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
Prof. S.S. Bhagwat	Member
Mrs. Sandra Shroff	Member
Mr. Madhukar B. Parekh	Member
Dr. U. Shekhar	Member
Secretary, Higher and Technical Education	Member
Prof. P.V. Devarajan	Member
Prof. V.G. Gaikar	Member
Shri J.R. Shah	Member
Shri. Nitin Deshmukh	Member
Dr. Abhay Jere	Member
Prof. Manoj Kumar Tiwari	Member
Prof. R.R. Deshmukh	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/Board.pdf
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%20of%20the%2026th%20meeting%2026-8-2021.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_2018-19.zip
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

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	27/12/2016 to 30/06/2022	6
2.	Bachelor of Dyestuff Technology	27/12/2016 to 30/06/2022	6
3.	Bachelor of Food Engineering and Technology	27/12/2016 to 30/06/2022	6
4.	Bachelor of Surface Coating Technology	27/12/2016 to 30/06/2022	6
5.	Bachelor of Fibres and Textiles Processing Technology	27/12/2016 to 30/06/2022	6
6.	Bachelor of Oils, Oleochemicals and Surfactants Technology	27/12/2016 to 30/06/2022	6

7.	Bachelor of Polymer Engineering and Technology	27/12/2016 to 30/06/2022	6
8.	Master of Technology in Food Engineering and Technology	03/03/2020 to 30/06/2026	6
9.	Master of Technology in Oils, Oleochemicals and Surfactants Technology	03/03/2020 to 30/06/2023	3
10.	Master of Technology in Bioprocess Technology	03/03/2020 to 30/06/2023	3
11.	Master of Pharmaceutical Sciences and Technology	03/03/2020 to 30/06/2026	6
12.	ME Plastic Engineering	03/03/2020 to 30/06/2023	3

Sr. No.	**Applied for Accreditation**	Application ID No.
1.	Bachelor of Pharmaceutical Chemistry and Technology	Application ID No. – 5052-26/10/2020 Visit date – 25th to 27th February, 2022
2.	Master of Technology in Perfumery and Flavour Technology	
3.	Master of Technology in Polymer Engineering and Technology	
4.	Master of Technology in Surface coating Technology	
5.	Master of Technology in Fibres and textiles Processing Technology	
6.	Master of Chemical Engineering	Application ID No. – 5312-02/02/2021 Visit date – 11th to 13th March, 2022
7.	Master of Technology in Dyestuff Technology	
8.	Master of Technology in Green Technology	
9.	Master of Technology in Food Biotechnology	
10.	Bachelor of Pharmacy	Application ID No. – 6639-07/03/2022
11.	Master of Pharmacy	

- Status of Accreditation of the Courses

Total number of Courses	23
No. of Courses for which applied for Accreditation	11
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. – 5052-26/10/2020 Result of the visit awaited 2. Application ID No. – 5312-02/02/2021 Result of the visit awaited 3. Application ID No. – 6639-07/03/2022 Applied for SAR

- 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.)**	
			2021-22		**2020-21**		**2019-20**			
			Open	Reserved	Open	Reserved	Open	Reserved	Open	Reserved
Bachelor of Chemical Engineering	75	4	98.65	56.15	98.71	95.05	96.21	95.54	76,326/-	48,100/-
B.Tech in Dyestuff Technology	18	4	96.96	84.00	88.03	83.38	60.53	89.34	76,326/-	48,100/-
B.Tech in Food Engineering and Technology	16	4	98.65	79.95	98.42	87.05	97.37	93.22	76,326/-	48,100/-
B.Tech in Fibres and Textile Processing Technology	34	4	50.79	51.21	64.56	77.98	88.27	92.73	76,326/-	48,100/-
B.Tech in Oils, Oleochemicals and Surfactants Technology	16	4	87.07	92.31	80.66	93.06	87.44	71.24	76,326/-	48,100/-
B.Tech in Pharmaceutical Sciences and Technology	18	4	97.35	92.97	98.42	86.09	92.50	94.28	76,326/-	48,100/-
B.Tech in Polymer Engineering and Technology	16	4	85.64	82.17	98.88	93.95	96.54	96.22	76,326/-	48,100/-
B.Tech in Surface Coating Technology	16	4	68.53	30.33	97.12	92.69	95.10	94.98	76,326/-	48,100/-
Bachelor of Pharmacy	30	4	96.16	99.53	99.70	98.05	99.02	99.29	76,326/-	48,100/-
Master of Chemical Engineering	30	2	40	44	30	20	25	12	70,750/-	70,750/-
M.Tech in Dyestuff Technology	18	2	11	07	19	15	28	15	70,750/-	70,750/-

M.Tech in Food Engineering and Technology	18	2	42	14	27	11	38	21	70,750/-	70,750/-
M.Tech in Fibres and Textile Processing Technology	18	2	37	18	42	12	26	13	70,750/-	70,750/-
M.Tech in Oils, Oleochemicals and Surfactants Technology	18	2	23	11	28	14	31	18	70,750/-	70,750/-
M.Tech in Pharmaceutical Sciences and Technology	18	2	18	12	22	11	36	19	70,750/-	70,750/-
M.Tech in Polymer Engineering and Technology	18	2	20	13	27	10	32	21	70,750/-	70,750/-
M.Tech in Surface Coating Technology	18	2	30	11	20	11	30	12	70,750/-	70,750/-
M.Tech in Food Biotechnology	10	2	162.5	60.5	198	60.5	173	98.5	43,502/-	43,502/-
M.Tech in Bioprocess Technology	30	2	152.5	87.5	199.5	67.5	181	112.5	43,502/-	43,502/-
M.Tech in Perfumery and Flavour Technology	18	2	32	14	32	10	29	14	70,750/-	70,750/-
M.Tech in Green Technology	30	2	28	9	22	14	25	16	70,750/-	70,750/-
M.Tech in Pharmaceutical Biotechnology	15	2	123.5	112.5	198	100.5	176	76	43,502/-	43,502/-
Master of Plastic Engineering	18	2	24	16	35	17	31	19	70,750/-	70,750/-
Master of Pharmacy	18	2	357	211	315	107	302	127	70,750/-	70,750/-

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. Pushpito K Ghosh	Ph.D.	Chemical Engineering	Professor	15-04-2015	Regular
5	Prof. Lakshmi Mannepalli	Ph.D.	Chemical Engineering	Professor	02-12-2015	Regular
6	Prof. Parag Ratnakar Gogate	Ph.D.	Chemical Engineering	Professor	03-07-2007	Regular
7	Prof. Anand Vinayak Patwardhan	Ph.D.	Chemical Engineering	Professor	18-12-2007	Regular
8	Prof. Virendra Kisan Rathod	Ph.D.	Chemical Engineering	Professor	01-04-2003	Regular
9	Prof. Bhaskar Narayan Thorat	Ph.D.	Chemical Engineering	Professor	25-11-1994	Regular
10	Prof. Prakash Dhundiraj Vaidya	Ph.D.	Chemical Engineering	Professor	01-08-2007	Regular
11	Prof. Arvind Mallinath Lali	Ph.D.	Chemical Engineering	Professor	31-08-1985	Regular
12	Prof. Ashwin Wasudeo Patwardhan	Ph.D.	Chemical Engineering	Professor	08-06-1998	Regular
13	Dr. Channamallikarjun S. Mathpati	Ph.D.	Chemical Engineering	Associate Professor	16-09-2008	Regular
14	Dr. Kumudini Vinayak Marathe	Ph.D.	Chemical Engineering	Associate Professor	01-02-1992	Regular
15	Dr. Ratnesh Dharamchandra Jain	Ph.D.	Chemical Engineering	Assistant Professor	01-01-2012	Regular
16	Dr. Vishwanath Haily Dalvi	Ph.D.	Chemical Engineering	Assistant Professor	05-08-2011	Regular
17	Dr. Sachin Jadhav	Ph.D.	Chemical Engineering	Assistant Professor	22-05-2018	Regular
18	Dr. Manish Kumar Yadav	Ph.D.	Chemical Engineering	Assistant Professor	24-09-2019	Regular
19	Dr. Ramajanaki Iyer	Ph.D.	Chemical Engineering	Assistant Professor	01-01-2021	Contract
20	Dr. Parag Ramesh Nemade	Ph.D.	Chemical Engineering	Assistant Professor	01-01-2011	Regular
21	Prof. Radha Vijay Jayaram	Ph.D.	Chemistry	Professor	08-04-1992	Adjunct
22	Prof. Bhalchandra Mahadeo Bhanage	Ph.D.	Chemistry	Professor	31-12-2003	Regular
23	Dr. Sanghmitra Chatterjee	Ph.D.	Chemistry	Lecturer	01-08-2020	Contract
24	Dr. Pavan Manohar More	Ph.D.	Chemistry	Assistant Professor	29-10-2015	Regular

