.; Jain D.; Rawat R.; Mali S.; Pagano M.A.; Brunati A.M.; Amin P.	MeltSerts technology (brinzolamide ocular inserts via hot-melt extrusion): QbD-steered development, molecular dynamics, in vitro, ex vivo and in vivo studies	2023	International Journal of Pharmaceutics	648			
1809	Patil P.D.; Salokhe S.; Karvekar A.; Suryavanshi P.; Phirke A.N.; Tiwari M.S.; Nadar S.S.	Microfluidic based continuous enzyme immobilization: A comprehensive review	2023	International Journal of Biological Macromolecules	253			
1810	Gholap A.D.; Hatvate N.T.; Sawant S.D.; Khemka P.N.; Vora L.K.	Unlocking the potential of nanobiohybrids to combat environmental pollution	2023	Nanobiohybrids for Advanced Wastewater Treatment and Energy Recovery			169	190
1811	Darji H.R.; Kale H.B.; Shaikh F.F.; Gawande M.B.	Advancement and State-of-art of heterogeneous catalysis for selective CO2 hydrogenation to methanol	2023	Coordination Chemistry Reviews	497			

Various MOUs signed by ICT

No.	Name of Company	Year in which it has signed	Validity period	Purpose	Departments
1.	Bharat Petroleum Corp. Ltd. (BPCL)	March, 2000, Jan 2014 Aug 2015 Dec 2016 July 2018 Dec 2018 June 2020 1(h) August 2023	20 yrs 1 yr 2 yrs 5 yrs 2 yrs 2 yrs	Collaborative research programmes Technology tralsisrransfer for setting up of 2-G Biomass Ethanol Biorefinery at Bina,MP Student exchange programme Waste treatment Collaborative Project	Department of Chemical Engineering DBT-ICT ICT DBT-ICT Department of Polymer and Surface Engg
2.	Bhabha Atomic Research Centre, Department of Atomic Energy, Govt. of India	March, 2003 Dec 2015 March 2019	5 yrs. 5 yrs. 2 yrs	(a) Sponsored projects with 13 faculty of Chemical Engg. Dept. (b) Sponsored project entitled "Oxocatalysed Polyolefin Packaging Films for Environmental Degradation" under Prof R.N. Jagtap (c) Functional evoluation and large scale production of Microbial Enzymes for applications in Textiles Industry under Prof R.V. Adivarekar	Department of Chemical Engg Department of Polymer and Surface Engg Department of Fibres and Textile Processing Tech

3.	Homi Bhabha National Institute	April, 2007	5 yrs.		Department of Chemical Engineering and Department of Pharmaceutical Sciences and Technology
4.	Reliance Industries Ltd *	Feb 2007 Feb 2018 May 2018 August 2018	4 yrs 1 yr 12 April, 2019	Research project under Mrs. K.V. Marathe and Prof. V.K. Rathod Prof. B N Thorat Astaxanthin extraction using supercritical CO2 extraction	ICT
5.	Dow Chemical International Pvt. Ltd.	July, 2008 Oct 2016 Nov 2021	3 yrs. 1 yr 4 yrs.	Research project and visiting lectures 2 Research programmes	Department of Chemical Engineering
6.	Department of Biotechnology, Govt. of India	March, 2008 Feb 2015 Nov 2016 Dec 2018 March 2022 March 2022	5 yrs. 31 March 2018 31 March 2019 March 2024 March 2024	Establishment of "DBT-ICT Centre for Energy Biosciences" Project under Prof A.B. Pandit	Department of Chemical Engineering Department of Foods
7.	Queensland University of Technology, Australia	July, 2008	3 yrs.	Joint venture projects	DBT-ICT Centre for Energy Biosciences
8.	Department of Atomic Energy, Govt. of India	March 2008	10 yrs.	Establishment of "DAE-UICT Centre for Chemical Engineering Education and Research"	Department of Chemical Engineering
9.	University of Saskatchewan	March 2008	5 yrs.	Exchange of research programmes	DBT-ICT Centre for Energy Biosciences

10.	Borouge Pte Ltd.	July, 2009	2 yrs.	Scholarship for students	Department of Chemical Engineering and Department of Polymer and Surface Engineering
11.	International Centre for Genetic Engineering and Biotechnology, (ICGEB) New Delhi	Feb 2010 March, 2011	5 yrs. 2 yrs.	Joint research programme Joint research programme	DBT-ICT Centre for Energy Biosciences
12.	Hindustan Petroleum Corporation Ltd. (HPCL)	May, 2010 Feb, 2016 Dec 2016 Sept 2017	5 yrs. 10 yrs. 2 yrs. 8 weeks	 Supply of License and Basic Engg. Design Package (BEDP) for 2G bio ethanol Refinery at Bathinda	ICT DBT DBT
13.	Tata Chemicals Limited (2 projects)	Oct, 2009 May, 2010 Sept 2016 January 2022	6 months 2 yrs. 2 yrs. Jan 2024		ICT
14.	Chemtrols Industries Limited (a) NDA (b) NDA (c) NDA	May, 2010		 Providing Engineering Services for preparing basic engineering design package (BEDP) for project based on patented technologies, for treatment of Municipal solid waste of ICT Engineering procurement and construction (EPC) of pilot plant for treatment of municipal liquid waste Construction and installation of modular algal cultivation system	ICT DBT-ICT DBT-ICT DBT-ICT
15.	Lanxess India Private Limited	April, 2010	3 yrs.	Joint research programme	ICT

16.	Ishaan Industries	May, 2010		Exploit the paint developed by Ishaan Industries Ltd. by Professor R.N. Jagtap	Department of Polymer and Surface Engineering
17.	Deakin University, Australia *	2010	5 yrs.	Joint research programme	ICT
18.	Dystar India Pvt. Ltd	March, 2010	31 March, 2013	Joint research programme	Department of Fibres and Textile Processing Technology
19.	General Mills Operations LLC * (2 projects)	May, 2010	3 yrs.	Joint research programme	DBT-ICT Centre for Energy Biosciences
20.	Microsoft Corporation	2010	30 Sept 2012	Microsoft license agreement	ICT
21.	Indian Institute of Technology (IIT), Bombay NDA	May, 2010 Jan 2019	3 yrs. Jan 2022	Joint research programme Non-Disclosure agreement	ICT DBT ICT
22.	Department of Atomic Energy, Govt. of India	May, 2010	3 yrs.		Department of Chemical Engineering
23.	TERI University	July, 2010	3 yrs.	Joint research programme	Department of Chemical Engineering
24.	Biotech Consortium India Limited	August, 2010	2 yrs.	Provide IPR related service to DBT-ICT Centre for Energy Bioscience	DBT-ICT Centre for Energy Biosciences
25.	Groupe Des Ecoles Des Mines (GEM)	Dec 2010-2013	3 yrs.		ICT
26.	University of Illinois at Urbana-Champaign	Oct. 2010	5 yrs.	Joint research programme	ICT
27.	Shri Kishore V. Mariwala - Professor J.B. Joshi Chair in Chemical Engineering	Oct. 2010		Professor J.B. Joshi Chair in Chemical Engineering	Department of Chemical Engineering

28.	University of Mumbai	Nov, 2010	3 yrs.	Promotion of University Research and Scientific Excellence (PURSE) programme of Department of Science and Technology (DST)	ICT
29.	Veermata Jijabai Technological Institute (VJTI)	Jan 2011 May 2022	3 yrs. 5 yrs.	Joint research programme	ICT
30.	Royal Melbourne Institute of Technology (RMIT)	Feb 2011 Jan 2018		Joint research programme	ICT
31.	University of Bradford	Feb 2011	5 yrs.	Joint research programme	ICT
32.	Sah Petroleums Limited (SPL)	Feb 2011	1 yr.	Research project	Department of Polymer and Surface Engineering
33.	University of British Columbia *	Feb 2011	5 yrs.	Joint research programme	ICT
34.	FRP Institute *	March, 2011			Department of Polymer and Surface Engineering
35.	Pidilite Industries Ltd. (a) MOA	March, 2011 Jan 2019	 Jan 2020	Professor M.M. Sharma Distinguished Doctoral Fellowship Project entitled “On-shore cultivation of macroalgae at Bhavnagar, Dist.Gujarat”	Department of Chemical Engg DBT-ICT Centre for Energy BioSciences
36.	Aker Powergas Pvt. Ltd. *	May 2011	1 yr.	Engaging fresh engineering talent	ICT
37.	Ishaan Industries	May, 2011			Department of Polymer and Surface Engineering
38.	Eli Lilly and Co.	May, 2011	5 yrs.	PD^2 programme under the supervision of Prof M.S. Degani	Department of Pharmaceutical Sciences and Technology

39.	North-East Institute of Sciences and Technology *	May, 2011	3 yrs.		ICT
40.	Science for Society (Shri Vaibhav Tidke)	June, 2011	15 yrs.	License agreement	Department of Chemical Engineering
41.	Bombay Textile Research Association, Mumbai	June, 2011	5 yrs.	Collaborative Research programmes	Department of Fibres and Textile Processing Technology
42.	Merck Specialties Pvt. Ltd.	July, 2011 Dec 2016	2 yrs. 30 June, 2021	Appointment of Prof G.D. Yadav as member of the Advisory Board of Merck Specialties Pvt. Ltd.	ICT
43.	Bayer Crop Science Ltd.	July, 2011	31 July 2016	Scholarship to students	Department of Chemical Engineering
44.	Hindustan Insecticides Ltd.	July, 2011	3 yrs.	Studies on Alternatives to DDT : Synthesis of new Molecules, Toxicological studies and scale-up under the agies of Ministry of Chemicals and Fertilizers	ICT
45.	Saffron Eagle Biofuels	Aug, 2011		Joint research programme	DBT-ICT
46.	Rashtriya Chemicals and Fertilizers Ltd. (RCF)	Oct, 2011	5 yrs.	Joint research programme	Department of Chemical Engineering
47.	South Illinois University, Edwardsville *	Nov, 2011	1 yr.	Joint research programme	ICT
48.	ONTARIO Universities International	Nov, 2011	5 yrs.	Student exchange programme	ICT
49.	Central Institute for Research on Cotton Technology	May 2012	5 yrs.	Joint research programme	Department of Fibres and Textile Processing Technology
50.	British Council Division, India British High Commission	Jan, 2012	31 Dec 2013	Project entitled “Process analytics enabled green technologies for processing of poorly soluble drugs”	ICT

51.	The University of Nottingham	Jan., 2012	5 yrs.	Material Transfer Agreement	DBT-ICT
52.	RCF Chair – Professor of Chemical Engineering	March, 2012			Department of Chemical Engineering
53.	Queensland University of Technology, Australia	March, 2012 Feb, 2017	5 yrs. 5 yrs.	Collaborative research, projects, academic and scientific activities, etc.	ICT
54.	Bio-Rad Laboratories India Pvt. Ltd.	May, 2008 April, 2012	3 yrs. 3 yrs.	Joint research programme	DBT-ICT Centre for Energy Biosciences
55.	Wool Research Association, Thane	April, 2012 July 2022	5 yrs. 5 yrs	Joint research programme	Department of Fibres and Textile Processing Technology
56.	M/s Sanzyme Limited (Formerly Uni-Sankyo Limited)	May, 2012	3 yrs.	Joint research programme	DBT-ICT Centre for Energy Biosciences
57.	Trilok Food India	July, 2012 Sept 2015	3 yrs. 5 yrs.	Project entitled “Holistic approach for commercial processing of fruits and vegetables grown in western Maharashtra” under the supervision of Prof S.S. Lele	Department of Food Engineering and Technology
58.	Triple Pee Solution Pvt. Ltd. *	July, 2012	3 yrs.	Project entitled “Holistic approach for commercial processing of fruits and vegetables grown in western Maharashtra” under the supervision of Prof S.S. Lele	Department of Food Engineering and Technology
59.	Akzo Nobel India Ltd. (ANIL)	Sept, 2012	3 yrs.	Awards to students of B.Tech. (Department of Polymer and Surface Engg Technology)	Department of Polymer and Surface Engineering
60.	Saife Vetmed Pvt. Ltd.	Nov., 2012 Oct 2016 Oct 2016	Duration of product life	Joint research programme	Department of Pharmaceutical Sciences and Technology

61.	Yokogowa, Middle East	Nov., 2012	1 yr.	Student training programme	ICT
62.	Privi Organics Pvt.	Nov., 2012 Sept 2018	 Sept 2023	 Sponsored Ph.D. research programme	DBT-ICT Centre ICT
63.	Coca Cola Ltd.	Nov., 2012	3 yrs.	Joint research programme	ICT
64.	CSIR-Central Drug Research Institute (CDRI)	Nov., 2012	5 yrs.	Exchange of scholars, professional staff members, exchange of students for study and research at both institutions, promotion of joint research projects in the field of interest, exchange of research materials and information's and joint conference/workshop courses.	ICT
65.	Homi Bhabha National Institute, Mumbai	Nov., 2012	4 April, 2017		ICT
66.	Indian Institute of Chemical Technology, Hyderabad	Nov., 2012	5 yrs.	Joint research programme	ICT
67.	National Environmental Engineering Research Institute (NEERI), Nagpur	Nov., 2012	5 yrs.	Joint research programme	ICT
68.	National Chemical Laboratory, Pune	Nov., 2012	5 yrs.	Joint research programme	ICT

69.	Shivaji University, Kolhapur	Nov., 2012	5 yrs. 5 yrs.	Joint research programme	ICT
70.	India Glycols Ltd. Uttarakhand	April, 2009 April, 2009 Dec., 2012 Jan 2014 Nov 2017	5 yrs. 5 yrs. 2 yrs. 5 yrs.	Research project Procurement of equipment at Kashipur plant	DBT-ICT
71.	College of Engineering, Pune	Feb, 2013 February 2022	5 yrs. 5 yrs	 Collaborative Research programmes	ICT
72.	GlaxoSmithKline Consumer HealthCare Ltd., Gurgaon	Nov., 2012 Oct 2018	1 yr. 2 yrs.	R&D development of GlaxoSmithKline Consumer HealthCare Ltd., Gurgaon NDA (Prof M.S. Degani)	ICT
73.	Ethiopian Textile Industry Development Institute (TIDI), Ethiopia	Feb., 2013	3 yrs.	Collaborative Research programmes	Department of Fibres and Textile Processing Technology
74.	Cellworks Research India Pvt. Lt.	Feb., 2013	3 yrs.	Collaborative Research programmes	DBT-ICT
75.	Dr. Netar Prakash Scholarship (Avensa)	March, 2013	1 yr.		ICT

76.	Unilever Industries Pvt. Ltd.	April, 2013 - (umbrella mou) April 2016 – (Extn. Amemdment) Aug 2016 April, 2017 Dec 2017 Sept 2018 Oct 2018 Dec 2019 Feb. 2021 – (76(i) ICT renewed on 2021 to March 27, 2026_ Unilever Industries Ltd) June 2022 Jan 2023 Feb 2023 July 2023	3 yrs. 3 yrs. 1 yr 1 yr 1 yr 6 months 1 yr 1 yr 1 yr	Research collaboration Dr. A.W. Patwardhan Dr. P.D Amin project Prof. S.S. Bhagwat and Dr. J.S. Waghmare Dr. P.D. Amin Dr. P.D. Amin Prof. S.S. Bhagwat Prof. S.S. Bhagwat Prof. Prakash Vaidya	ICT
77.	Tata Chemical Ltd. for “Darbari Seth Chair of Inorganic Chemical Technology Endowment”	May, 2013		Darbari Seth Chair of Inorganic Chemical Technology Endowment	Department of Chemical Engineering
78.	Shri V.V. Mariwala Chair in Chemical Engineering	Aug, 2007		Shri V.V. Mariwala Chair in Chemical Engineering	Department of Chemical Engineering
79.	Professor M.M. Sharma Distinguished Professor of Chemical Engineering	April, 2008			Department of Chemical Engineering
80.	Dr. R. A. Mashelkar Chair in Chemical Engineering	April, 2008			Department of Chemical Engineering

81.	Shri Narotam Sekhsaria Distinguished Professor of Chemical Engineering	April, 2008			Department of Chemical Engineering
82.	CSIR-Indian Institute of Petroleum (IIP)	May 2013 Aug, 2016	5 yrs.	Collaborative Research programmes	ICT
83.	Michigan State University, USA	June, 2013 Jan 2017	5 yrs. Dec 2021	Collaboration for teaching and research activities Dual degree programme	ICT
84.	Washington State University, USA	March, 2013	5 yrs.	Collaborative research	ICT
85.	North Maharashtra University, Jalgaon	June, 2013 March 2018	3 yrs. 5 yrs.	Collaborative research programmes	ICT
86.	Kirloskar Integrated Technologies Ltd.	July, 2013	3 yrs.	Research collaboration	ICT
87.	ADDIS ABABA Science and Technology University, Addis Ababa, Ethiopia	Sept, 2013	3 yrs.	Collaborative research programmes	Department of Fibres and Textile Processing Technology
88.	EID Parry (India) Ltd.	Oct, 2013 Feb 2019	5 yrs. 3 yrs	Consultation for extraction of tomato Lycopene project Project related to sugar production, alcohol production and algal technolgies	ICT DBT
89.	Queensland University of Technology, Australia	July, 2008 Nov., 2013	3 yrs. 5 yrs.	Joint PhD between QUT and the lCT	DBT-ICT Centre for Energy Biosciences

90.	Sir Dorabji Tata Reader in Pharmaceutical Chemistry	March, 2013		Sir Dorabji Tata Reader in Pharmaceutical Chemistry	Department of Pharmaceutical Sciences and Technology
91.	Institute of Science, Mumbai	Jan., 2014		Collaborative research programmes	ICT
92.	Universitat De Valencia (Spain)	Feb., 2014	4 yrs.	Academic relationships	ICT
93.	Glenmark Research Centre (Non Disclosure Agreement)	Feb., 2014 Aug 2019	Feb., 2024	NDA for research project under Dr. V.N. Telvekar Collaborative research programmes	Department of Pharmaceutical Sciences and Technology
94.	Reliance Technology Group (Non Disclosure Agreement)	Feb., 2014	1 yr.	Non Disclosure Agreement for research programme	ICT
95.	Tata Institute of Social Sciences	April, 2014	5 yrs.	Collaborative research programmes	ICT
96.	ONGC Energy Centre Trust	Oct, 2014	2 yrs.	Research project under the supervision of Prof G.D. Yadav	ICT
97.	Bursa Technical University, Turkey	Jan., 2015	Till 2019	Student and academic staff exchange programme	Department of Fibres and Textile Processing Technology
98.	Indian Oil corp. Ltd. (IOCL)	April, 2015 Nov. 2017	20 yrs.	Collaborative programme for industry interaction	ICT

99.	Asian Paints Ltd.	May, 2015 Oct, 2016	3 yrs. 4yrs.	Collaborative research project	Department of Polymer and Surface Engineering
100.	National Institute of Technology, Warangal	March, 2014	5 yrs.	Collaborative research programmes	ICT
101.	Kanoria Chemicals & Inds. Ltd.	Jan, 2015 July 2021	2 yrs. July 2022	Collaborative research project	ICT
102.	Sinhagad Technical Education Society, Pune	January, 2014	5 yrs.	Collaborative research programmes	ICT
103.	Shri Mayur B. Khairat, DBT Centre	Nov., 2014			DBT-ICT Centre for Energy Biosciences
104.	Evonik Industries	Feb., 2014	5 yrs.	Collaborative research project	DBT-ICT Centre for Energy Biosciences
105.	Board of Research in Nuclear Sciences (BRNS), Bhabha Atomic Research Centre (BARC)	Nov., 2013	2 yrs.	Project entitled "Development of computer code to predict flux distribution on receiver surface of solar power test facility"	ICT
106.	MAS Fabrics Pvt. Ltd. & ICT	August, 2014	5 yrs.	Collaborative research project	ICT
107.	Coca Cola Company	June, 2014	3 yrs.	Joint research programme	ICT
108.	Dr. K.K.G. Menon Memorial Lecture Endowment	April, 2015			ICT

109.	Enhancement of the Endowment corpus of Bharat petroleum (BPCL) Distinguished Professorship in Chemical Engineering	Jan, 2015			Department of Chemical Engineering
110.	L'oreal India	June, 2013	5 yrs.	Students training programme	ICT
111.	ESSILOR R&D Centre, Singapore	Oct., 2014	2 yrs.	Joint research programme	ICT
112.	Agilent Technologies	May, 2009 Oct., 2013	3 yrs. 18 months	Collaborative research	Department of Pharmaceutical Sciences and Technology
113.	Zim Laboratories Ltd.	August, 2014	3 yrs.	Collaborative research under the supervision of Prof P.V. Devarajan	Department of Pharmaceutical Sciences and Technology
114.	DBT - M.Tech. Bioprocess Technology	July, 2013			ICT
115.	NDA Godrej Industries Ltd.	Feb., 2015	3 yrs.	Research and development	ICT
116.	Dr. Ramesh Y. Mantri Distinguished Masters Fellowship for Perfumery and Flavour Technology	January, 2015			Perfumery and Flavour Technology
117.	Central Pulp and Paper Research Inst (CPPRI)	June, 2015	5 yrs.	Research collaboration	ICT

118.	Dr. B.P. Godrej Dist Professor of Green Chemistry and Sustainability Engineering	June, 2015			ICT
119.	Evonik India Pvt. Ltd.	Aug 2015			ICT
120.	DBT approved project entitled "As anticancer agent … for breast cancer" under Dr. Prajakta Dandekar Jain	Aug 2015	3 yrs.		Department of Pharmaceutical Sciences and Technology
121.	InNow LLC, USA	Sept 2015 Feb 2017 Jan 2018	3 yrs 5 yrs. 6 months		ICT
122.	Engineers India Ltd. (EIL)	Sept 2015 July 2020	5 yrs. 5 yrs.	Research collaboration Research collaboration	ICT
123.	NDA Dr. Rupali Walia	Sept 2015	Till services of Dr. Walia	Appointment as Overseas Research Fellow	ICT
124.	NDA Mr. Abhinandan P. Dhavale	Sept 2015	Till services of Mr. Dhavale	Appointment as Process Engineer	ICT
125.	Yashwant Group of Industries	Oct 2015		Collaborate in different areas of research, process and product development	ICT
126.	Shri Tradco India Pvt. Ltd.	Oct 2015		Collaborate in different areas of research, process and product development	ICT
127.	Marathi Vigyan Parishad	Nov 2015	5 yrs.	To develop technologies for the welfare of society and to develop scientific temper in the areas of mutual interest	ICT
128.	Essilor International, Singapore	Nov 2015	1 yr.	Research project to develop blue dye and UV absorber compatible with CR-39 system	Department of Dyestuff Technology

129.	University of Petroleum and Energy Studies, Dehradun	Dec 2015	3 yrs.	Collaborative research, teaching, and outreach	ICT
130.	NDA- Siemens Ltd.	Dec 2015	2 yrs.	Project with deliverables defined for optimization chemical process/unit operations using advanced control philosophy	ICT
131.	Dr. Hedgewar Smruti Sewa Prakalp, Sawantwadi	Jan 2016	2 yrs.	RGSTC supported “Wine production unit - Microbrewery Demo Plant”	ICT
132.	Pt. Deendayal Petroleum University, Gandhinagar	Jan 2016	3 yrs.	Cooperative activities like research, Faculty Training, Students Internship, Joint Ph.D program, Teaching and outreach	ICT
133.	Resonance Specialties Ltd.	March 2016	3 months	Research project	ICT

134.	Aditya Birla Group (a) Sponsored Research Agreement (b) Industry Academics Interaction (c) Senior Research Doctoral Fellowship (d) Non-Disclosure Agreement (e) Research project (f) Non-Disclosure Agreement (g) Project agreement (h) Project agreement (i) Project agreement (j) Project agreement (k) Project agreement	April 2016 Oct., 2017 Feb, 2018 Aug 2018 August 2018 March 2019 July 2019 Aug 2018 Nov 2019	3 yrs. 6 months 3 years 1 yr Aug 2021 Feb 2019 Sept 2019 Jan 2020 April 2020 Jan 2020	Sponsored Research Agreement Industry Academics Interaction Senior Research Doctoral Fellowship Project titled ”Evaluation of advanced technologies for waste water treatment of Aditya Birla Group’s plant” Project titled “Waste water treatment’ under Prof AB Pandit Project titled “Application of dietary fibres (Soluble and Insoluble) in bakery products” Application of dietary fibers (Soluble and Insoluble) in bakery products Application of dietary fibers (Soluble and Insoluble) in bakery products Analysis of diatery fibers : Prebiotic and other relevant study to evaluate the dietary fibers properties Application of dietary fibers (Soluble and Insoluble) in bakery products Analysis and development of cost effective methods for producing polymers used in wall putty with desired properties project under Prof S.T. Mhaske	ICT

135.	(a) Hindustan Unilever Industries Pvt. Ltd. (b) Hindustan Unilever Industries Pvt. Ltd. (SSB) (c) Hindustan Unilever Industries Pvt. Ltd. (STM) (d) Hindustan Unilever Industries Pvt. Ltd. (RVA) (e) Hindustan Unilever Industries Pvt. Ltd.	April 2016 May 2016 March 2017 May, 2018 Sept 2018	1 yr. 1 yr. 1 yr. 1 yr. 6 mths	Project entitled "Oil-water interfacial tension of Polymerized oils in presence of surfactants" Project entitled "Detergent Powders Laundry" Project entitled "Bio Polymers for responsible growth" To evaluate efficacy of the natural dye formulation as Hair Dye In-vitro skin deposition studies FITC labelled protein	ICT
136.	Johnson and Johnson Pvt. Ltd.	April 2016	5 yrs.	Research project titled "Development of Novel Stimuli Responsive Delivery System" under Prof P.R. Vavia	ICT
137.	Maladi Drugs and Pharmaceuticals Ltd. (a) and (b)	April 2016 April 2016	18 months 15 weeks	Collaborative R&D project entitled "Dynamic Kinetic Resolution of D-Ephedrine to L-Ephedrine" Collaborative R&D project entitled "Process intensification of existing catalytic process for synthesis of phenylpropanol-amine and development of novel catalyst for higher yield"	ICT
138.	Curtin University of Technology, Australia	May 2010 May 2016	3 yrs. 3 yrs.	Collaborative research	ICT
139.	Marico Ltd.	June, 2016 Dec 2019	5 yrs. Dec 2020	R&D programmes Sponsored programme under Prof RS Singhal	ICT