25	Dr. Shraeddha Sudheer Tiwari	Ph.D.	Chemistry	Assistant Professor	26-02-2015	Regular
26	Dr. Anant Ramakant Kapdi	Ph.D.	Chemistry	Assistant Professor	01-01-2014	Regular
27	Dr. Sudam Ganapat Dawande	Ph.D.	Chemistry	Assistant Professor	04-01-2016	Regular
28	Dr. Vijay Kumar Akkilagunta	Ph.D.	Chemistry	Assistant Professor	26-02-2015	Regular
29	Dr. Annamma Anil Odaneth	Ph.D.	DBT-ICT Centre For Energy Biosciences	Associate Professor	01-02-2009	Contract
30	Dr. Gunjan Alok Prakash	Ph.D.	DBT-ICT Centre For Energy Biosciences	Associate Professor	07-02-2009	Contract
31	Dr. Shamlan Mohd Shafi Reshamwala	Ph.D.	DBT-ICT Centre For Energy Biosciences	Assistant Professor	15-11-2011	Contract
32	Dr. Hitesh Suresh Pawar	Ph.D.	DBT-ICT Centre For Energy Biosciences	Assistant Professor	24-01-2017	Contract
33	Dr. Nitin Mahesh Trivedi	Ph.D.	DBT-ICT Centre For Energy Biosciences	Assistant Professor	05-05-2017	Contract
34	Dr. Manju Bishan Sharma	Ph.D.	DBT-ICT Centre For Energy Biosciences	Assistant Professor	24-01-2017	Contract
35	Prof. Ashok Athalye	Ph.D.	Fibres and Textile Processing Technology	Professor	02-12-2019	Regular
36	Prof. Ravindra Vithal Adivarekar	Ph.D.	Fibres and Textile Processing Technology	Professor	30-12-2003	Regular
37	Prof. Ravindra Dondiba Kale	Ph.D.	Fibres and Textile Processing Technology	Professor	08-04-2003	Regular
38	Dr. Sandeep Pandharinathrao More	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	03-11-2015	Contract
39	Dr. Aranya Mallick	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	12-02-2018	Contract
40	Dr. Kedar Kulkarni	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	12-02-2018	Contract
41	Dr. Santosh Shivaji Biranje	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	21-03-2022	Contract
42	Dr. Dipak Vitthal Pinjari	Ph.D.	Fibres and Textile Processing Technology	Assistant Professor	13-01-2021	Regular
43	Prof. Uday Shriramrao Annapure	Ph.D.	Food Engineering and Technology	Professor	16-04-2003	Regular
44	Prof. Laxmi - Ananthanarayan	Ph.D.	Food Engineering and Technology	Professor	16-10-1985	Regular
45	Prof. Rekha Satishchandra Singhal	Ph.D.	Food Engineering and Technology	Professor	14-03-1991	Regular
46	Dr. Jyoti Sagar Gokhale	Ph.D.	Food Engineering and Technology	Assistant Professor	16-06-2014	Regular
47	Dr. Snehasis C. Chakraborty	Ph.D.	Food Engineering and Technology	Assistant Professor	29-10-2015	Regular
48	Dr. Shalini Subhash Arya	Ph.D.	Food Engineering and Technology	Assistant Professor	25-07-2008	Regular

49	Prof. Suresh Pandurang Deshmukh	Ph.D.	General Engineering	Professor	13-05-1997	Regular
50	Prof. Vivek Ramdas Gaval	Ph.D.	General Engineering	Professor	06-01-1992	Regular
51	Prof. Dilip Dhondu Sarode	Ph.D.	General Engineering	Professor	12-06-1997	Regular
52	Mr. Mohammed Amin Kassamali Kerawalla	M.E.	General Engineering	Associate Professor	14-02-1987	Regular
53	Dr. Prerna Prateek Goswami	Ph.D.	General Engineering	Associate Professor	06-06-1998	Regular
54	Dr. Sujit Nath Nath Sahai	Ph.D.	General Engineering	Associate Professor	17-10-1998	Regular
55	Dr. Deepankar Biswas	Ph.D.	General Engineering	Assistant Professor	09-01-2020	Contract
56	Dr. Vikramsinha Korpale	Ph.D.	General Engineering	Assistant Professor	08-01-2020	Contract
57	Mrs. Madhavi Milind Wadkar	Ph.D.	Library & Information Science	Other	01-06-2016	Regular
58	Mr. Amogh Suresh Lokhande	Ph.D.	Library & Information Science	Other	27-02-2006	Regular
59	Dr. Ajit - Kumar	Ph.D.	Mathematics	Associate Professor	01-04-2004	Regular
60	Dr. Amiya Ranjan Bhowmick	Ph.D.	Mathematics	Assistant Professor	16-03-2015	Regular
61	Dr. Divya Venkataraman	Ph.D.	Mathematics	Assistant Professor	21-11-2016	Regular
62	Dr. Akshay Sakharam Rane	Ph.D.	Mathematics	Assistant Professor	18-08-2018	Regular
63	Dr. Stuti Borgohain	Ph.D.	Mathematics	Assistant Professor	29-08-2018	Contract
64	Dr. Vikram Aithal	Ph.D.	Mathematics	Assistant Professor	02-08-2021	Contract
65	Prof. Ravindra Dattatraya Kulkarni	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Professor	04-11-2016	Regular
66	Prof. Amit Prabhakar Pratap	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Professor	29-12-2003	Regular
67	Dr. Jyotsna Sanjeev Waghmare	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Associate Professor	03-04-2003	Regular
68	Dr. Chandu Shankarrao Madankar	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Assistant Professor	31-03-2015	Regular
69	Dr. Pintu Kumar Kundu	Ph.D.	Oils, Oleochemicals and Surfactants Technology	Assistant Professor	23-05-2018	Regular
70	Prof. Shreerang Vidyadhar Joshi	Ph.D.	Pharmaceutical Sciences and Technology	Professor	04-04-2016	Regular
71	Prof. Prashant Kharkar	Ph.D.	Pharmaceutical Sciences and Technology	Professor	19-10-2019	Regular
72	Prof. Purnima Dhanraj Amin	Ph.D.	Pharmaceutical Sciences and Technology	Professor	07-11-1987	Regular