140.	Central Institute of Plastic Engg. and Tech. (CIPET)	June, 2016	5 yrs.	Cooperative activities in research, and exchange of faculty and research scholars.	ICT
141.	Harvard College, USA (a) (b)	July, 2016 July 2018 March 2019	3 yrs. 7 months 1 yr.	Collaborative research Collaborative research Collaborative research	ICT
142.	Privi Biotechnologies Pvt. Ltd.	August, 2016	1 yr.	Fat Modification Technology project	ICT
143.	Queens University of Belfast	Oct 2016	3 yrs.	Student and academic staff exchange programme	ICT
144.	Maharashtra Rajya Marathi Vishwakosh Nirmiti Mandal, Mumbai	May 2016	3 yrs.	Updatation of Marathi Vishwakosh in Engineering and Technology	ICT
145.	Hebrew University of Jerusalem	Oct, 2016	5 yrs.	Student and academic staff exchange programme	ICT
146.	Tel Aviv University	Oct 2016	5 yrs.	Collaboration for teaching and research activities	ICT
147.	University of Manchester	Nov 2016	3 yrs.	Research, education, the application of scientific knowledge in the broad area of chemical engineering and materials	ICT
148.	Synthetic and Art Silk Mills' Research Association (SASMIRA)	Nov 2016 July 2017	5 yrs. 5 yrs.	Collaborative programs	ICT
149.	Jubilant Life Sciences Ltd.	Sept 2016	Sept 2018	Evaluating, validating and using ICT's proprietary Technology & Know How as well as process for establishment of pilot and commercial plants at Jubilant's manufacturing units	ICT
150.	Gencrest LLP	Nov 2016	3 yrs.	Business Relationship relating to the Enzymes business in India	ICT
151.	Bermaco Consulting LLP	Nov 2016	1 yr.	Joint development project on consultancy for supply of Biomass fuel for pilot and commercial plants	ICT
152.	Novozymer	Aug, 2010		Sample request agreement	DBT

153.	PepsiCo International	April 2008	5 yrs.	Non-disclosure agreement regarding "Developing, manufacturing, packaging and marketing snack and other food products"	DBT
154.	Resindion S.r.l., Italy	March 2005	3 yrs.	R&D on "Investigation of relative non-specific binding on Sepabeads protein adsorbents for all types and functionalities of resins	DBT
155.	Mitsubishi Chemical Corp, Japan	Feb 2007 April 2019	 April 2020	 Research programme under Prof. P.R. Vavia	DBT Pharma
156.	Godavari Biorefineries Ltd	Dec 2016 May 2017 Sept 2018 August 2021 1st July, 2023 to 31st Mach, 2024	 1 yr. 3 yrs 1 yr. 1 yr.	R&D in Biotechnology, Chemistry, Polymer chemistry and Sugar conversion Non Disclosure agreement Project entitled "Use of molasses as draw solution in forward Osmosis application of specific interest to Godavari Bio-refineries and exploration of associated opportunities for innovation" Project under the supervision of Professor G.D. Yadav Consultant under the supervision of Professor P.D. Vaidya	ICT
157.	Lactose India Pvt.Ltd.	Jan 2017	2 yrs.	Technology transfer in the area of specification of Lactulose of pharma grade	ICT
158.	ICAR-Central Institute of Fisheries Education (CIFE)	Jan 2017	2 yrs.	Technology transfer in the area of medical and pharmaceutical grade of chitosan	ICT
159.	University of Aix Marseille	Feb 2017			ICT
160.	Mangalore Refinery and Petrochemicals Ltd. (MRPL)	Feb 2017	5 yrs.	Evaluation, validation and use ICT's Proprietary Technology developed at the DBT-ICT Centre	ICT

161.	Abhay Nutrition Pvt.Ltd.	Aug 2016 Sept 2018	3 yrs. 5 yrs	Pilot level scale up of the process Technology for manufacture of abiosurfactant and processed meals as an ingredient(a project funded by Rajiv Gandhi science and technology Commission RGSTC of Govt. of Maharashtra) Sponsored Ph.D. research programme	ICT
162.	Science for Society Techno Services Pvt.Ltd. (S4S)	March 2017	4 yrs.	Support Project Work of PhD students in Polymer and Surface engineering discipline	ICT
163.	Amaterasu Lifesciences (a) Amaterasu Lifesciences	March 2017 Oct 2018	3 yrs.	Research in health care industry under Prof Padma Devarajan Arteether-Lumefantrine depot injection developed	ICT
164.	Equinox Environments (I) Pvt. Ltd.	May, 2017	2 yrs.	To promote and enhance scientific and academic co-operation and interaction between ICT and EElPLin mutually beneficial areas and to work jointly on environmental projects	ICT
165.	Raj Petrospecialities Pvt.Ltd.	May, 2017	1 yr.	To-develop natural esters for use as dielectric and heat transfer material in electrical equipment such as transformers	ICT
166.	L&T Hydrocarbon Engineering Ltd.	May, 2017	10 yrs.	To provide services for process license, technology know how, Basic and detailed Engineering, procurement, Construction (EPC) or Engineering, Procurement and Construction Management (EPCM) and if required Operation and Maintenance (O&M) services of plants based on the DBT-ICT 2-G Ethanol Technology in domestic and International markets	ICT

167.	National Institute of Pharmaceutical Education and Research (NIPER), Guwahati	June, 2017	5 yrs.	Teaching. research and training in selected and advanced thrust areas in science & technology	ICT
168.	INDO Amines Ltd.	May 2017 May 2021	1 yr . 5 yrs	to discuss on products Manufactured by INDO Amines Ltd (IAL), and present working Projects of the Technology and products developed by IAL during the discussion IAL shall share with ICT information with respect to the Product, Projects and Manufacturing process developed by IAL Sponsored Ph.D, project	ICT
169.	Hindustan Aeronautics Ltd.	July 2017	7 months	Development of NDT methodology for Monitoring Health of Glue Joint and supply of test procedure documentation, specification of Equipment/test set up along with source of supply	ICT
170.	Gencrest LLP	July 2017	2 yrs.	Contemplating a Business Relationship relating to the Enzymes business in India	ICT
171.	Kesar Petroproducts Ltd.	July, 2017	3 yrs.	Non disclosure agreement	ICT
172.	Foundation for Environment Monitoring (FFEM), Bangalore	August, 2017	5 yrs.	Collaboration of joint Govt. proposals	ICT
173.	Thinkstep Sustainability Solutions Pvt Ltd	Oct., 2017	5 yrs.	Joint research collaboration	ICT
174.	Savitribai Phule Mahila Ekatmata Samaj Mandal & Science for Society Technoservices Pvt. Ltd.	August, 2017		Heat based cold storage unit for agriculture products	ICT
175.	Dongguk University College of Engineering, Korea	Nov, 2017	5 yrs.	Student and academic staff exchange programme	ICT

176.	~~Vidyan Bio-Commerce Pvt Ltd, Thane and India Glycols Ltd., Uttarakhand~~	~~Oct, 2017~~	~~1 yr.~~	~~Distillery spent wash technology developed at DBT~~ **CANCELLED**	~~DBT-ICT~~
177.	Sigma Corp.	Nov. 2017	3 yrs.	NDA proposal titled "Energy Efficient Gear Oils and/or De-aromatisation of Kerosene Oil without Acid Treatment"	ICT
178.	Aban Infrastructure Ltd., Chennai	Nov. 2017	3 yrs.	NDA proposal titled "Single cell oil production from waste oils using oleaginous yeasts for oleochemical and other novel application"	
179.	Asian Research Network Korea, Korea	Nov. 2017	3 yrs.	Collaborative relations in all aspects of basic science, engineering and technology research and development	ICT
180.	Nippon Synthetic Chemical Industry, Japan	July, 2017	9 months	Research programme on "Testing of PVA-OKS-5065, PVA-KH-20 and PVA EG-48 CRM Polymers for sustained release polymer performance"	ICT-Professor PR Vavia
181.	Kaust, Saudi Arabia	Dec 2017	April-June, 2018	CRF-CRG 2017 Project titled "Exploring the origins of hydrophobic interactions via ultrasensitive force spectroscopy and first principles calculations"	ICT
182.	Technip India Ltd.	Dec 2017	Dec 2027	2G-Ethanol Technology – support for methodology for implementation of the project	DBT-ICT
183.	University of Newcastle	Feb 2018	Feb 2023	Design and development of advanced catalytic materials for various organic and petrochemical transformations	ICT
184.	UDCT 1968 B.Chem.Engg. alumni project	Feb 2018	Nov 2018	Upgradation of Chemical Engineering Lab	ICT
185.	SUMWIN Solutions, Malaysia	Feb 2018	Feb 2023	Research project	ICT
186.	Indofil Industries Ltd.	Feb 2018	Feb 2028	Project of PhD students from Department of Pharmaceutical Sciences and Technology	ICT
187.	Prova Technotrade Pvt. Ltd (NDA)	Dec 2017	Dec 2020	Research project	ICT
188.	Novozymers Group Entity NDA	Jan 2018 August 2019	Jan 2020 August 2021	Disclosure and sampling agreement Disclosure and sampling agreement	DBT-ICT
189.	Wipro Foundation	Feb 2018	Feb 2021	Research collaboration	ICT
190.	Kumar Metal Industries, Thane	March 2018	March 2023	Research collaboration	ICT

191.	Synthite, Kolenchery, Kerala	March 2018	March 2023	Research collaboration	ICT
192.	FINBIZ Integration Adviors LLP, Mumbai (a) FINBIZ Integration Adviors LLP	May, 2018 Aug 2018	May 2020 May 2020	Municipal waste treatment technology at DBT-ICT Extension of earlier MOU	ICT
193.	NDA D.G. Ruparel College	May, 2018	May, 2019	Technology for isolating Ulvan from Green Seaweeds	DBT-ICT
194.	NDA Hudson Robotics, USA	June 2018	June 2021	Automation of Biomass QC process and related Technology and Knowhow	ICT
195.	EdCIL (India) Ltd, Noida	April 2018 April 2022	March 2019 March 2025	Study in India Programme of MHRD	ICT
196.	NDA Reliance Industries Ltd.	March 2018	Sept 2018	Explore possibility use supercritical CO_2 extraction facility of University by Reliance to extract and quantify lipid solu ble pigments from algae biomass	ICT
197.	Confederation of Indian Industry (CII), Miss Sonam V. Sancheti and Asian Paints Ltd.	Jan 2017	Dec 2020	Prime Minister's Fellowship Scheme for Doctoral Research	ICT
198.	IIT-Kharagpur	June 2018 Dec 2019	June 2023 Dec 2027	Campus for ICT - Indian Oil Odisha Campus, Bhubaneswar Joint M.Tech. Executive Programme in Process Engineering	ICT
199.	Aditya Birla Science and Technology Co Pvt. Ltd.	July 2018 April 2019	July 2023 Oct 2019	Sponsored Ph.D. Research agreements Sponsored Research project under Dr. Parag Gogate	ICT
200.	NDA TOYO Engineering India Pvt Ltd	July 2018	July 2028	2G ethanol technology	DBT-ICT
201.	NDA TATA Lauren Engineers and Constructors	July 2018	July 2028	2G ethanol technology	DBT-ICT
202.	NDA Punj Lloyd Ltd.	July 2018	July 2028	2G ethanol technology	DBT-ICT
203.	NDA Fluor Engineering Corp.	July 2018	July 2028	2G ethanol technology	DBT-ICT
204.	Aston University, UK	July 2018	July 2023	2G ethanol technology – Modelling and Life Cycle Analysis (LCA)	DBT-ICT

205.	OCT Therapies and Research Pvt. Ltd., Mumbai	July 2018	July 2020	Collaboration for Advanced wound care products	DBT-ICT
206.	DSM India Pvt. Ltd.	July 2018	July 2021	To develop a coating using DSM polymer from its speciality product range for special application	ICT
207.	Homi Bhabha National Institute 207(a) Renewal MOU	July 2018 21July,2023	July 2023 20July, 2028	Education and research – academic programmes	ICT
208.	University of Newcastle, Australia	Sept 2018	Sept 2023	Dual degree programme	ICT
209.	ONGC Energy Centre Trust	July 2018	Dec 2019	Research project under Dr. Surajit Some	ICT
210.	(a) Covestro (I) Pvt. Ltd. (b) Covestro (I) Pvt. Ltd. (c) Covestro (I) Pvt. Ltd.	Aug 2018	July 2020	Warming and insulation for open poultry sheds (VHD) PU-PCM Cold storage (STM) PU AS Flame Retardant (BNT)	ICT
211.	Adya Innovationz Pvt. Ltd.	Sept 2018	Sept 2028	Technology sharing for designing, fabricating and marketing of dairy milk chilling	ICT
212.	Mangalam Organics Ltd	Sept 2018	Sept 2019	Project under Dr. Parag Gogate entitled “Development of improved process for (i) Synthesis of catalyst and subsequent use for isomerization of pinene to T+C, (ii) Desulfurization of TO”	ICT
213.	Merck Ltd.	Oct 2018 Nov 2018	Sept 2021	Project title “Improve the bioavailability of Vitamin B12” under Prof P.D. Amin and Prof S. Sathaye Termination of agreement for Masters fellowships to Pharmaceutical girl students	Department of Pharmaceutical Sciences and Technology
214.	Excel Industries Ltd.	Aug 2018	Aug 2023	Technologies for cultivating and harvesting of seaweeds on-shore and off-shore platforms at DBT-ICT	ICT
215.	Shiksha ‘O’ Anusandhan Deemed to be University (SOADU), Bhubaneswar, Odisha	Oct 2018	Oct 2023	Academic interactions with SOADU	ICT

216.	GP Petroleums Ltd	Oct 2018	Oct 2023	Research Project	ICT
217.	Mettle Innovations, Pune	Nov 2018	Nov 2021	Research project on maternal and child nutrition	ICT
218.	Lupin Ltd.	Nov 2018	Nov 2019	Development of SMB separation technology for vital molecules	DBT-ICT
219.	Zetex Biotech Pvt. Ltd.	December 2018	December 2023	Molecular Biology, Industrial Biotechnology and Agricultural Biotechnology	ICT
220.	The Woolmark Company, Australia	December 2018	December 2021	Wool Science, Technology and Design Education Programme	Department of Fibres and Textile Processing Technolog Y, ICT
221.	NDA Roquette Asia Pacific Pte. Ltd., Singapore	December 2018	December 2020	Research collaboration related to “Synthesis of Pseudo affinity adsorbent and evaluation of the adsorbent application into Bio separation and purification”	ICT
222.	Rajshree Sugars and Chemicals Ltd., Coimbatore	December 2018	December 2023	Collaboration of technologies	DBT-ICT Centre for Energy BioScience s
223.	Pyramid Consulting Engg. Pvt. Ltd., Thane	December 2018	December 2023	Collaboration of technologies	DBT-ICT Centre for Energy BioScience s
224.	Gexcon India Pvt. Ltd., Pune	January 2019	January 2024	Develop Centre of Excellence	ICT
225.	Shimadzu Analytical India Pvt Ltd.	January 2019	January 2024	Sponsored Ph.D. research agreement	ICT
226.	A-1 Fence Products Co. Pvt. Ltd.	February 2019	February 2022	Research project entitled “To develop a polymer based composite to be filled in the Hollow tubes of a Fence system”	ICT
227.	VAV Lipids Pvt. Ltd.	February, 2019	February 2021	Research project	ICT
228.	NDA Midad Chemical Co. Ltd., Saudi Arabia	January, 2019	January, 2021	Research project	ICT
229.	Aether Industries Ltd., Surat	March 2019	March 2024	Sponsored Ph.D. research agreement – 2 students for 4 years	ICT
230.	Sun Pharma Advanced Research Co. Ltd.	Feb 2019 July, 2021	Feb 2025 June 2023	Sponsored Ph.D. research agreement Sponsored project under Prof PR Vavia	ICT ICT

231.	Cleanchem Laboratories LLP	March 2019	March 2024	Sponsored Ph.D. research agreement	ICT
232.	Aarti Industries Ltd.	April 2019	March 2023	Sponsored Ph.D. research agreement	ICT
233.	Sairaj Trade Link	May 2019	May 2020	Housekeeping of ICT campus and its buildings	ICT
234.	Serum Institute of India Pvt Ltd	May 2019 Dec 2021	May 2022 Dec 2024	PhD research project PhD research project	ICT
235.	ICPA Health Products Ltd	Jan 2019	Nov 2019	Research project	ICT
236.	RGSTC and Kolhapur Zilla Sahakari Dudh Utpadak Sangh (Gokul)	May 2019	--	ICT-Gokul Technology – milk chilling project with Prof S.S. Bhagwat	ICT
237.	Usak University, Turkey	July 2019	July 2024	Mevlana Exchange Programme – Student exchange programme	ICT
238.	Aspectech International Development Research Foundation, Mumbai	July 2019	July 2021	Collaborative programme	DBT-ICT
239.	OC Specialities Pvt. Ltd. (OCSPL), Mumbai	July 2019	July 2024	PhD research programme under Dr. G.U. Chaturbhuj	ICT
240.	Maharashtra Inst of Tech Aurangabad with ICT-Jalna	Aug 2019	Aug 2024	Collaborative programme	ICT, Jalna
241.	Confederation of Indian Industry (CII), Mr. Manoj J. Dev and HiMedia Laboratories Pvt. Ltd., Mumbai	Jun 2019	June 2023	Prime Minister's Fellowship Scheme for Doctoral Research	ICT
242.	University of Castilla-La Mancha, Spain	Aug 2019	Aug 2023	Collaborative programme	ICT
243.	Sahyadri Shikshan Santa's Gonvindrao Nikam College of Pharmacy, Sawarde	Aug 2019	Aug 2024	Collaborative programme	ICT
244.	Cyber Security Corp., Pune	Aug 2019	July 2020	Cyber Security related Training faculties and students	ICT
245.	NDA Infirita Biotech Pvt. Ltd., Vadodara	Aug 2019	--	Non Disclosure Agreement	DBT – ICT
246.	Assam Royal Global University, Assam	Sept 2019	Sept 2024	Collaborative research programme	ICT
247.	Enzene Biosciences Ltd., Pune	Aug 2019	Aug 2029	Collaborative research programme with Dr. Ratnesh Jain	ICT

248.	Guru Gobind Singhji Institute of Engineering and Technology, Nanded	October 2019	October 2024	Academic research exchange programme	ICT all campuses
249.	Matsyodari Shikshan Sanstha, Jalna	October 2019	October 2024	Academic research exchange programme	ICT, Jalna campus
250.	CRU Hungary Ltd, Hungary	September 2019		Collaborative research project under Indo-Hungarian Inter-Governmental Science and Technology programme with Dr. Sadhana Sathye	ICT
251.	BLDE, (Deemed to be University), Vijayapura, Karnataka	Oct 2019	Oct 2014	Academic research exchange programme	ICT
252.	Permiconics Membranes Pvt. Ltd., Vadodara	Aug 2019	Aug 2029	2 G Ethanol Technology	DBT-ICT
253.	Richcore Lifesciences Pvt. Ltd., Bangalore	Aug 2019	Aug 2021	Collaborative research	ICT
254.	University of Limerick, Ireland	October 2019		Research collaboration	ICT
255.	(a) BR Specialities LLP, Sonepat, Haryana (b)	October 2019 October 2019	October 2020 October 2020	Research project “Research and Development of Speciality Chemicals using Biotechnology” under Prof R.V. Adivarekar Research project “Development of Speciality Chemicals” under Prof R.V. Adivarekar	ICT
256.					
257.	Kelvion India Pvt Ltd, Pune	October, 2019	October 2029	Construction of Heat Exchanger	DBT-ICT
258.	S. Amit & Co., Mumbai	November, 2019	November, 2022	Indo-UK project “Economic nonfood sugar from variable mixed and solid waste for high value chemical products”	DBT-ICT
259.	Defiant Renewables Pvt. Ltd., Pune	August, 2019	March, 2022	Indo-UK project “Economic nonfood sugar from variable mixed and solid waste for high value chemical products”	DBT-ICT
260.	NDA Texol Engineers Pvt. Ltd.	October 2019	October 2021	Exchange of information and possible future collaboration	DBT-ICT
261.					

262.	NDA Akseera Pharma Corporation	September 2019	October 2022	Project “Designing a suitable route(s) for synthesis of drug intermediate(s)” under Prof G.U. Chaturbhuj	ICT
263.	Precision Wires India Ltd.	November 2019	November 2022	Research Project under the supervision of Dr. Anagha Sabnis	ICT
264.	Central Institute of Technology, Kokrajhar	November 2019	November 2024	Research project collaboration	ICT
265.	J.B. Joshi Research Foundation	December 2019	December 2024	Develop technologies for the welfare of society	ICT
266.	Sabic Research and Technology Pvt Ltd., Bangalore, Karnataka	March 2019	March 2024	Research collaboration	ICT
267.	Indian Rare Earths Ltd. Technology Development Centre, Odisha	November, 2019	November, 2021	Project “Treatment of wastewater containing primary amines using novel approach of combined hydrodynamic cavitation and oxidation processes”	ICT
268.	Lifescient, Inc., Nevada Corp., USA	August 2019	March 2020	Research project Prof. P.D. Amin and Prof. Sadhana Sathaye	ICT
269.	Rasayan Inc., California, USA	Dec 2019	Dec 2021	Research project under Dr. Anant Kapdi	ICT
270.	Sion Hospital	Jan 2020		Medical facility for faculty, support staff and students	ICT
271.	Navin Fluorine International Ltd.	Jan 2020 April 2020	Jan 2021 April 2025	Development of efficient synthetic route for the identified list of atleast ten Trifluoro methylated derivatives based commercially relevant molecules under Prof. Anant Kapdi Sponsored PhD research programme	ICT`
272.	Jalna Education Society’s R.G. Bagdia Arts, S.B. Lakhotia Commerce and R. Benzonji Science College, Jalna	Jan 2020	Jan 2023	Research activities	ICT
273.	College of Engineering and Technology, Bhubaneswar	April 2019	April 2024	Academic activities	ICT-IOC Bhubaneswar

274.	Aquakraft Projects Pvt.Ltd., Mumbai	Feb 2020 Dec 2020	Feb 2023	Setting up of SDG Innovation Lab and water management Setting up of SDG Innovation Lab	ICT
275.	Organica Biotech Pvt Ltd	Feb 2020	Feb 2022	Research and development of technologies	DBT-ICT
276.	BITS, Pilani	Feb 2020	Feb 2025	Establishment of Centre of Excellence in Process Intensification	ICT
277.	Security Printing and Minting Corp of India Ltd, New Delhi	July 2020	June 2023	Research and development of technologies for security inks and materials, etc.	ICT
278.	Cleanergy Tech Solutions Pvt. Ltd., Pune and Rajiv Gandhi Science and Technology Commission	July 2020		Heat based refrigeration unit for fruits and vegetables – project under Professor S.S. Bhagwat	
279.	NDA John Deere India Pvt. Ltd., Pune	August 2020	July 2025	Sponsored project for Ph.D. thesis work	ICT
280.	Akseera Pharma Corp., Canada	March 2020			
281.	Institute of Bioresources and Sustainable Development (IBSD)	October 2020	September 2025	Collaborative research	ICT
282.	ICT, Bhubaneswar and CET	August 2020	July 2030	Maintenance of ICT Centre for Advanced Instrumentation Facility (ICAIF)	ICT, Bhubaneswar
283.	NDA S.H. Kelkar and Company Ltd.	October 2020	--	Collaborative research	ICT
284.	CRU Hungary Ltd., Hungary	December 2020		IPR Agreement	ICT
285.	Grasim Industries Ltd.	April 2020	March 2025	Sponsored Ph.D. research agreement	ICT
286.	SRM University, Andhra Pradesh	Nov 2020	Oct 2025	Collaborative research	ICT
287.	Salicylates and Chemicals Pvt Ltd. (SCPL)	Dec 2020	Nov 2025	Research project under the supervision of Prof G.D. Yadav	ICT
288.	Bombay Textile Research Association (BTRA)	Feb 2021	Jan 2026	Collaborative research	ICT
289.	Momentive Performance Materials Inc, Delaware, USA	May 2020	April 2021	Collaborative research	ICT`

290.	CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram	March 2021	March 2026	Collaborative research	ICT
291.	Minonim Life Sciences LLC, USA	April 2021	March 2023	Collaborative research under the supervision of Prof Prashant Kharkar	ICT
292.	Beej Sheetal Research Pvt Ltd.	March 2021	March 2026	Company Sponsored 8 Ph.D. candidates	ICT
293.	Temple University, USA	July 2021	--	Dual degree Ph.D. programme in Pharmaceutical Sciences	ICT
294.	Guru Nanak college of Arts, Science and Commerce, GTB Nagar, Mumbai	July 2021	July 2026	Collaborative research	ICT
295.	Kokan Sindhu Multi Fruit Cluster Foundation, Mangaon	August, 2021		Collaborative research	ICT
296.	Guru Nanak Khalsa College, Matunga, Mumbai	October 2021	October 2026	Collaborative research	ICT
297.	Cryogen Instruments India Pvt. Ltd	October 2021	October 2022	Manage and operate NMR facility	ICT
298.	Gail India Ltd	November, 2021			
299.	UPL University of Sustainable Technology, Bharuch	November, 2021	November, 2024	Research project	ICT
300.	Yogesh Kothari	December, 2021		Establishment of Kusumben and Babaseth Kothari and Professor M.M. Sharma Distinguished Doctoral Fellowship and establishment of a Tinkerer's Laboratory	ICT
301.	CSIR-Central Institute of Medicinal and Aromatic Plants (CIMAP) Luncknow	December, 2021	December, 2026	Collaborative research	ICT
302.	MIT School of Bioengineering Sciences and Research, Loni Kalbhor, Pune	December 2021	December, 2026	Collaborative research	ICT
303.	Shogun Organics Ltd.	December 2021	October 2022	Sponsored project under the supervision of Dr Anant Kapdi	ICT

304.	Maharashtra State Faculty Development Academy_MSFDA	January 2022	March 2025	Research project collaboration	ICT
305.	Rasayan Inc._ RI_California USA	December 2021	December 2023	Research project under Dr. Anant Kapdi	ICT
306.	Rossari Biotech Ltd RBL, Mumbai	January 2022	January 2027	Research project collaboration	ICT
307.	Syngene International Ltd, Bangluru	February 2022 November 2022	February 2023 November 2023	PhD program in ICT employees of Syngene Research project under Dr. G.S. Shankarling	ICT
308.	Viridis Biopharma Pvt. Ltd., Mumbai	April, 2022	March 2027	Research project collaboration	ICT
309.	Proposal for Dr K H Gharda Chair Professor	June 2022		Proposal for Establishment of Dr K H Gharda Chair Professor in Chemical Engineering	ICT
310.	ETS India Pvt Ltd, New Delhi	June 2022	May 2027	Training workshop for students aspiring to pursue their higher studies abroad	ICT
311.	Vaidya Sane Ayurvedic Lab, Madhavbaug	June 2022	May 2023	Food and medicinal product development	ICT
312.	ICAR-Central Institute for Research on Cotton Technology (CIRCOT), Mumbai	July 2022		Joint research collaboration	ICT
313.	Thapar Institute of Engineering & Technology (TIET)	May 2022	May 2025	Joint research collaboration	ICT
314.	ITM University, Gwalior, MP	August, 2022	August, 2027	Joint research collaboration	ICT
315.	Thermax Ltd.	Sept 2022	June 2023	Research project under Prof B.M. Bhanage	ICT
316.	K. Patel Chemo Pharma Pvt. Ltd., Mumbai	Feb 2022	Feb 2023	Two sponsored Ph.D. programmes	ICT
317.	Surface Coating Society	Sept 2022	Sept 2027	Research activities like conducting workshops, skill development certificate courses with Surface Coating Department	ICT
318.	Synectics Bioscience Pvt. Ltd.	October 2022	October 2023	Research project under Dr. Parag Nemade	ICT
319.	UPL Limited	Sept 2022 March 2023	Sept 2027 March 2031	Sponsored Ph.D. Research programme Sponsored project	ICT
320.	Deepak Nitrite Ltd.	October 2022	October 2023	Research project under Professor S.T. Mhaske	ICT