73	Prof. Ganesh Ulhasrao Chaturbhuj	Ph.D.	Pharmaceutical Sciences and Technology	Professor	29-04-2006	Regular
74	Prof. Mariam Sohel Degani	Ph.D.	Pharmaceutical Sciences and Technology	Professor	06-10-1998	Regular
75	Prof. Padma Venkitachalam Devarajan	Ph.D.	Pharmaceutical Sciences and Technology	Professor	21-09-1991	Regular
76	Prof. Kirtikumar S. Laddha	Ph.D.	Pharmaceutical Sciences and Technology	Professor	05-01-1989	Regular
77	Prof. Vandana Bharatkumar Patravale	Ph.D.	Pharmaceutical Sciences and Technology	Professor	20-04-1991	Regular
78	Prof. Sadhana S Sathaye	Ph.D.	Pharmaceutical Sciences and Technology	Professor	03-07-1998	Regular
79	Prof. Vikas Narendra Telvekar	Ph.D.	Pharmaceutical Sciences and Technology	Professor	12-05-2003	Regular
80	Prof. Pradeep Ratilal Vavia	Ph.D.	Pharmaceutical Sciences and Technology	Professor	01-12-1993	Regular
81	Dr. Hemchandra Keshav Chaudhari	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	25-03-2015	Regular
82	Dr. Prajakta Ratnesh Dandekar	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	16-01-2012	Regular
83	Dr. Sathish Dyawanapelly	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	29-12-2017	Contract
84	Dr. Vaibhavi Peshattiwar	Ph.D.	Pharmaceutical Sciences and Technology	Assistant Professor	09-08-2019	Contract
85	Prof. Rajendrasing R. Deshmukh	Ph.D.	Physics	Professor	24-06-1996	Regular
86	Prof. Vineeta Dinesh Deshpande	Ph.D.	Physics	Professor	02-05-1991	Adjunct
87	Dr. Mohan Narayan Narayan	Ph.D.	Physics	Associate Professor	01-03-2006	Regular
88	Dr. Neetu Jha	Ph.D.	Physics	Assistant Professor	24-01-2012	Regular
89	Dr. Ashwin Mohan	Ph.D.	Physics	Assistant Professor	09-12-2015	Regular
90	Dr. Paresh Hiralal Salame	Ph.D.	Physics	Assistant Professor	26-06-2018	Regular
91	Dr. Archana Sarjerao Kamble	Ph.D.	Physics	Assistant Professor	01-06-2018	Regular
92	Prof. Prakash Anna Mahanwar	Ph.D.	Polymer and Surface Engineering	Professor	02-03-1992	Regular
93	Prof. Ramanand Namdeo Jagtap	Ph.D.	Polymer and Surface Engineering	Professor	23-11-1993	Regular
94	Prof. Shashank Tejrao Mhaske	Ph.D.	Polymer and Surface Engineering	Professor	29-12-2003	Regular
95	Dr. Vikrant Vidyadhar Shertukde	Ph.D.	Polymer and Surface Engineering	Associate Professor	06-06-1998	Regular
96	Dr. Anagha Shyamsunder Sabnis	Ph.D.	Polymer and Surface Engineering	Associate Professor	25-08-2008	Regular

97	Dr. Aarti More	Ph.D.	Polymer and Surface Engineering	Assistant Professor	01-11-2019	Regular
98	Dr. Adarsh Ramesh Rao	Ph.D.	Polymer and Surface Engineering	Assistant Professor	07-04-2003	Regular
99	Prof. Sekar Nethi	Ph.D.	Speciality Chemicals Technology	Professor	17-02-1988	Regular
100	Prof. Shankarling Subray Ganapati	Ph.D.	Speciality Chemicals Technology	Professor	20-02-2006	Regular
101	Dr. Satyajit Saha	Ph.D.	Speciality Chemicals Technology	Assistant Professor	02-02-2015	Regular
102	Dr. Surajit Some	Ph.D.	Speciality Chemicals Technology	Assistant Professor	17-09-2014	Regular
103	Dr. Nabanita Sadhukhan	Ph.D.	Speciality Chemicals Technology	Assistant Professor	01-04-2016	Regular

Number of Faculty employed and left during the last three years

Sr. No.	Faculty Name	Department/ Course	Designation	Employed Date	Left Date
1.	Dr. Manishkumar D. Yadav	Chemical Engineering	Assistant Professor	24/09/2019	
2.	Prof. Ashok R. Athalye	Fiber & Textile Processing Technology	Professor	12/02/2019	
3.	Prof. Prashant Suresh Kharkar	Pharmaceutical Sciences & Technology	Professor	19/10/2019	
4.	Dr. Aarti Purushottam More	Polymer & Surface Technology	Assistant Professor	01/11/2019	
5.	Dr. Shalini Deb	DBT-ICT Centre For Energy Biosciences	Assistant Professor		02/02/2021
6.	Dr. V. Garimella	Speciality Chemicals Technology	Assistant Professor		30/01/2021
7.	Dr. Usha Sayed	Fibres and Textile Processing Technology	Professor		30/11/2021
8.	Prof. J.M. Nagarkar	Chemistry	Professor		30/04/2021
9.	Prof. A.R. Juvekar	Pharmaceutical Sciences and Technology	Professor		30/04/2021
10.	Prof. CRK Reddy	DBT-ICT Centre For Energy Biosciences	Professor		31/07/2020

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/Handbook_2021-2022.pdf Page No. 241
Criteria for Fee waivers/scholarship	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf
Estimated cost of Boarding and Lodging in Hostels	https://www.ictmumbai.edu.in/uploaded_files/Handbook_2021-2022.pdf Page No. 227
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_2021-22.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/Handbook_2021-2022.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/Handbook_2021-2022.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/Handbook_2021-2022.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	23,935	66,383	18	4,343	516	68	400
Pharmacy	3,484	8,270	4	40	46	0	42

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
Pharmacy	BENTHAM	Bentham
Pharmacy	ELSEVIER	Scopus, Reaxys, Science Direct
Pharmacy	J-Gate	J-Gate
Pharmacy	Nature Publishing Group	Nature
Pharmacy	OTHERS	ACS, RSC, T&F, WEB of SCIENCE, Scifinder, Jove, Thieme
Pharmacy	Springer	Springer Nature
Pharmacy	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

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Under Graduate	PHYSICAL TESTING LAB (A-271)	Electrometer, Static charge analyser, GSM cutter, Perspirometer, Drape-O-METER	Main Building	1
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

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post 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	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

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Engineering and Technology	FIBRES AND TEXTILES PROCESSING TECHNOLOGY	Post Graduate	TEXTILE REASEARCH LAB-3(A-265)	Rota dyer, Hot air oven, Ultrasonicator, orbital Shaker , Homogeniser	Main Building	1
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	Under Graduate	UG PROCESS LABORATORY	Hydraulic Press, Soap Plodder, Centrifuge	Oils Building	4

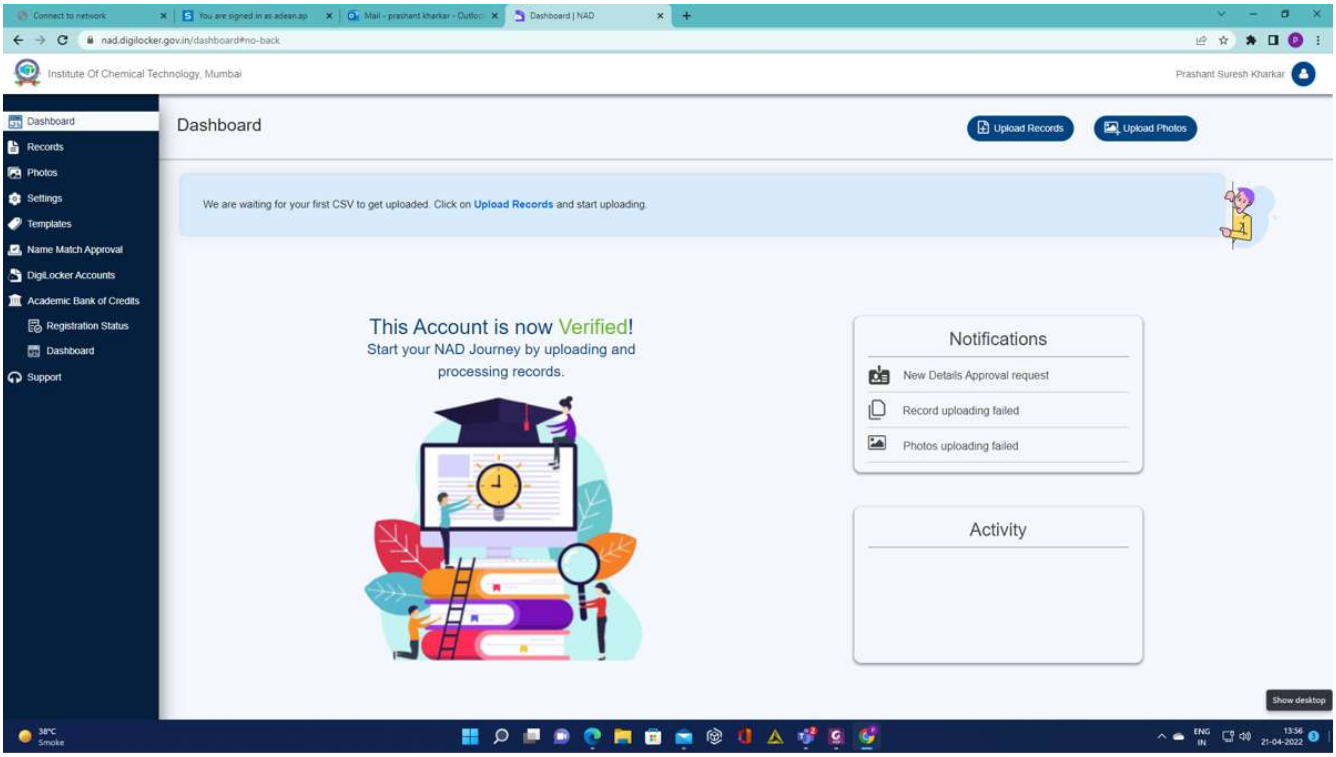
Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
	AND SURFACTANTS TECHNOLOGY					
Engineering and Technology	OILS, OLEOCHEMICALS AND SURFACTANTS TECHNOLOGY	Post Graduate	PG OILS LABORATORY 1	Spray Dryer, High Speed Homogenizer, High Pressure Homogenizer, Oil Extraction Plant, Tensiometer	Oils Building	4
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