321.	NDA-Sun Shine CBG-CNG Pvt. Ltd., Pune	November 2022	October 2027	Collaboration for protein recovery and biogass production from Napier Grass under the supervision of Dr. Annama A Odaneth	ICT
322.	Greenshift Energy Pvt Ltd	November 2022	November 2023	Facilities and infrastructure by ICT NICE	ICT
323.	Proklean Technologies PvtLtd	November 2022	November 2024	Research for enhancement for biogas production efficiencies in Anaerobic Digestion Processes under Dr. Manju Sharma	ICT
324.	NDA OmniActive Health Technologies Ltd	December 2022	December 2024	Collaboration for developing processes for pigment production by microbial fermentation	ICT
325.	Sea6 Energy Pvt Ltd, Bangalore	Feb 2023	Jan 2024	Collaborative research under Dr. Hitesh Pawar	ICT
326.	College of Food Technology, VNMKV, Parbhani	Dec 2022	Dec 2027	Establishment of Common Incubation Centre under PMFME Scheme at College of Food Technology, VNMKV, Parbhani	ICT
327.	MCGM Centre for Municipal Capacity Building and Research (MCMCR), Mumbai	February 2023	February 2028	Collaborative research programme	ICT
328.	Indian Chemical Council (ICC)	March 2023	March 2028	Industry-Academia Cell	ICT
329.	NBCC India Ltd, New Delhi	March 2023	March 2025	Construction of ICT-IOC Odisha campus at Bhubaneswar	ICT-IOC
330.	Dr. Pramod M. Chaudhari, Pune	October 2022	25 years	Establishment of “Parimal and Pramod Chaudhari Centre of Excellence and Innovation and Biopolymers” with donation of Rs 5.17 crs.	ICT
331.	Data Meghe Institute of Higher Education and Research, Wardha	March 2023	March 2028	Joint research collaboration	ICT
332.	Adya Innovationz Pvt. Ltd	April 2023	April 2033	Joint research collaboration	ICT
333.	Evonik Catalyst India Pvt. Ltd.	April 2023	April 2027	Sponsored Ph.D. Research programme	ICT
334.	Crooda India Co. Pvt. Ltd., Mumbai	April 2023	April 2026	Joint research collaboration	ICT
335.	HiMedia Laboratories Pvt. Ltd., Mumbai	March 2023	March 2024	Implementation of AutoNutri project	ICT
336.	Climatenza Solar Pvt. Ltd, Delhi	April 2023	April 2026	Research project collaboration	ICT

337.	GoFloat Technologies Pvt Ltd	July 2023	July 2026	Research project collaboration	ICT
338.	BASF Chemicals India Pvt. Ltd.	July 2023	July 2027	Sponsored Ph.D. Research programme	ICT
339.	Charms Chem. Pvt. Ltd.	August 2023	August 2027	Sponsored Ph.D. Research programme	ICT
340.	(MAHAPREIT) Mahatma Phule Renewable Energy & Infrastructure Technology Ltd.	September 2023	For a period of 30 days after receipt of written notice / extend this MOU sub to mutual written agreement of the Parties	This MOU act as an Umbrella Agreement under which various projects will be structured	ICT
341.	Terramatter Climate Technologies Pvt. Ltd. Mumbai, Maharashtra	September 2023	For a period of 5 years after the termination /expiration of the MOU	Industry sponsored project	ICT
342.	Loyola Marymount University	December 2023	For a period of 5 years	Academic collaboration	ICT
343.	WEGO Library Foundation	December 2023	3 Years (December 2026)	IPR filing and Library research programme	ICT
344.	St. John Institute of Pharmacy & Research_(SJIPR)	28th December, 2023	For a period of 5 years	Research project collaboration	ICT
345.	Galaxy Surfactants Ltd.	September, 2023	For a period of 5 years	Ph. D. enrollment Programme	ICT
346.	KRUSS_SSH_APAC	8th January, 2024	December 31, 2026	Collaboration in the field of Surface Science	ICT
347.	Institute of Pharmacy-Badnapur (Jalna Campus)	15th December, 2023	For a period of 5 years	Research project collaboration	ICT
348.	School of Engg. Kathmandu University	9th Nov. 2023	For a period of 5 years	Promotion of Joint Research, Educational, and Cultural Collaborations	ICT
349.	Department of Chemical Engineering, University of the BASQUE COUNTRY (UPV/EHU), LEIOA, SPAIN	19th January, 2024	For a period of 5 years	Research project collaboration	ICT

350.	MIT Academy of Engg. MITAOE_Dehu_ Alandi_Pune	5th March, 2024	For a period of 5 years	Research project collaboration	ICT
351.	IIT- BBS (Bhubneswar)	13th March, 2024	For 2 years purely on temporary basis	Allotment of the room at ICT-Bhubneswar	ICT Bhubneswar
352.	Textile Department Government of Maharashtra	27th February, 2024	For a period of 5 years	With Government of Maharashtra	ICT
353.	DCM Shriram Ltd.	21st May, 2024	For a period of 5 years	Research Project	ICT
354.	Entrepreneurship Development Center	1st May, 2024	For a period of 1 year	Academic/R &D Strategic Partners of TechEx.in	ICT
355.	Eternis Fine Chemicals Ltd.	24th May, 2024	For a period of 5 years	Industry sponsored project	ICT

INSTITUTE OF CHEMICAL TECHNOLOGY(ICT), MUMBAI

Deemed to be University under Section 3 of UGC Act 1956
NAAC A++ CGPA 3.77/4.00
NBA Accredited Programmes
NIRF Ranking(2022): Engineering: 24, Pharmacy: 5

Elite Status and Centre of Excellence
Govt. of Maharashtra
Category I Institute (MHRD/UGC),
State Funded Public Institute
QS (BRICS) Ranking: 115
NIRF (2022) Universities: 23; Overall: 41

with campuses at

MUMBAI	IOC BHUBANESWAR	MARATHWADA JALNA

Matunga, Mumbai – 400019, India; Tel: 022-3361-1111/2222, Fax: 022-3361-1020
Email: admission@ictmumbai.edu.in; Website: http://ictmumbai.edu.in

Date: July 25, 2023

UNDER GRADUATE ADMISSION 2023 – 2024

Fee Descriptions	General Category	Rajashri Chhatrapati Shahu Maharaj Shikshan Shulk Shishyavruti Yojana (EBC) / EWS	Tuition Fee Waiver (TFWS)	OBC/VJNT/ SBC Category	SC/ST Category	J & K Student PMSSS Quota	J & K And Ladakh Migrant Candidates ARA Quota	Study in India
Tuition Fees	15,000/-	7,500/-	00/-	00/-	00/-	00/-	24,000/-	15,000/-
Development Fees	39,850/-	39,850/-	39,850/-	39,850/-	00/-	00/-	00/-	39,850/-
Other Fees	26,000/-	26,000/-	26,000/-	26,000/-	1,730/-	00/-	00/-	26,000/-
Library Deposit	5,000/-	5,000/-	5,000/-	5,000/-	5,000/-	00/-	5,000/-	5,000/-
Institutional Fees	2,500/-	2,500/-	2,500/-	2,500/-	2,500/-	00/-	2,500/-	2,500/-
Total	88,350/-	80,850/-	73,350/-	73,350/-	9,230/-	00/-	31,500	88,350/-

ASSISTANT REGISTRAR
(ACAD.)

REGISTRAR

INSTITUTE OF CHEMICAL TECHNOLOGY रसायन तंत्रज्ञान संस्था

Deemed to be University under Section-3 of UGC Act 1956

Elite Status & Centre of Excellence - Government of Maharashtra

Category I Deemed to be University (MHRD/UGC)

National Rank 1 in Atal Innovation Ranking (ARIIA), by MHRD, Category : Govt Aided Universities (2020)

NAAC A++ CGPA 3.77

Bifurcation of Tuition fee, Development fee and Other fees for all M.Chem.Engg. M.E(Plast.Engg), M.Pharm,M.Tech at ICT for the Academic Year 2023-2024

Sr.No	Details			Amount
1.	Library Deposit			5,000/-
2.	Tuition fee			15,000/-
3.	Development fee			30,000/-
4.	Other fees			
	(i)	Sports fees	1,200	
	(ii)	Gymkhana fees	1,200	
	(iii)	Extracurricular activities	1,600	
	(iv)	Library fees	3,000	
	(v)	E-Charges	2,448	
	(vi)	Enrolment fees	220	
	(vii)	Disaster Management Fund	230	
	(viii)	Insurance fees	102	
	(ix)	Laboratory fees	9,750	
	(x)	Utility fees	1500	21,250/-
5.		Student Diary	500	
6.		Alumuni Asso. Fees (for 1st Year)	2,500	
7.		Analytical Ability Test	750	3,750/-
8.		Certificate Course on safety on Risk management(except M. Sc. student)		5000/-
9.		Research Laboratory fees p.a.		(*)12,000/-
			Total Rs.	92,000/-

Note: (*) This is applicable for those students who do not receive any contingency grant from any funding agency nor is their research is supported by a sponsored project.

Shri A. M. Sathye
Assistant Registrar (Academic)

Prof. R. R. Deshmukh
Registrar

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National Rank 1 in Atal Innovation Ranking (ARIIA), by MHRD, Category : Govt Aided Universities (2020)

NAAC A++ CGPA 3.71

Bifurcation of Tuition fee, Development fee and Other fees for M.Tech(Bioprocess Technology), M.Tech (Food Biotechnology),M.Tech(Pharmaceutical Biotechnology)at ICT for the Academic Year 2023-2024

Sr.No	Details			Amount
1.	Library Deposit			5,000/-
2.	Tuition fee			15,000/-
3.	Development fee			15,000/-
4.	Other fees			
	(i)	Sports fees	1,200	
	(ii)	Gymkhana fees	1,200	
	(iii)	Extracurricular activities	1,600	
	(iv)	Library fees	2,000	
	(v)	Enrolment fees	220	
	(vi)	Disaster Management Fund	230	
	(vii)	Insurance fees	102	
	(viii)	Laboratory fees		
	(ix)	Utility fees	1,500	8,052/-
5.		Student Diary	500	
6.		Alumuni Asso. Fees (for 1St Year)	2,500	
7.		Analytical Ability Test	750	3,750/-
8.		Certificate Course on safety on Risk management(except M. Sc. student)		5000/-
			Total Rs.	51,802/-

Note: (*) This is applicable for those students who do not receive any contingency grant from any funding agency nor is their research is supported by a sponsored project.

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NAAC A++ CGPA 3.77

Bifurcation of Tuition fee, Development fee and Other fees for all M.Sc courses at ICT for the Academic Year 2023-2024

Sr.No	Details			Amount
1.	Library Deposit			5,000/-
2.	Tuition fee			15,000/-
3.	Development fee			25,000/-
4.	Other fees			
	(i)	Sports fees	1,200	
	(ii)	Gymkhana fees	1,200	
	(iii)	Extracurricular activities	1,600	
	(iv)	Library fees	3,000	
	(v)	E-Charges	2,448	
	(vi)	Enrolment fees	220	
	(vii)	Disaster Management Fund	230	
	(viii)	Insurance fees	102	
	(ix)	Laboratory fees	4750	
	(x)	Utility fees	1500	16,250/-
5.		Student Diary	500	
6.		Alumuni Asso. Fees (for 1St Year)	2,500	
7.		Analytical Ability Test	750	3,750/-
8.		Research Contingency		5000/-
			Total Rs.	70,000/-

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NAAC A++ CGPA 3.77

Bifurcation of Tuition fee, Development fee and Other fees for all Master of Science course (Mathematics) at ICT for the Academic Year 2023-2024

Sr.No	Details			Amount
1.	Library Deposit			5,000/-
2.	Tuition fee			15,000/-
3.	Development fee			25,000/-
4.	Other fees			
	(i)	Gymkhana fees	1,200/-	
	(ii)	Library fees	3,000/-	
	(iii)	Enrolment fees	220/-	
	(iv)	Disaster Management Fund	230/-	
	(v)	Insurance fees	102/-	
	(vi)	Laboratory fees	4,998/-	
	(vii)	Utility fees	1,500/-	11,250/-
5.		Student Diary	500/-	
6.		Alumuni Asso. Fees (for 1St Year)	2,500/-	
7.		Analytical Ability Test	750/-	3,750/-
8.		Research Contingency		5000/-
			Total Rs.	65,000/-

Shri A. M. Sathye
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Registrar

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GSTIN : 27AAATI4951J1ZG

Annexure F – Research Projects

Funding Agency	Name of Project	Grant Received
BIRAC	BIRAC/Dr.Gunjan Prakash	6,87,600
CPCB	NMCG/CPCB/Dr.R.V.Adivarekar	1,05,98,089
C S I R	CSIR/Dr.Snehasis Chakraborty	4,09,500
C S I R	CSIR/Novel Approach /Dr.Nabanita Sadukhan	11,48,040
D A E	DAE/BRNS/Dr.A.W.Patwardhan	4,26,681
D A E	DAE/BRNS/Dr.Nabanita Sadhukhan	9,03,994
D A E	DAE/BRNS/Prof.R.N.Jagtap-New	90,726
D A E	D.A.E/ Centre For C.E.	3,00,00,000
D B T	DBT/Antimicrobial Resistance/Prof.P.V.D. (ZBS A/C)	11,029
D B T	DBT/Bio-Based/Prof. Pandit (ZBS A/C)	21,33,840
D B T	DBT-CEB-IGem Grant	15,12,599
D B T	DBT-Fellowship-Dr. Emmanuel	3,93,160
D B T	DBT/Rapid Biodegradability/Prof.Mhaske	29,35,300
D B T	DBT-Vaccine for COVID-19/Prof.V.B.Patravale	1,16,200
D S T	2259/ DST/FIST/Prof B.M.Bhange (ZBS A/C)	2,20,00,000
D S T	Abdul Kalam TIN Fellwoship/Prof.Patravale	19,90,324
D S T	DST/CO2-Capturing Solvents/Dr.P. Vaidya	14,09,319
D S T	DST/ EAG Meeting /Dr.A.S.Sabnis	23,530
D S T	DST /FIST/Anant Kapadi	3,08,790
D S T	DST/hydrogen From Biogas/Prof.P.D.V.(ZBS A/C)	7,00,000
D S T	DST/Indo-German/Auto Nutri/Dr.U.S.Annapure	5,13,327
D S T	DST/Indo-Ukraine /Dr.Parag Gogate	2,26,137
D S T	DST/Innovation Entrepreneurship/Prof.P.V.D. (ZBS A/C)	1,48,00,000
D S T	DST-INSPIRE/ABHIJEET D. GOSWAMI-JRF	3,83,892
D S T	DST -INSPIRE / ABHINAV SHARMA (ZBS A/C)	6,20,268
D S T	DST-INSPIRE / ADITYA A. NARVEKAR /JRF	19,968
D S T	DST INSPIRE/ ARATRIKA RAY (ZBS A/C)	39,066
D S T	DST/INSPIRE/Bharati Mourya/JRF	6,19,924
D S T	DST-INSPIRE/BHARGAVI S. AJGAONKAR-(ZBS A/C)	8,08,477
D S T	DST-INSPIRE / DIPALI VASUDEV MESTRY (ZBS A/C)	5,08,870
D S T	DST INSPIRE /HARSH B. JADHAV (ZBS A/C)	5,71,390
D S T	DST/Inspire/JRF/Devanshi Shah (ZBS A/C)	20,000
D S T	DST/Inspire/Prasad Sanjay Sanap	5,83,880
D S T	DST-INSPIRE / PRIYANKA K. BHADKE /JRF	41,426

Funding Agency	Name of Project	Grant Received
D S T	DST-INSPIRE /SHAILESH SANJAY DUGAM/JRF	4,57,290
D S T	DST-INSPIRE/SHILPA JANA/JRF	5,74,970
D S T	DST/INSPIRE/Shriyasha Meghanath Tari/JRF	8,61,393
D S T	DST INSPIRE/YOGESHSINGH N RAJPUT (ZBS A/C)	4,99,370
D S T	DST/Integrated Catalytic Processing/Prof. Bhanage	6,15,174
D S T	DST/INT/RUS/BHANAGE (ZBS A/C)	17,39,195
D S T	DST/MOF/Dr.Neetu Jha (ZBS A/C)	7,00,000
D S T	DST/PURSE-2020/Prof.R.D.JAIN (ZBS A/C)	4,61,71,335
D S T	DST/RND/STUTI-2021(ZBS A/C)	95,05,156
D S T	DST/SERB-AIEgens/Dr.Satyajit Saha	6,00,000
D S T	DST/SERB/DR.N.SADHUKHAN	24,424
D S T	DST/SERB/Dr.V.K.Rathod	20,61,000
D S T	DST/SERB/Expedient Routes/Dr.Kapdi	20,25,000
D S T	DST/SERB/Hydrogen Generation/Dr.Neetu Jha	18,15,800
D S T	DST/SERB-II/Dr.Parag Nemade	13,99,000
D S T	DST/SERB-II/Dr.Pintu Kumar Kundu	8,00,000
D S T	DST/SERB-II/Retardant Materials/Dr.Surajit Some	26,16,164
D S T	DST-SERB-J C BOSE-II/Prof. A. B. PANDIT	9,00,000
D S T	DST/SERB/Levulinic Acid/Dr.P.R.Gogate	6,00,000
D S T	DST/SERB-Milk Stabilization Syestem/Prof.Pandit	43,54,000
D S T	DST/SERB/NSC-Prof.G.D.Yadav	44,00,000
D S T	Dst/serb/prof.V.B.Patravale	3,00,000
D S T	DST/SERB/TRAVEL GRANT	9,85,111
D S T	DST/TDT/Prof.S.V.Joshi	22,00,000
D S T	DST/TDT/TC/RARE-PROF.R.D.JAIN (ZBS A/C)	22,33,400
D S T	DST/TDT-WMT/Plastic Waste/A.B.P. (ZBS A/C)	3,07,67,428
D S T	DST-Women Scientist/Dr.Aparna Tripathi (ZBS A/C)	72,192
D S T	DST(WOS)/Dr.Sanghmitra Chatterjee(ZBSA)	13,45,000
D S T	DST/WOS/Mrs.Shilpa Wagh	6,60,182
D S T	DST/WOS/Ms.Madhuri Kininge (ZBS A/C)	10,85,762
D S T	DST/WOS/Ms.Subhaprada Nishtala	7,38,788
GOI-Ministry of Foods	GOI/MOFPI/Prof.K.S.Laddha	1,18,027
ICMR	ICMR-Ad-Hoc-Dr.Prajakta Dandekar-Jain	45,324
ICMR	ICMR/Prof.Sadhna Sathye	11,88,155
ICMR	ICMR/SRF/DEVASHREE N. JAHAGIRDAR	2,37,364
Industry Sponsorship Registration Fund	Industry Sponsor Registration Fund (Rs.5 Lakh)	56,00,000

Funding Agency	Name of Project	Grant Received
Industry Sponsorship Registration Fund	Sponsored Contingency/Dr. R.D Jain	1,00,000
OTHERS	HINDUSTAN UNILEVER	24,70,500
OTHERS	Abbott Healthcare /Dr.Ratnesh Jain	1,33,99,505
OTHERS	ACG Associated Capsules Ltd/Dr.Prashant Kharkar	72,665
OTHERS	ALT Materials Inno Pvt Ltd/Prof.Bhanage	4,90,438
OTHERS	Amaterasu Lifesciences LLP/Prof P.V.Devarajan	8,26,640
OTHERS	Amines & Plasticizer Ltd./Dr.S.S.Bhagwat	2,70,000
OTHERS	Arthaveda Wellness Pvt.Ltd./Prof.K.S.Laddha	3,299
OTHERS	Bajaj Healthcare Ltd\Prof.P.D.Amin	14,56,048
OTHERS	Balance Industrial Project./ Dr K.S.Laddha	2,21,152
OTHERS	Balance Industrial Project-Dr. P.D.Jain	3,82,500
OTHERS	Balance Industrial Project -Prof Ratnesh Jain	10,50,429
OTHERS	Balance Industrial Res Project/S.S.B	8,22,770
OTHERS	Bill Gates Foundation / Prof V.B.Patravale	3,00,000
OTHERS	Biogenomics Limited/Dr.R.D.Jain	3,02,400
OTHERS	Biosimilar Workshop 2017/ Prof Ratnesh Jain	1,13,62,544
OTHERS	BIRAC/Covid Suraksha /Dr.Prajakta Dandekar Jain	37,02,000
OTHERS	BIRAC/DR.P.R.NEMADE	25,000
OTHERS	BIRAC/SRISTI/Prof.V.B.Patravale/Prashant Upadhaya	3,75,000
OTHERS	BPCL/Prof.Jagtap	9,14,864
OTHERS	BSBT / ABP / Rishi Ven.	7,08,944
OTHERS	BSBT/ Dr. Manju/Testing Services	14,94,735
OTHERS	BSBT/Terramatter/Dr.Manju Sharma	12,10,680
OTHERS	Centre for High Tech./BioGas/Dr.P.D.Vaidya	91,923
OTHERS	Centre for High Tech/Dr.Surajit Some	39,03,100
OTHERS	Chemference-2012	24,61,873
OTHERS	CIPLA LTD./DR.R.D.JAIN	22,80,960
OTHERS	Clean Science & Technology Ltd./Prof.G.D.Yadav	6,00,000
OTHERS	COAST GUARD POLLUTION/BHAGWAT	87,986
OTHERS	COAST GUARD POLLUTION/PRATAP	35,496
OTHERS	CPCB/ Dr. Ajit Kumar	2,69,676
OTHERS	Croda India Co Pvt Ltd/Prof.Kulkarni & Prof.Devraja	15,01,474
OTHERS	Croda India Pvt Ltd./Prof.Devarajan	6,80,400
OTHERS	Croda Ind Ltd/Sponsorship Conti-Jameer Patel	59,000
OTHERS	DBT-CEB/Technology Transfer	38,29,562

Funding Agency	Name of Project	Grant Received
OTHERS	DIRECTOR GENERAL OF POLICE/Dr.Pinjari	8,20,106
OTHERS	DORADO CHEM PVT LTD/Prof.Mhaske	6,60,000
OTHERS	Dr. Nitin Arote Research Fund	50,000
OTHERS	Encube Ethicals/dr.Sadhana Sathaye	4,68,450
OTHERS	Fidelity Biopharma Co/Prof. Patravale	15,79,872
OTHERS	Galaxy Surfactants Ltd./ Prof.Bhanage	1,93,186
OTHERS	Godavari Biorefineries Ltd/R. F./Prof. G.D.Yadav	5,85,000
OTHERS	ICT-OEC CO2 TO MeOH and HHCs/ Prof. G. D. Yadav	13,75,920
OTHERS	ICT/ OECT/Phase III / Prof.G.D.Yadav	1,34,91,648
OTHERS	IKP Knowledge Park/Dr.P. Dandekar-Jain	24,927
OTHERS	India Glycols Ltd./prof.Sadhana Sathaye	2,43,000
OTHERS	Indian National Academy of Engineering	65,563
OTHERS	Industry Sponsored Contingency/Dr.Jyotsna Waghmare	56,000
OTHERS	INSA/PROF. SHOBHONA SHARMA/CONTINGENCY	1,00,000
OTHERS	ISCC/Dr.Anant Kapdi	2,19,200
OTHERS	JINDO CHEMICAL SOLUTION/KEDAR KULKARNI	1,12,500
OTHERS	Johnson Ltd/Prof.P.R.Vavia	36,993
OTHERS	K Patel Chemo Pharma/Prof.Kantam & Rathod	17,44,480
OTHERS	KUSUM HEALTH CARE/ P.R.V	55,941
OTHERS	Lasterra Exim India P.Ltd./pinjari	2,36,000
OTHERS	LAXMI ORGANIC IND. LTD./NITIN AROTE	1,21,500
OTHERS	Lifescient INC - Prof.P.D.Amin	1,59,100
OTHERS	Lubrizol Advanced Materials (I) Pvt Ltd./Prof. S T Mhasake	8,20,484
OTHERS	Lupin Ltd/ Prof B.N. Thorat	5,80,000
OTHERS	Malaysian Palm Oil Board -Dr.Annapure & Dr.Waghmare	4,86,953
OTHERS	Mankind Research Centre/Dr.Ratnesh Jain	22,15,620
OTHERS	Marico Ind/ S.S.B.	72,900
OTHERS	Marvel Drugs Pvt Ltd/ Prof Lakshmi Kantam	3,24,000
OTHERS	Mettler Toledo Ltd/Dr.Atul Chaskar	7,83,600
OTHERS	Momentive Performance Material (I)Pvt Ltd.-Dr.Vavia	91,350
OTHERS	Mr.Mohit Velaskar/Prof.P.D.Amin	1,35,700
OTHERS	MSFDA/Prof.Telvekar	4,38,406
OTHERS	NACL INDUSTRIES LTD/DR. V. K. RATHOD	8,70,400
OTHERS	Next Campus Platform Pvt Ltd/Prof.S.V.Joshi	1,50,000
OTHERS	NORDISCHE ENERGY SYSTEM	4,62,236