Programme	Department	Level	Name of the Laboratory	Lab / Major Equipments	Building Name	Building Number
Engineering and Technology	PHYSICS	Post Graduate	ENERGY LABORATORY	Fume Hood, CVD Furnace, TDS Meter, Peristaltic Pump	Advance Center Building	2
Engineering and Technology	PHYSICS	Post Graduate	MAIN LABORATORY I	Different Types of ovens, UTM, Polarising Microscope, DSC, Moulding Machine, Plasma Chamber	Advance Center Building	2
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_2021-22_10_Nov_2021.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/Handbook_2021-2022.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_2021-22_10_Nov_2021.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 2018-19	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report%202018-19.PDF
2.	AICTE EoA 2019-20	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2019-20.PDF
3.	AICTE EoA 2020-21	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report%202020-21.PDF
4.	AICTE EoA 2021-22	https://www.ictmumbai.edu.in/uploaded_files/EOA_Report_2021-22.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

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

2018-19 Placement Data UG Course											
								Package			
Sr. No.	Program	Total Students	Other	Apper	Jobber	Placed till date	Unplaced	Highest	Lowest	Average	% of placement
1	B. Chem	82	0	38	43	37	6	17	2.4	6.5	86.05
2	B. Pharm	28	0	11	17	5	12	4	4	4	29.41
3	B. Tech Dyes	16	0	4	12	11	1	5	3.5	4	91.67
4	B. Tech Food	16	0	4	12	8	4	6	4.5	4.5	66.67
5	B. Tech Oils	15	1	4	10	5	5	5.5	4	4	50.00
6	B. Tech Pharma	18	0	9	9	6	3	7	4.5	6.8	66.67
7	B. Tech Polymer	15	0	4	11	10	1	8.72	4	5	90.91
8	B. Tech Surface Coating	18	0	8	10	10	0	8.72	4	5	100.00
9	B. Tech Textile	34	0	13	21	12	9	11	3	4	57.14
	TOTAL	**242**		**95**	**145**	**104**	**41**				**71.72**

2018-19 Placement Data PG Course											
Sr. No.	Program	Total Students	Other	Apper	Jobber	Placed	Unplaced	Highest Salary	Median Salary	Lowest Salary	% of placement
1	M. Chem	30	0	1	29	27	2	19.72	6.125	0	93.1
2	M. Pharm	18	0	4	14	12	2	6	4.5	4	85.7
3	M.Tech Pharmaceutical	7	0	0	7	3	4	6	6	5	42.9
4	Pharma Biotech	9	0	2	7	7	0	4.25	4.125	4	100.0
5	BPT	32	0	0	32	26	6	4.5	4.25	3	81.3
6	Plastic	4	0	1	3	0	3	0	0	0	0.0
7	Food Biotech	9	0	0	9	4	5	3	3	3	44.4
8	Food Engg	10	0	0	10	6	4	6	6	5.5	60.0
9	Green Tech	23	0	1	22	4	18	5	4.75	4.5	18.2
10	Oils	16	0	0	16	5	11	5.5	4.07	2.64	31.3
11	Perfumery	10	0	1	9	2	7	7	5.55	4.1	22.2
12	Polymer	19	0	3	16	9	7	6.75	5.5	5	56.3
13	Surface coating	13	0	0	12	6	6	11.3	6.3	5.15	50.0
14	Textile	8	0	0	8	5	3	6.5	4.8	3.6	62.5
15	Maths	19	0	0	19	4	15	7	4	4	21.1
16	M.Sc Chemistry	18	1	5	12	2	10	7	5.75	4.5	16.7
17	M. Sc. Physics	15	0	0	15	3	12	4.5	4.5	4.5	20.0
18	M.Sc. Textile chemistry	20	0	0	20	7	13	3.6	2.6	2.2	35.0
	TOTAL	**280**		**18**	**260**	**132**	**128**		**4.625**		**50.8**

2019-20 Placement Data UG Course									
SR. NO.	PROGRAM	CODE	JOBBERS	APPERS	TOTAL	Placed till date	Unplaced	% of placement	Median Salary
1	B Tech (Dyestuff and Intermediates Technology)	BT-DYE	7	10	17	4	3	57	4
2	B Tech (Fibres and Textile Processing Technology)	BT-TXT	21	10	31	9	12	43	5
3	B Tech (Food Engineering and Technology)	BT-FET	9	5	14	6	3	67	6
4	B Tech (Oils, Oleochemicals and Surfactants Technology)	BT-OIL	9	9	18	6	3	67	5
5	B Tech (Pharmaceutical Chemistry and Technology)	BT-PH	8	8	16	4	4	50	6
6	B Tech (Polymer Engineering and Technology)	BT-PO	13	6	19	7	6	54	9
7	B Tech (Surface Coating Technology)	BT-CO	9	4	13	6	3	67	5
8	B Pharmacy	BPH	7	8	15	3	4	43	7
9	B Chemical Engineering	BCHEM	53	21	74	50	3	94	7
	Total		**136**	**81**	**217**	**95**	**41**	**70**	**6**

2019-20 Placement Data PG Course									
SR. NO.	PROGRAM	CODE	JOBBERS	APPERS	TOTAL	Placed till date	Unplaced	% of placement	Median salary
1	M Tech (Dyestuff and Intermediates Technology)	MT-DYE	2	1	3	0	2	0	0
2	M Tech (Fibres and Textile Processing Technology)	MT-TXT	12	0	12	5	7	42	5.75
3	M Tech (Food Engineering and Technology)	MT-FET	18	0	18	8	10	44	7
4	M Tech (Oils, Oleochemicals and Surfactants Technology)	MT-OIL	17	1	18	14	3	82	5.5
5	M Tech (Pharmaceutical Chemistry and Technology)	MT-PH	17	0	17	14	3	82	5
6	M Tech (Polymer Engineering and Technology)	MT-PO	14	3	17	5	9	36	8.05
7	M Tech (Surface Coating Technology)	MT-CO	15	2	17	6	9	40	6
8	M Pharmacy	MPH	18	0	18	14	4	78	5.5
9	M Chemical Engineering	MCHEM	27	2	29	27	0	100	6
10	M Tech (Bioprocess Technology)	MT-BPT	20	1	21	20	0	100	5.5
11	M Tech (Green Technology)	MT-GT	16	1	17	8	8	50	5
12	M Tech (Perfumery and Flavour Technology)	MT-PFT	18	0	18	9	9	50	4.05
13	M Tech (Food Biotechnology)	MT-FBT	8	1	9	4	4	50	5.4
14	M Tech (Pharmaceutical Biotechnology)	MT-PHB	6	0	6	6	0	100	4
15	ME (Plastic Engineering)	MEP	8	0	8	2	6	25	0
16	M Sc (Chemistry)	MS-CH	10	12	22	5	5	50	5
17	M Sc (Engineering Mathematics)	MS-MAT	16	2	18	5	11	31	3.75
18	M Sc (Physics: Material Science)	MS-PHY	9	1	10	3	6	33	5.34
19	M Sc (Textile Chemistry)	MS-TXT	8	6	14	2	6	25	6
	Total		**259**	**33**	**292**	**157**	**102**	**61**	**5.4**