Funding Agency	Name of Project	Grant Received
	P.LTD./PROF. NEETU JHA	
OTHERS	NUTRIVENTIA LTD./PATRAVALE	5,13,000
OTHERS	ONGC/Preparation of Graphene/Dr.Surajit Some	40,029
OTHERS	Organic Chemistry Symposium/Dr. Kapdi	3,26,500
OTHERS	PAR Formulations Pvt Ltd/Dr.Ratnesh Jain	50,92,571
OTHERS	Phoenix Pharmaceutical USA/P.V.D.	4,39,000
OTHERS	Pitambari Products- 2nd /Dr.Surajit Some	7,47,282
OTHERS	Pitambari Products Pvt.Ltd./Dr.J.Waghmare	98,786
OTHERS	Pitambari Products Pvt Ltd/Dr.Surajit Some	11,66,076
OTHERS	Praj Industries/Dr.Jyoti Sontakke-Gokhale	5,45,750
OTHERS	Praj Industries Ltd-II/Prof.Thorat	7,52,250
OTHERS	Prasol Chemicals Pvt Ltd/Prof.Rathod& Prof.Kantam	4,44,000
OTHERS	Prof.JBJ/Protection of Water/Dr.Surajit Some	11,08,000
OTHERS	Rasayan Inc / Dr Anant Kapadi	10,73,009
OTHERS	Reckitt Benkiser/k.S.Laddha	59,000
OTHERS	RECON OIL IND. PVT. LTD/PRATAP	1,35,000
OTHERS	RELIANCE IND. LTD./MARATHE	6,14,498
OTHERS	REVELATION BIOTECH P. LTD./SHALINI ARYA	1,37,288
OTHERS	Rossari Biotech Ltd/Dr.Ashok Athalye	54,000
OTHERS	R. R. D Research Fund	67,357
OTHERS	Sanjuraj Agrochem & Spe. Chemical/prof. A.P.Pratap	2,50,000
OTHERS	Satyam Pharma/Dr. Atul Chaskar	6,02,100
OTHERS	Shellac & Forest Products Export/ Prof.A.B.Pandit	58,00,000
OTHERS	SHV Energy N. V./Prof.Vaidya	44,07,500
OTHERS	SPON CONT/PROF. B.M.B & PROF. S.S.B.	5,50,000
OTHERS	Sponsored Contingency/Dr.Anant Kapdi	2,98,000
OTHERS	Sponsored Contingency/Dr.Hemchandra Chaudhary	50,000
OTHERS	Sponsorship Contingency	3,00,000
OTHERS	Sponsorship Contingency by Pvt.Co.	1,04,000
OTHERS	Sponsorship Contingency/Dr.G.U.Chaturbhuj	3,90,000
OTHERS	Sponsorship Contingency/prof. S.T.Mhaske	2,40,000
OTHERS	STREM Chemicals. INC - Dr.Anant Kapdi	73,820
OTHERS	SUNSHIELD CHEMICALS LIMITED/Dr.Pratap	7,02,000
OTHERS	Suschem E 2.0	1,01,32,640
OTHERS	Synectics Bio-Science Pvt Ltd/Dr.Nemade	3,24,000
OTHERS	TAP Pharmaceuticals AG/PATRAVALE	4,53,394
OTHERS	Thermax Ltd/Prof.Bhanage	7,15,500
OTHERS	Tokyo Chemical Ind/Prof. Kapdi	1,13,880

Funding Agency	Name of Project	Grant Received
OTHERS	Ultramarine Pigments Ltd/Dr.Ashok Athalye	2,70,000
OTHERS	Unilever Industries Ltd/Prof.Vaidya	13,55,962
OTHERS	Unilever Industries Pvt.Ltd./Prof.P.D.Amin	19,06,200
OTHERS	VA Tech Wabag -A (Fellowship)	4,53,455
OTHERS	Vinati Organics Ltd 4 / Prof. Kantam & Rathod	6,00,000
OTHERS	Vinati Organics Ltd/Dr. P. M. More	33,480
OTHERS	Vinati Organics Ltd./shankarling	8,33,375
OTHERS	Viridis Biopharma P. Ltd./Prof.Devrajan	7,58,700
OTHERS	ZERO - D IND PVT LTD/Dr. Dipak Pinjari	8,05,350
OTHERS	Zoetis Pharma. Research Pvt Ltd/Prof.Bhagwat	5,18,400
RAJIV GANDHI (R.G.STC)	RGSTC/Agricultural Waste/Dr.V.K.Rathod	14,94,513
RAJIV GANDHI (R.G.STC)	RGSTC/Reuse of Waste Cotton/Prof.R.V.Adivarekar	9,84,351
RAJIV GANDHI (R.G.STC)	RGSTC/Valorization of Jackfruit/Dr.Jyoti Gokhale	13,93,500
AICTE	AICTE/FDP Programme	7,50,000
AICTE	STARS- Dr.Vishwanath Dalvi	10,72,585
DBT	DBT-FBT 2020-2021	81,14,303
DBT	DBT-MTECH BPT 2020-2021	2,26,12,640
DBT	DBT-MTECH PBT 2020-2021	19,90,000
UGC	UGC-FRP	3,37,55,903
UGC	UGC-SAP/Centre for Green Technology/cont/2013-14	68,490
UGC	UGC-CSIR/2019	70,750
UGC	UGC D S Kothari/ Dr.Subhasis Das	1,20,000
UGC	UGC-NET JRF/DYES 2019	25,000
UGC	UGC/Start-Up Grant/ FRP / Dr Surjit Some	46,25,126
UGC	Prof.A.B.Pandit Salary-UGC	90,83,074
UGC	UGC-BSR-Mid Career Award/Prof.Annapure	1,99,998
UGC	UGC-Startup Grant / Dr Nabanita Sadhukhan	46,25,125
UGC	UGC-DBT-Pune Unversity	20,48,084
UGC	UGC-BSR-Prof.R.V.Jayaram	6,25,000
UGC	UGC-Startup Grant / Dr Satyajit Saha	46,25,126
TOTAL		**46,01,84,666**

Annexure G – Industry Linkage

Sr. No.	Name of The Consultant	Name of Company	Amount Received
1	Dr. Anant R Kapadi	Transasia Bio-Medicals Ltd.	1,00,000
2	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	75,000
3	Prof Prashant Kharkar	Unilever Ind. Pvt Ltd	60,000
4	Prof Ashok Athalye	Obeetee Private Limited	50,000
5	Dr. C.S.Mathapathi	H.J.Arochem (P) Ltd	1,25,000
6	Dr. C.S.Mathapathi	ULTRAMARINE & PIGMENTS LTD.	1,50,000
7	Dr C.S.Mathapathi	Jayant Agro Organic Ltd	1,62,500
8	Prof G.S.Shankarling	Tata Chemicals Ltd	50,000
9	Prof B.M.Bhange	Laxmi Organic Industries Ltd.	10,00,000
10	Prof B.N.Thorat	THE VIDARBHA COOPERATIVE MARKETING FEDERATION LTD	2,00,000
11	Prof P.A.Mahanwar	CISFIBER INFRA SOLUTIONS PRIVATE LIMITED	30,000
12	Prof P.A.Mahanwar	LLOYD INSULATIONS INDIA LIMITED	45,000
13	Dr .Jyoti S Gokhale	Praj Industries Limited	1,50,000
14	Prof Ashok Athalye	Harris and Menuk Chemicals Pvt Ltd	50,000
15	Dr. Anant R. Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
16	Dr. Nitin Arote	AVENTUS LABS LLP	3,75,000
17	Prof P.A.Mahanwar	Shyama Associates	45,000
18	Prof P.A.Mahanwar	HI SOLUTIONS INDIA PRIVATE LIMITED	1,00,000
19	Prof P.A.Mahanwar.	Enerforth Pvt Ltd.	60,000
20	Prof V.N.Telvekar.	Aqua Foods Exim	50,000
21	Prof Ashok Athalye	Obeetee Private Limited	50,000
22	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	75,000
23	Prof Ashok Athalye	Harris and Menuk Chemicals Pvt Ltd	50,000
24	Prof P.A.Mahanwar	Hayon General Trading	60,000
25	Prof Shreerang V Joshi	Swati Spentose Pvt Ltd	3,00,000
26	Prof S.T.Mhaske	KRISHNA CONCHEM PRODUCTS PVT LTD.	2,23,000
27	Prof B.N.Thorat	Vaishnavi Enterprises	1,50,000
28	Prof .P.A.Mahanwar	Mahathi Infra Services Pvt Ltd	45,000
29	Prof. Ravindra Adivrekar & Dr. Kedar Kullarni	SF Dyes Pvt Ltd	7,20,000
30	Dr. Hitesh S Pawar	KONKAN TECHNICAL PRIVATE LIMITED	6,00,000
31	Dr. Anant R Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
32	Prof P.R.Gogate	Sun-Shine CBG-CNG Pvt Ltd	30,000
33	Dr. Vishwanath Dalvi	Glenmark Life Sciences Limited	6,00,000
34	Prof B.M. Bhange	Fine Organic Industries Ltd	30,000
35	Prof Ashok Athalye	Harris and Menuk Chemicals Pvt Ltd	50,000
36	Prof Ashok Athalye	Obeetee Private Limited	50,000
37	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	75,000
38	Prof P.A.Mahanwar	Clean Coats Pvt Ltd	30,000
39	Prof Prashant Kharkar	Godavari Biorefinories Ltd	2,00,000
40	Prof P.A.Mahanwar	CISFIBER INFRA SOLUTIONS PRIVATE LIMITED	70,000
41	Prof B.N.Thorat	M\s. Navin Fluorine International Limited	3,00,000

Sr. No.	Name of The Consultant	Name of Company	Amount Received
42	Prof B.N.Thorat	Kusuma Pharma	1,50,000
43	Prof S.T.Mhaske	JSW Paints Private Limited	1,75,000
44	Prof Samir Kulkarni	Fytomax Nutrition Pvt. Ltd.	7,98,000
45	Prof Ashwin Patwardhan	Rallis India Limited.A TATA ENTERPRISE	5,25,000
46	Prof Prashant Kharkar	Unilever Ind. Pvt Ltd	1,00,000
47	Prof G.S.Shankarling	INTEGRATED COATING AND SEED TECHNOLOGY INDIA PVT LTD	50,000
48	Prof Palllavi P Vikhe	Fineotex Chemical Limited	1,35,000
49	Dr Anant R Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
50	Dr C.S.Mathpati	Eternis Fine Chemicals Ltd	3,00,000
51	Dr C.S.Mathapati & Dr V.H.Dalvi	Formeca Industries Pvt Ltd	3,00,000
52	Dr. Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
53	Dr Parag R Gogate	ORIC ORGANIC CHEMICALS PRIVATE LIMITED	1,80,000
54	Dr K.S.Laddha	Bajaj Healthcare Pvt Ltd	7,50,000
55	Prof S.T.Mhaske	Akzo Nobel India Ltd	10,80,000
56	Prof B.N.Thorat	Organic Industries Pvt Ltd	1,50,000
57	Prof. Vishwanath H. Dalvi	Amar Equipments Pvt.Limited (SD)	3,75,000
58	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	75,000
59	Prof Ashok Athalye	Harris and Menuk Chemicals Pvt Ltd	50,000
60	Dr. Dipak P Pinjari	Kansai Nerolac Paints Ltd	90,000
61	Prof S.T.Mhaske	Berger Paints India Ltd	87,000
62	Dr .C.S.Mathpati	Jayant Agro Organic Ltd	1,62,500
63	Prof S.T.Mhaske	KLJ Plasticizers Ltd	90,000
64	Dr. Manju Sharma	Reliance Bio Energy Limited	2,00,000
65	Prof S.T.Mhaske	Hindalco Industries Ltd	4,65,500
66	Prof Samir Kulkarni	Orbicular Pharmaceutical Technologies Pvt Ltd	3,00,000
67	Prof B.N.Thorat	jawahar lal nehru customs house	1,50,000
68	Prof Amit P Pratap	Monopoly Innovation Pvt Ltd	50,000
69	Dr. Ananti R Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
70	Prof.Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
71	Prof. S.V.Joshi	PRADEEP SHETYE PVT LTD	1,50,000
72	Dr. Shraeddha S Tiwari	M\s. Navin Fluorine International Limited	93,750
73	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	75,000
74	Prof P.A.Mahanwar	MAHARASHTRA STATE ROAD TRANSPORT CORPORATION	2,25,000
75	Prof Ashok Athalye	Harris and Menuk Chemicals Pvt Ltd	50,000
76	Prof S.T.Mhaske	Dow Chemical International Pvt Ltd	1,30,000
77	Prof P.R.Gogate	QUA WATER TECHNOLOGIES PRIVATE LIMITED	1,50,000
78	Prof.Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
79	Dr Hitesh Pawar	SEA6 ENERGY PRIVATE LIMITED'	6,00,000
80	Prof Ravindra D Kale	LANXESS INDIA PRIVATE LIMITED	50,000
81	Dr. Ananti R Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
82	Dr. Sachin Jadhav	NAPTHALENE CHEMIE PRODUCTS	2,50,000
83	Prof G.D.Yadav	O.N.G.C. Energy Centre [G.D.Yadav]	1,20,000
84	Prof B.N.Thorat	jawahar lal nehru customs house	1,50,000