2020-21 Placement Data UG Course									
Sr. No.	PROGRAM	CODE	JOBBERS	APPERS	OTHERS	TOTAL	Placed till date	Unplaced	% placement
1	B Tech (Dyestuff and Intermediates Technology)	BT-DYE	7	10	0	17	7	0	100
2	B Tech (Fibres and Textile Processing Technology)	BT-TXT	20	9	0	29	19	1	95
3	B Tech (Food Engineering and Technology)	BT-FET	11	8	0	19	6	5	55
4	B Tech (Oils, Oleochemicals and Surfactants Technology)	BT-OIL	11	5	0	16	8	3	73
5	B Tech (Pharmaceutical Chemistry and Technology)	BT-PH	7	12	0	19	4	3	57
6	B Tech (Polymer Engineering and Technology)	BT-PO	13	3	0	16	6	7	46
7	B Tech (Surface Coating Technology)	BT-CO	15	2	0	17	9	6	60
8	B Pharmacy	BPH	18	8	0	26	1	17	6
9	B Chemical Engineering	BCHEM	47	29	3	79	44	3	94
	Total		**149**	**86**	**3**	**235**	**104**	**45**	**70**

2020-21 Placement Data PG Course								
Sr. No.	PROGRAM	CODE	JOBBERS	APPERS	TOTAL	Placed till date	Unplaced	% of placement
1	M Tech (Dyestuff and Intermediates Technology)	MT-DYE	13	2	15	7	6	54
2	M Tech (Fibres and Textile Processing Technology)	MT-TXT	8	7	15	7	1	88
3	M Tech (Food Engineering and Technology)	MT-FET	16	1	17	10	6	63
4	M Tech (Oils, Oleochemicals and Surfactants Technology)	MT-OIL	18	0	18	9	9	50
5	M Tech (Pharmaceutical Chemistry and Technology)	MT-PH	18	1	19	15	3	83
6	M Tech (Polymer Engineering and Technology)	MT-PO	19	0	19	8	11	42
7	M Tech (Surface Coating Technology)	MT-CO	18	0	18	11	7	61
8	M Pharmacy	MPH	13	5	18	13	0	100
9	M Chemical Engineering	MCHEM	27	1	28	24	3	89
10	M Tech (Bioprocess Technology)	MT-BPT	27	3	30	23	4	85
11	M Tech (Green Technology)	MT-GT	18	8	26	14	4	78
12	M Tech (Perfumery and Flavour Technology)	MT-PFT	18	0	18	14	4	78
13	M Tech (Food Biotechnology)	MT-FBT	10	0	10	8	2	80
14	M Tech (Pharmaceutical Biotechnology)	MT-PHB	9	1	10	5	4	56
15	ME (Plastic Engineering)	MEP	10	0	10	5	5	50
16	M Sc (Chemistry)	MS-CH	19	7	26	8	11	42
17	M Sc (Engineering Mathematics)	MS-MAT	15	2	17	6	9	40
18	M Sc (Physics: Material Science)	MS-PHY	17	1	18	8	9	47
19	M Sc (Textile Chemistry)	MS-TXT	8	4	12	6	2	75
	Total		**301**	**43**	**344**	**201**	**100**	**67**

Annexure B – Students Enrollment Data

ACADEMIC YEAR 2019-20 (UG)																												
SR. No.	Branch		Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT - D		SBC		PH		SEBC		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	
1	B.Chem. Engg.	CAP	75	32	6	8	4	4	2	1	2	1	0	2	1	1	1	1	0	2	0	0	0	4	2	56	18	74
		TFWS	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
		EWS	8	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	8
		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	1	0	1
		J & K (PM)	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
2	B. Pharm	CAP	30	10	6	2	3	0	2	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	2	15	14	29
		TFWS	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EWS	3	0	2	0	0	0	0	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	0	0	0	0
		J & K (PM)	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
3	B. Tech. Dyes	CAP	20	9	5	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	13	6	19
		TFWS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	2	1	0	0	0	0	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	0	0	0	0
		J & K (PM)	-	0	0	0	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. Fibres and Textile	CAP	34	11	5	8	2	1	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	2	22	12	34
		TFWS	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	3	2	0	0	0	0	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	0	0	0
		J & K (PM)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	B. Tech. Polymer	CAP	16	8	2	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	12	4	16
		TFWS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

		EWS	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J & K (ARA)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		J & K (PM)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	B. Tech. FET	CAP	16	3	5	2	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	8	8	16	
		TFWS	1	0	0	0	0	0	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	0	0	0	0	0	1	1	2	
		J & K (ARA)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
		J & K (PM)	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
7	B. Tech. Oil	CAP	16	6	3	2	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	11	5	16		
		TFWS	1	0	0	0	0	0	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	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	0	0	0	0	0	
		J & K (PM)	1	1	0	0	0	0	0	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	8	1	1	1	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	12	4	16		
		TFWS	1	0	0	0	0	0	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	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	0	0	0	0	0	
		J & K (PM)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
9	B. Tech. Pharma. Chemistry & Tech.	CAP	18	7	4	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	11	7	18		
		TFWS	1	0	1	0	0	0	0	0	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	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	0	0	0	0	0	
		J & K (PM)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total				117	48	28	12	12	6	2	4	6	0	2	3	5	1	1	1	3	2	0	2	10	11	187	90	277		

ACADEMIC YEAR 2020-21 (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	29	7	9	4	5	2	2	1	1	1	1	0	1	1	1	1	1	0	50	17	72
		PH 1		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
		DEF 1		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
		DEF 3		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		TFWS	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
		EWS	8	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	7
		J & K (ARA)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
		J & K (PM)	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		STUDY IN INDIA		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	10	0	3	2	2	1	1	0	0	1	0	0	1	0	0	1	1	8	18	30
		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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		DEF 3		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
		TFWS	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		EWS	3	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 (PM)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
3	B. Tech. Dyes	CAP	18	5	3	3	1	2	1	0	0	0	0	0	0	0	0	1	0	0	0	11	5	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	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	0
		J & K (PM)	-	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. Fibres and Textile	CAP	34	9	9	2	2	2	1	0	1	0	0	1	0	1	0	0	0	1	0	16	13	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		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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
		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 (PM)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5	B. Tech. Polymer	CAP	16	9	2	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	14	2	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	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 (PM)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	B. Tech. Food Engg. & Tech.	CAP	16	7	2	0	1	1	1	0	0	0	0	0	1	0	1	0	0	1	0	9	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		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 (PM)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1

7	B. Tech. Oil	CAP	16	8	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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	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	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 (PM)	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	16	5	3	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	10	5	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	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 (PM)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	B. Tech. Pharma. Chemistry & Tech.	CAP	18	6	2	2	1	1	1	1	0	0	1	0	0	1	0	0	0	2	0	13	5	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	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)	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J & K (PM)	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	Total			117	48	30	15	16	9	6	3	2	2	3	1	3	3	3	1	6	2	189	86	275

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

		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		CAP	16	8	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10	3	15

	B. Tech. Polymer	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

Master (ACADEMIC YEAR 2019-20) PG																									
SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT - D		SBC		PH		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
1	M.Chem. Engg.	30	15	4	7	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	7	30
2	M.E. Plastic Engg.	18	3	1	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	10
3	M.E. Plastic Engg. (Sponsored 3 Years)	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	M.Tech. Dyes	18	4	4	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8	15
5	M.Tech. Textile	18	8	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	6	15
6	M.Tech. Polymer	18	6	0	7	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	4	18
7	M.Tech. FET	18	7	2	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	5	17
8	M.Tech. Green	30	10	7	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	10	26
9	M.Tech. Oil	18	4	3	3	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	10	18
10	M.Tech. Perfumery	18	3	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	18
11	M.Tech. surface coating	18	3	1	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	3	18
12	M.Tech. Pharma. Science & Tech.	18	3	8	1	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	18
13	M.PHARM MNP	6	2	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
14	Pharmaceutical chemistry	6	1	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6
15	Pharmaceutics	6	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
16	M.Tech. BPT (JNU)	30	3	6	10	5	1	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	14	16	30
17	M.Tech. FBT (JNU)	10	2	2	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	5	10
18	M.Tech. Pharma. Biotech. (JNU)	10	1	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10
	Total	300	78	57	66	39	12	15	1	4	0	0	0	0	0	0	0	0	0	0	0	0	157	115	272