Sr. No.	Name of The Consultant	Name of Company	Amount Received
85	Prof S.T.Mhaske	Asian Paints Ltd (Dr)	20,90,000
86	Prof S.T.Mhaske	Hitech Corporation Limited	4,50,000
87	Prof Ashok Athalye	Harris and Menuk Chemicals Pvt Ltd	50,000
88	Dr .Ratnesh Jain	MYNVAX PRIVATE LIMITED	12,00,000
89	Prof Prashant Kharkar	Godavari Biorefinories Ltd	2,00,000
90	Prof Ganesh Chaturbhuj	Gharda Chemicals	2,00,000
91	Prof P.A.Mahanwar	Navi Mumbai Muncipal Corporation	5,00,000
92	Prof P.D.Vaidya	Godavari Biorefinories Ltd	3,00,000
93	Dr Parag Gogate	Ion Exchange (I) Ltd	60,000
94	Dr. C.S.Mathpati	ULTRAMARINE & PIGMENTS LTD.	1,50,000
95	Prof P.A.Mahanwar	Clean Coats Pvt Ltd	30,000
96	Prof S.T.Mhaske	HI-POINT WATER TECHNOLOGIES (I) PRIVATE LIMITED	13,75,000
97	Dr. Manish Yadav	GRAPHITE INDIA LIMITED	1,00,000
98	Prof P.A.Mahanwar	Rallis India Limited.A TATA ENTERPRISE	5,25,000
99	Dr Anant Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
100	Prof S.T.Mhaske	Shree Surya Coatings	35,000
101	Dr P.R.Gogatge	BRANDIX INTIMATE INDIA PRIVATE LIMITED	2,70,000
102	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	50,000
103	Dr. C.S.Mathpathi & Dr. V.H.Dalvi .	Formeca Industries Pvt Ltd	3,00,000
104	Dr. C.S.Mathapathi	Jayant Agro Organic Ltd	1,62,500
105	Prfof P.A.Mahanwar	MAPEI CONSTRUCTION PRODUCTS INDIA PRIVATE LIMITED	10,00,000
106	Prof P.R.Gogate	Anshul Specialty Molecules Pvt Ltd	90,000
107	Dr Anant Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
108	Dr Manish Gurav	CANCRIE PRIVATE LIMITED	50,000
109	Dr Ratnesh Jain	Serum Institute of India Pvt. Ltd.	14,00,000
110	Prof Amit Pratap	Fineotex Chemical Limited	50,000
111	Prof. R.D.Kale & sandeep more	Dynamic Orbit Consultants Pvt Ltd	25,000
112	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	50,000
113	Prof Vishwanath H Dalvi	Amar Equipments Pvt.Limited (SD)	3,75,000
114	Dr Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
115	Dr. S.S.Reshamwala	Temasek Holdings Advisors India Private Limited	50,000
116	Dr. Vikramsinha S.Korpale	Amar Equipments Pvt.Limited (SD)	50,000
117	Dr Dipak Pinjari	Municipal Corporation of Greater Mumbai(Dr)	8,62,500
118	Dr. C.S.Mathpathi	Eternis Fine Chemicals Ltd	3,00,000
119	Prof Prashant Kharkar	Unilever Ind. Pvt Ltd	2,40,000
120	Prof V.K.Rathod	DECCAN NUTRACEUTICALS PVT LTD	1,50,000
121	Prof S.T.Mhaske	INDOKOTE INDUSTRIES PRIVATE LIMITED	5,75,000
122	Prof S.T.Mhaske	Nichem Solutions.	1,00,000
123	Dr. Anant Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
124	Dr. Parag Gogatge	Ion Exchange (I) Ltd	54,000
125	Prof Ashok Athalye	Rossari Biotech Limited	50,000
126	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	50,000
127	Prof R.V.Adivrekar	Satguru Gum Industries	60,000

Sr. No.	Name of The Consultant	Name of Company	Amount Received
128	Prof S.T.Mhaske	Akzo Nobel India Ltd	4,80,000
129	Prof S.T.Mhaske	Larsen & Toubro Ltd	1,75,000
130	Prof Prashant Kharkar	Godavari Biorefinories Ltd	2,00,000
131	Dr Manish Yadav	ASHA RECYCLEAN INDIA PRIVATE LIMITED	1,00,000
132	Prof N.Sekar	AMA HERBAL LABORATORIES PVT LTD'	50,000
133	Prof A.B.Pandit	Kalabhai Karson Pvt Ltd	15,00,000
134	Dr Dipak V Pinjari	OCTILLION POWER SYSTEMS INDIA PRIVATE LIMITED	3,00,000
135	Dr.Nitin Arote	AVENTUS LABS LLP	3,75,000
136	Dr.D.V.Pinjari	CHEMTRON SCIENCE LABORATORIES PRIVATE LIMITED	98,000
137	Dr.Mandar Badve	AZELIS (INDIA) PRIVATE LIMITED	60,000
138	Prof.V.B.Patravale	SAHAJANAND MEDICAL TECHNOLOGIES PVT. LTD.	7,45,000
139	Dr. Manju Sharma	Encore Natural Polymers Pvt Ltd.	18,00,000
140	Prof V.K.Rathod	Aditya Environmental Services Pvt Ltd	1,50,000
141	Dr.A.R.Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
142	Prof. Ashok Athalye	Rossari Biotech Limited	50,000
143	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	50,000
144	Dr. Hitesh Pawar	Vinculo Chemplas Industries LLP	60,000
145	Prof. Ashok Athalye	ULTRAMARINE & PIGMENTS LTD.	1,50,000
146	Dr. C.S. Mathpati / Dr. V.H. Dalvi	Formeca Industries Pvt Ltd	3,00,000
147	Prof Samir Kulkarni	Fytomax Nutrition Pvt. Ltd.	7,98,000
148	Dr. Dipak V Pinjari	Jindal Saw Ltd	40,000
149	Prof S.T.Mhaske	OCTILLION POWER SYSTEMS INDIA PRIVATE LIMITED	5,25,000
150	Prof S.T.Mhaske	Gujarat Multi Gas Base Chemcals Pvt Ltd	30,000
151	Prof P.D.Vaidya	Godavari Biorefinories Ltd	3,00,000
152	Prof S.T.Mhasske	OFFSHORE INFRASTRUCTURE LTD	80,000
153	Dr. C.S.Mathapathi	Jayant Agro Organic Ltd	1,62,500
154	Prof S.T.Mhaske	Encore Natural Polymers Pvt Ltd.	5,10,000
155	Prof S.T.Mhaske	Deepak Phenolics Limited	7,50,000
156	Prof Samir kukkarni	KOTHARI SUGARS AND CHEMICALS LIMITED	3,33,334
157	Dr. Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
158	Dr. Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
159	Dr Yogesh H Shinde	PBS OIL INDUSTRIES PRIVATE LIMITED	50,000
160	Dr. Vikramsinha S Korpale	Amar Equipments Pvt.Limited (SD)	50,000
161	Dr. Dipak V Pinjari	Godavari Construction Company	90,000
162	Dr. Dipak V Pinjari	Godavari Construction Company	90,000
163	Dr Anant Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
164	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	50,000
165	Prof Ashok Athalye	Rossari Biotech Limited	50,000
166	Dr .Chandrakant R Holkar & Dr. Ananda J Jadhav	GRALUPHIT PRODUCTS PRIVATE LIMITED	60,000
167	Prof B.M.Bhange	Aarti Industries Ltd	42,373
168	Prof Samir kukkarni	KOTHARI SUGARS AND CHEMICALS LIMITED	3,33,334

Sr. No.	Name of The Consultant	Name of Company	Amount Received
169	Prof A.B.Pandit & Dr. Gunjan Praksh & Dr. Mayur R Ladole	RISHI VEN BIOSOLUTIONS PRIVATE LIMITED	4,00,000
170	Dr.C.S.Mathpathi	Eternis Fine Chemicals Ltd	3,00,000
171	Prof B.M.Bhange	Praktan Industries	2,00,000
172	Prof C.S.Mathapathi & Prof V.H.Dalvi	ZOETIS PHARMACEUTICAL RASEARCH PVT LTD.	6,50,000
173	Dr. Manish Kumar Yadav	THE SHAKTI PLASTIC INDUSTRIES	75,000
174	Dr Anant Kapdi	Transasia Bio-Medicals Ltd.	1,00,000
175	Dr. Dipak V Pinjari	HEUBACH PIGMENTS PRIVATE LIMITED	65,000
176	Prof Samir kukkarni	KOTHARI SUGARS AND CHEMICALS LIMITED	3,33,334
177	Dr . Sachin Yadav	AMIT TRANSPORT SERVICES	1,00,000
178	Dr. K.S.Laddha	Bajaj Healthcare Pvt Ltd	7,50,000
179	Prof Ashok Athalye	AMA HERBAL LABORATORIES PVT LTD'	50,000
180	Prof Ashok Athalye	Rossari Biotech Limited	50,000
181	Prof G.D.Yadav	O.N.G.C. Energy Centre [G.D.Yadav]	1,00,000
182	Dr Hitesh Pawar	SEA6 ENERGY PRIVATE LIMITED'	6,00,000
183	Dr Dipak V Pinjari	AMBANI ORGANICS LIMITED	1,00,000
184	Dr. C.S.Mathapathi	Jayant Agro Organic Ltd	1,08,333
185	Prof Amit P Pratap	AAK INDIA PRIVATE LIMITED	50,000
186	Prof P.D.Vaidya	Godavari Biorefinories Ltd	3,00,000
187	Dr. Vikramsinha S. Korpale	Amar Equipments Pvt.Limited (SD)	50,000
188	Prof. Prashant Kharkar	Godavari Biorefinories Ltd	2,12,500
189	Dr Mandar Badve	General Mills India Pvt Ltd	75,000
190	Dr. Deepankar B. Biswas & Dr. Manish Yadav	TERMINAL TECHNOLOGIES (I) PVT LTD	1,50,000
191	Prof G.S.Shankarling	Indo Borax & Chemical	1,00,000
192	Prof. Vishwanath H. Dalvi	Amar Equipments Pvt.Limited (SD)	3,75,000
193	Dr. Vikramsinha S. Korpale	Amar Equipments Pvt.Limited (SD)	50,000
194	Prof P.R.Gogate	Khepra Incorporated	4,07,767
195	Prof P.R.Gogate	Khepra Incorporated	4,11,009
196	Prof P.R.Gogate	CENS Materials Ltd	8,10,925
197	Prof P.R.Gogate	Khepra Incorporated	4,89,499
198	Prof P.R.Gogate	Khepra Incorporated	7,41,178
199	Prof.P.R.Gogte	Khepra Incorporated	3,70,993
200	Prof. G.D.Yadav	O.N.G.C. Energy Centre	1,80,000
201	Dr Manju Sharma	Perfect Filaments Limited	30,240
202	Prof B.M.Bhange	Galaxy Surfactants Ltd	56,250
203	Prof Ratnesh Jain	ZYDUS TAKEDA HEALTHCARE PRIVATE LIMITED	10,80,000
204	Prof S.S. Bhagwat	Unilever Ind. Pvt Ltd	2,02,500
205	Prof. Amit P. Pratap	Galaxy Surfactants Ltd	8,10,000
206	Prof Amit P Pratap	Hindalco Industries Ltd	45,000
207	Dr. Amit P. Pratap	Hindalco Industries Ltd	94,500
208	Prof S.T.Mhaske	Hindalco Industries Ltd	45,000
209	Dr Pavan More	VINATI ORGANICS LTD	20,000
210	Dr SURJIT sOME	Pitambari Products Pvt Ltd	2,66,666
211	Prof C.S.Mathapathi	H.J. Arochem Pvt.Ltd.	1,35,000
212	Prof Ashok Athyle	Ultramarine Pigments Limited	9,000
213	Prof B.M.Bhange	Thermax Ltd	2,02,500

Sr. No.	Name of The Consultant	Name of Company	Amount Received
214	Prof Padma V Devrajan	Croda Chemical Pvt Ltd	2,43,000
215	Prof Ashok Athyle	Ultramarine Pigments Limited	9,000
216	Dr Dipak Pin jari	Zero D Industries Pvt Ltd	1,20,000
217	Prof G.S.Shankarling	Evergreen C& T Corporation	5,25,000
218	Dr. Manju Sharma	Encore Natural Polymers Pvt Ltd.	92,340
219	Dr A Sabnis	GoFloat Technologies Private Limited	1,00,000
220	Prof Ashok Athyle	Ultramarine Pigments Limited	9,000
221	Prof Amit P Pratap	Hindalco Industries Ltd	45,000
222	Prof P.R.Gogate	Luthra Group LLP	2,02,500
223	Prof. Atul Chaskar	SATYAM PHARMA CHEM PRIVATE LIMITED	2,00,000
224	Prof V.K.Rathod & Prof M.L.Kantam	K.Patel Chemopharma Pvt Ltd	5,40,000
225	Prof Ashok Athyle	Ultramarine Pigments Limited	9,000
226	Dr Dipak Pinjari	Elkay Chemicals Pvt. Ltd	1,35,000
227	Dr. Ratnesh Jain	Cipla Ltd	5,40,000
228	Prof Padma V Devrajan & Prof R.D.Kulkarni	Croda Chemical Pvt Ltd	6,75,000
229	Prof Ashok Athyle	Ultramarine Pigments Limited	9,000
230	Dr Surjit Some	Pitambari Products Pvt Ltd	3,00,000
231	Dr Manju Sharma	Terramatter Climate Technologies Pvt Ltd	3,24,000
232	Prof. V.B. Patravale	Nutriventia Ltd	90,000
233	Prof Amit P Pratap	Recon Oil Industries Pvt Ltd	45,000
234	Deepak V Pinjari	Director General of Police)	4,00,005
235	Prof Amit P .Pratap.	SUNSHIELD CHEMICALS LIMITED	1,35,000
236	Prof. Amit P. Pratap	Hindustan Unilever Ltd	1,80,000
237	Prof G.S.Shankarling	VINATI ORGANICS LTD	2,25,000
238	Prof B.M.Bhange	Alt Material Innovations Pvt Ltd	1,25,000
239	Dr Dipak V Pinjari	Lasterra Exim India Pvt Ltd	1,50,000
240	Prof. Atul Chaskar	Mettler Toledo India Pvt Ltd (DR)	1,35,000
241	Prof P.D.Amin	Unilever Ind. Pvt Ltd	4,50,000
242	Prof R.N.Jagtap	Bharat Petroleum Corporation Ltd	2,64,000
243	Prof B.N.Thorat	Praj Industries Limited	1,00,000
244	Prof P.D.Amin	Unilever Ind. Pvt Ltd	4,50,000
245	Dr. Manju Sharma	Encore Natural Polymers Pvt Ltd.	5,09,796
246	Prof. S.T. Mhaske	Hindalco Industries Ltd	45,000
247	Dr. Manju Sharma	Encore Natural Polymers Pvt Ltd.	22,540
248	Prof. Atul Chaskar	Jay Finechem Pvt Ltd	1,61,437
TOTAL			**6,06,51,603**