Master (ACADEMIC YEAR 2020-21) PG																									
SR. No.	Branch	Intake	OPEN		OBC		SC		ST		VJDT/ NT-A		NT-B		NT-C		NT - D		SBC		PH		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
1	M.Chem. Engg.	30	12	5	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	5	29
2	M.E. Plastic Engg.	18	2	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	11
3	M.Tech. Dyestuff Tech.	18	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6
4	M.Tech. Fibre & Textile Processing Technology	18	7	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	5	16
5	M.Tech. Polymer Engineering & Technology	18	7	1	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	4	18
6	M.Tech. Food Engineering & Tech.	18	6	4	2	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10	8	18
7	M.Tech. Green Technology	30	3	12	5	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	28
8	M.Tech. Oil, Oleochemicals & Surfactants Technology	18	5	3	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	5	17
9	M.Tech. Perfumery & Flavour Tech.	18	1	5	4	4	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	18
10	M.Tech. Surface coating Technology	18	7	2	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	7	18
11	M.Tech. Pharmaceutical Chemistry and Technology	18	3	3	7	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11	7	18
12	M. Pharm. (MNP)	6	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
	M. Pharm. (Pharmaceutical chemistry)	6	1	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
	M. Pharm. (Pharmaceutics)	6	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6
13	M.Tech. BPT (GAT-B)	30	6	10	4	3	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	12	17	29
14	M.Tech. FBT (GAT-B)	10	1	4	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	9
15	M.Tech. Pharma. Biotech. (GAT-B)	10	4	3	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	10
	Total	290	69	63	57	39	13	15	4	1	0	0	0	0	0	0	0	0	0	0	0	0	143	118	261

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

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	Sayyed, A.J., Deshmukh, N.A., Pinjari, D.V.	A critical review of manufacturing processes used in regenerated cellulosic fibres: viscose, cellulose acetate, cuprammonium, LiCl/DMAc, ionic liquids, and NMMO based lyocell	2019	Cellulose	26	5	2913	2940
2	Nadar, S.S., Vaidya, L., Maurya, S., Rathod, V.K.	Polysaccharide based metal organic frameworks (polysaccharide–MOF): A review	2019	Coordination Chemistry Reviews	396		1	21
3	Wilson, H.M., Rahman A.R., S., Parab, A.E., Jha, N.	Ultra-low cost cotton based solar evaporation device for seawater desalination and waste water purification to produce drinkable water	2019	Desalination	456		85	96
4	Mishra, V.R., Ghanavatkar, C.W., Mali, S.N., Qureshi, S.I., Chaudhari, H.K., Sekar, N.	Design, synthesis, antimicrobial activity and computational studies of novel azo linked substituted benzimidazole, benzoxazole and benzothiazole derivatives	2019	Computational Biology and Chemistry	78		330	337
5	Kadam, D., Momin, B., Palamthodi, S., Lele, S.S.	Physicochemical and functional properties of chitosan-based nano-composite films incorporated with biogenic silver nanoparticles	2019	Carbohydrate Polymers	211		124	132
6	Dharadhar, S., Majumdar, A., Dhoble, S., Patravale, V.	Microneedles for transdermal drug delivery: a systematic review	2019	Drug Development and Industrial Pharmacy	45	2	188	201
7	Rajoriya, S., Bargole, S., George, S., Saharan, V.K., Gogate, P.R., Pandit, A.B.	Synthesis and characterization of samarium and nitrogen doped TiO2 photocatalysts for photo-degradation of 4-acetamidophenol in combination with hydrodynamic and acoustic cavitation	2019	Separation and Purification Technology	209		254	269
8	Bedade, D.K., Sutar, Y.B., Singhal, R.S.	Chitosan coated calcium alginate beads for covalent immobilization of acrylamidase: Process parameters and removal of acrylamide from coffee	2019	Food Chemistry	275		95	104
9	Kashyap, S.S., Gogate, P.R., Joshi, S.M.	Ultrasound assisted synthesis of biodiesel from karanja oil by interesterification: Intensification studies and optimization using RSM	2019	Ultrasonics Sonochemistry	50		36	45
10	Sharma, M., Gat, Y., Arya, S., Kumar, V., Panghal, A., Kumar, A.	A review on microbial alkaline protease: An essential tool for various industrial approaches	2019	Industrial Biotechnology	15	2	69	78
11	Ipar, V.S., Dsouza, A., Devarajan, P.V.	Enhancing Curcumin Oral Bioavailability Through Nanoformulations	2019	European Journal of Drug Metabolism and Pharmacokinetics	44	4	459	480
12	Thanekar, P., Gogate, P.R.	Combined hydrodynamic cavitation based processes as an efficient treatment option for real industrial effluent	2019	Ultrasonics Sonochemistry	53		202	213
13	Saptal, V.B., Saptal, M.V., Mane, R.S., Sasaki, T., Bhanage, B.M.	Amine-Functionalized Graphene Oxide-Stabilized Pd Nanoparticles (Pd@APGO): A Novel and Efficient Catalyst for the Suzuki and Carbonylative Suzuki-Miyaura Coupling Reactions	2019	ACS Omega	4	1	643	649
14	Biranje, S.S., Madiwale, P.V., Patankar, K.C., Chhabra, R., Dandekar-Jain, P., Adivarekar, R.V.	Hemostasis and anti-necrotic activity of wound-healing dressing containing chitosan nanoparticles	2019	International Journal of Biological Macromolecules	121		936	946

15	Badgujar, K.C., Wilson, L.D., Bhanage, B.M.	Recent advances for sustainable production of levulinic acid in ionic liquids from biomass: Current scenario, opportunities and challenges	2019	Renewable and Sustainable Energy Reviews	102		266	284
16	Rifna, E.J., Singh, S.K., Chakraborty, S., Dwivedi, M.	Effect of thermal and non-thermal techniques for microbial safety in food powder: Recent advances	2019	Food Research International	126			
17	Mondal, U., Yadav, G.D.	Perspective of dimethyl ether as fuel: Part I. Catalysis	2019	Journal of CO2 Utilization	32		299	320
18	Mishra, M., Gundimeda, A., Garg, T., Dash, A., Das, S., Vandana, Gupta, G.	ZnO/GaN heterojunction based self-powered photodetectors: Influence of interfacial states on UV sensing	2019	Applied Surface Science	478		1081	1089
19	Wadekar, P.H., Khose, R.V., Pethsangave, D.A., Some, S.	One-Pot Synthesis of Sulfur and Nitrogen Co-Functionalized Graphene Material using Deep Eutectic Solvents for Supercapacitors	2019	ChemSusChem	12	14	3326	3335
20	Pethsangave, D.A., Khose, R.V., Wadekar, P.H., Some, S.	Novel Approach toward the Synthesis of a Phosphorus-Functionalized Polymer-Based Graphene Composite as an Efficient Flame Retardant	2019	ACS Sustainable Chemistry and Engineering	7	13	11745	11753
21	Gupta, S.S.R., Kantam, M.L.	Catalytic conversion of furfuryl alcohol or levulinic acid into alkyl levulinates using a sulfonic acid-functionalized hafnium-based MOF	2019	Catalysis Communications	124		62	66
22	Bhaskar, B., Ananthanarayan, L., Jamdar, S.	Purification, identification, and characterization of novel angiotensin I-converting enzyme (ACE) inhibitory peptides from alcalase digested horse gram flour	2019	LWT	103		155	161
23	Nadar, S.S., Rathod, V.K.	A co-immobilization of pectinase and cellulase onto magnetic nanoparticles for antioxidant extraction from waste fruit peels	2019	Biocatalysis and Agricultural Biotechnology	17		470	479
24	Momin, B., Rahman, S., Jha, N., Annapure, U.S.	Valorization of mutant Bacillus licheniformis M09 supernatant for green synthesis of silver nanoparticles: photocatalytic dye degradation, antibacterial activity, and cytotoxicity	2019	Bioprocess and Biosystems Engineering	42	4	541	553
25	Joshi, S.M., Gogate, P.R.	Intensification of industrial wastewater treatment using hydrodynamic cavitation combined with advanced oxidation at operating capacity of 70 L	2019	Ultrasonics Sonochemistry	52		375	381
26	Joshi, S.M., Gogate, P.R.	Treatment of landfill leachate using different configurations of ultrasonic reactors combined with advanced oxidation processes	2019	Separation and Purification Technology	211		10	18
27	Ghanavatkar, C.W., Mishra, V.R., Mali, S.N., Chaudhari, H.K., Sekar, N.	Synthesis, bioactivities, DFT and in-silico appraisal of azo clubbed benzothiazole derivatives	2019	Journal of Molecular Structure	1192		162	171
28	Behera, M., Naik, R., Sripan, C., R.Ganesan, N.C.Mishra	Influence of Bi content on linear and nonlinear optical properties of As40Se60-xBix chalcogenide thin films	2019	Current Applied Physics	19	8	884	893
29	Doltade, S.B., Dastane, G.G., Jadhav, N.L., Pandit, A.B., Pinjari, D.V., Somkuwar, N., Paswan, R.	Hydrodynamic cavitation as an imperative technology for the treatment of petroleum refinery effluent	2019	Journal of Water Process Engineering	29			
30	Ayare, N.N., Ramugade, S.H., Sekar, N.	Photostable coumarin containing azo dyes with multifunctional property	2019	Dyes and Pigments	163		692	699

31	Subhedar, D.D., Mishra, A.A., Bhanage, B.M.	N-Methoxybenzamide: A Versatile Directing Group for Palladium-, Rhodium- and Ruthenium-Catalyzed C−H Bond Activations	2019	Advanced Synthesis and Catalysis	361	18	4149	4195
32	Krishnamoorthy, M., Jha, N.	Oxygen-Rich Hierarchical Porous Graphene as an Excellent Electrode for Supercapacitors, Aqueous Al-Ion Battery, and Capacitive Deionization	2019	ACS Sustainable Chemistry and Engineering	7	9	8475	8489
33	Pawar, S.A., Chand, A.N., Kumar, A.V.	Polydopamine: An Amine Oxidase Mimicking Sustainable Catalyst for the Synthesis of Nitrogen Heterocycles under Aqueous Conditions	2019	ACS Sustainable Chemistry and Engineering	7	9	8274	8286
34	Arya, S.S., Kaimal, A.M., Chib, M., Sonawane, S.K., Show, P.L.	Novel, energy efficient and green cloud point extraction: technology and applications in food processing	2019	Journal of Food Science and Technology	56	2	524	534
35	Bedade, D.K., Muley, A.B., Singhal, R.S.	Magnetic cross-linked enzyme aggregates of acrylamidase from Cupriavidus oxalaticus ICTDB921 for biodegradation of acrylamide from industrial waste water	2019	Bioresource Technology	272		137	145
36	Nadar, S.S., Rathod, V.K.	One pot synthesis of α-amylase metal organic framework (MOF)-sponge via dip-coating technique	2019	International Journal of Biological Macromolecules	138		1035	1043
37	Talpade, A.D., Tiwari, M.S., Yadav, G.D.	Selective hydrogenation of bio-based 5-hydroxymethyl furfural to 2,5-dimethylfuran over magnetically separable Fe-Pd/C bimetallic nanocatalyst	2019	Molecular Catalysis	465		1	15
38	Khopkar, S., Shankarling, G.	Synthesis, photophysical properties and applications of NIR absorbing unsymmetrical squaraines: A review	2019	Dyes and Pigments	170			
39	Rao, P., Rathod, V.	Valorization of Food and Agricultural Waste: A Step towards Greener Future	2019	Chemical Record	19	9	1858	1871
40	Kshatriya, R., Jejurkar, V.P., Saha, S.	Advances in The Catalytic Synthesis of Triarylmethanes (TRAMs)	2019	European Journal of Organic Chemistry	2019	24	3818	3841
41	Mhatre, A., Gore, S., Mhatre, A., Trivedi, N., Sharma, M., Pandit, R., Anil, A., Lali, A.	Effect of multiple product extractions on bio-methane potential of marine macrophytic green alga Ulva lactuca	2019	Renewable Energy	132		742	751
42	Umale, S., Sudhakar, V., Sontakke, S.M., Krishnamoorthy, K., Pandit, A.B.	Improved efficiency of DSSC using combustion synthesized TiO2	2019	Materials Research Bulletin	109		222	226
43	Yadav, S.B., Kothavale, S., Sekar, N.	Triphenylamine and N-phenyl carbazole-based coumarin derivatives: Synthesis, solvatochromism, acidochromism, linear and nonlinear optical properties	2019	Journal of Photochemistry and Photobiology A: Chemistry	382			
44	Shende, V.S., Saptal, V.B., Bhanage, B.M.	Recent Advances Utilized in the Recycling of Homogeneous Catalysis	2019	Chemical Record	19	9	2022	2043
45	Holkar, C.R., Jadhav, A.J., Pinjari, D.V., Pandit, A.B.	Cavitationally Driven Transformations: A Technique of Process Intensification	2019	Industrial and Engineering Chemistry Research	58	15	5797	5819

46	Salgaonkar, M., Nadar, S.S., Rathod, V.K.	Biomineralization of orange peel peroxidase within metal organic frameworks (OPP-MOFs) for dye degradation	2019	Journal of Environmental Chemical Engineering	7	2		
47	Marathe, S.J., Jadhav, S.B., Bankar, S.B., Kumari Dubey, K., Singhal, R.S.	Improvements in the extraction of bioactive compounds by enzymes	2019	Current Opinion in Food Science	25		62	72
48	Raj, A.S., Chakraborty, S., Rao, P.S.	Thermal assisted high-pressure processing of Indian gooseberry (Embilica officinalis L.) juice – Impact on colour and nutritional attributes	2019	LWT	99		119	127
49	Salve, A.R., Pegu, K., Arya, S.S.	Comparative assessment of high-intensity ultrasound and hydrodynamic cavitation processing on physico-chemical properties and microbial inactivation of peanut milk	2019	Ultrasonics Sonochemistry	59			
50	Mishra, A.A., Subhedar, D., Bhanage, B.M.	Nickel, Cobalt and Palladium Catalysed C−H Functionalization of Un-Activated C(sp3)−H Bond	2019	Chemical Record	19	9	1829	1857
51	Ahirrao, D.J., Tambat, S., Pandit, A.B., Jha, N.	Sweet-Lime-Peels-Derived Activated-Carbon-Based Electrode for Highly Efficient Supercapacitor and Flow-Through Water Desalination	2019	ChemistrySelect	4	9	2610	2625
52	Ayare, S.D., Gogate, P.R.	Sonocatalytic treatment of phosphonate containing industrial wastewater intensified using combined oxidation approaches	2019	Ultrasonics Sonochemistry	51		69	76
53	Suryawanshi, Y., Sanap, P., Wani, V.	Advances in the synthesis of non-isocyanate polyurethanes	2019	Polymer Bulletin	76	6	3233	3246
54	Banerjee, A., Chakrabarty, M., Rakshit, N., Bhowmick, A.R., Ray, S.	Environmental factors as indicators of dissolved oxygen concentration and zooplankton abundance: Deep learning versus traditional regression approach	2019	Ecological Indicators	100		99	117
55	Pai, S.A., Munshi, R.P., Panchal, F.H., Gaur, I.-S., Mestry, S.N., Gursahani, M.S., Juvekar, A.R.	Plumbagin reduces obesity and nonalcoholic fatty liver disease induced by fructose in rats through regulation of lipid metabolism, inflammation and oxidative stress	2019	Biomedicine and Pharmacotherapy	111		686	694
56	Sayyed, A.J., Mohite, L.V., Deshmukh, N.A., Pinjari, D.V.	Structural characterization of cellulose pulp in aqueous NMMO solution under the process conditions of lyocell slurry	2019	Carbohydrate Polymers	206		220	228
57	Limkar, M.B., Pawar, S.V., Rathod, V.K.	Statistical optimization of xylanase and alkaline protease co-production by Bacillus spp using Box-Behnken Design under submerged fermentation using wheat bran as a substrate	2019	Biocatalysis and Agricultural Biotechnology	17		455	464
58	Manjappa, A.S., Kumbhar, P.S., Patil, A.B., Disouza, J.I., Patravale, V.B.	Polymeric mixed micelles: Improving the anticancer efficacy of single-copolymer micelles	2019	Critical Reviews in Therapeutic Drug Carrier Systems	36	1	1	58
59	Ansari, K.B., Gaikar, V.G.	Investigating production of hydrocarbon rich bio-oil from grassy biomass using vacuum pyrolysis coupled with online deoxygenation of volatile products over metallic iron	2019	Renewable Energy	130		305	318
60	Sorde, K.L., Ananthanarayan, L.	Effect of transglutaminase treatment on properties of coconut protein-guar gum composite film	2019	LWT	115			
61	Ahirrao, D.J., Wilson, H.M., Jha, N.	TiO2-nanoflowers as flexible electrode for high performance supercapacitor	2019	Applied Surface Science	491		765	778

62	Shah, N.N., K.V., U., Singhal, R.S.	Hydrophobically modified pea proteins: Synthesis, characterization and evaluation as emulsifiers in eggless cake	2019	Journal of Food Engineering	255		15	23
63	Vishwasrao, C., Momin, B., Ananthanarayan, L.	Green Synthesis of Silver Nanoparticles Using Sapota Fruit Waste and Evaluation of Their Antimicrobial Activity	2019	Waste and Biomass Valorization	10	8	2353	2363
64	Waghmare, A., Nagula, K., Pandit, A., Arya, S.	Hydrodynamic cavitation for energy efficient and scalable process of microalgae cell disruption	2019	Algal Research	40			
65	Jadhav, J.V., Pratap, A.P., Kale, S.B.	Evaluation of sunflower oil refinery waste as feedstock for production of sophorolipid	2019	Process Biochemistry	78		15	24
66	Dhawane, M., Deshpande, A., Jain, R., Dandekar, P.	Colorimetric point-of-care detection of cholesterol using chitosan nanofibers	2019	Sensors and Actuators, B: Chemical	281		72	79
67	Mishra, V.R., Ghanavatkar, C.W., Sekar, N.	UV protective heterocyclic disperse azo dyes: Spectral properties, dyeing, potent antibacterial activity on dyed fabric and comparative computational study	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	223			
68	Ambre, J.P., Dhopte, K.B., Nemade, P.R., Dalvi, V.H.	High flux hyperbranched starch-graphene oxide piperazinamide composite nanofiltration membrane	2019	Journal of Environmental Chemical Engineering	7	6		
69	Gadhave, R.V., S. Kasbe, P., Mahanwar, P.A., Gadekar, P.T.	Synthesis and characterization of lignin-polyurethane based wood adhesive	2019	International Journal of Adhesion and Adhesives	95			
70	Thorat, N., Yadav, A., Yadav, M., Gupta, S., Varma, R., Pillai, S., Fernandes, R., Patel, M., Patel, N.	Ag loaded B-doped-g C3N4 nanosheet with efficient properties for photocatalysis	2019	Journal of Environmental Management	247		57	66
71	Saha, S., Maji, P., Pethsangave, D.A., Roy, A., Ray, A., Some, S., Das, S.	Effect of morphological ordering on the electrochemical performance of MnO2-Graphene oxide composite	2019	Electrochimica Acta	317		199	210
72	Mondal, U., Yadav, G.D.	Perspective of dimethyl ether as fuel: Part II- analysis of reactor systems and industrial processes	2019	Journal of CO2 Utilization	32		321	338
73	Katariya Jain, A., Deshmukh, R.R.	Electro-optical and dielectric study of multi-walled carbon nanotube doped polymer dispersed liquid crystal films	2019	Liquid Crystals	46	8	1191	1202
74	Jawale, R.H., Gogate, P.R.	Novel approaches based on hydrodynamic cavitation for treatment of wastewater containing potassium thiocyanate	2019	Ultrasonics Sonochemistry	52		214	223
75	Mali, S.N., Chaudhari, H.K.	Molecular modelling studies on adamantane-based Ebola virus GP-1 inhibitors using docking, pharmacophore and 3D-QSAR	2019	SAR and QSAR in Environmental Research	30	3	161	180
76	Gadhave, R.V., Mahanwar, P.A., Gadekar, P.T.	Effect of glutaraldehyde on thermal and mechanical properties of starch and polyvinyl alcohol blends	2019	Designed Monomers and Polymers	22	1	164	170
77	Shinde, S., Sekar, N.	Synthesis, spectroscopic characteristics, dyeing performance and TD-DFT study of quinolone based red emitting acid azo dyes	2019	Dyes and Pigments	168		12	27
78	De, S.S., Khambete, M.P., Degani, M.S.	Oxadiazole scaffolds in anti-tuberculosis drug discovery	2019	Bioorganic and Medicinal Chemistry Letters	29	16	1999	2007

79	Kashyap, S.S., Gogate, P.R., Joshi, S.M.	Ultrasound assisted intensified production of biodiesel from sustainable source as karanja oil using interesterification based on heterogeneous catalyst (Γ-alumina)	2019	Chemical Engineering and Processing - Process Intensification	136		11	16
80	Nakhate, P.H., Gadipelly, C.R., Joshi, N.T., Marathe, K.V.	Engineering aspects of catalytic ozonation for purification of real textile industry wastewater at the pilot scale	2019	Journal of Industrial and Engineering Chemistry	69		77	89
81	Gautam, P., Tiwari, N.J., Bhanage, B.M.	Aminophosphine Palladium Pincer-Catalyzed Carbonylative Sonogashira and Suzuki-Miyaura Cross-Coupling with High Catalytic Turnovers	2019	ACS Omega	4	1	1560	1574
82	Pai, S.A., Munshi, R.P., Panchal, F.H., Gaur, I.-S., Juvekar, A.R.	Chrysin ameliorates nonalcoholic fatty liver disease in rats	2019	Naunyn-Schmiedeberg's Archives of Pharmacology	392	12	1617	1628
83	Shelke, P.B., Mali, S.N., Chaudhari, H.K., Pratap, A.P.	Chitosan hydrochloride mediated efficient, green catalysis for the synthesis of perimidine derivatives	2019	Journal of Heterocyclic Chemistry	56	11	3048	3054
84	Bulbul, V.J., Bhushette, P.R., Zambare, R.S., Deshmukh, R.R., Annapure, U.S.	Effect of cold plasma treatment on Xanthan gum properties	2019	Polymer Testing	79			
85	Nagavekar, N., Singhal, R.S.	Supercritical fluid extraction of Curcuma longa and Curcuma amada oleoresin: Optimization of extraction conditions, extract profiling, and comparison of bioactivities	2019	Industrial Crops and Products	134		134	145
86	Kshatriya, R., Kambale, D., Mali, S., Jejurkar, V.P., Lokhande, P., Chaudhari, H.K., Saha, S.	Brønsted Acid Catalyzed Domino Synthesis of Functionalized 4H-Chromens and Their ADMET, Molecular Docking and Antibacterial Studies	2019	ChemistrySelect	4	27	7943	7948
87	Patil, S.S., Bhasarkar, S., Rathod, V.K.	Extraction of curcuminoids from Curcuma longa: comparative study between batch extraction and novel three phase partitioning	2019	Preparative Biochemistry and Biotechnology	49	4	407	418
88	More, N.S., Gogate, P.R.	Intensified approach for desulfurization of simulated fuel containing thiophene based on ultrasonic flow cell and oxidizing agents	2019	Ultrasonics Sonochemistry	51		58	68
89	Pisal, D.S., Yadav, G.D.	Single-Step Hydrogenolysis of Furfural to 1,2-Pentanediol Using a Bifunctional Rh/OMS-2 Catalyst	2019	ACS Omega	4	1	1201	1214
90	Ghungrud, S.A., Dewoolkar, K.D., Vaidya, P.D.	Cerium-promoted bi-functional hybrid materials made of Ni, Co and hydrotalcite for sorption-enhanced steam methane reforming (SESMR)	2019	International Journal of Hydrogen Energy	44	2	694	706
91	Sarnaik, A., Abernathy, M.H., Han, X., Ouyang, Y., Xia, K., Chen, Y., Cress, B., Zhang, F., Lali, A., Pandit, R., Linhardt, R.J., Tang, Y.J., Koffas, M.A.G.	Metabolic engineering of cyanobacteria for photoautotrophic production of heparosan, a pharmaceutical precursor of heparin	2019	Algal Research	37		57	63
92	Mishra, V.R., Ghanavatkar, C.W., Sekar, N.	ESIPT clubbed azo dyes as deep red emitting fluorescent molecular rotors: Photophysical properties, pH study, viscosity sensitivity, and DFT studies	2019	Journal of Luminescence	215			

93	Desai, D.S., Yadav, G.D.	Green Synthesis of Furfural Acetone by Solvent-Free Aldol Condensation of Furfural with Acetone over La2O3-MgO Mixed Oxide Catalyst	2019	Industrial and Engineering Chemistry Research	58	35	16096	16105
94	Kalghatgi, S.G., Bhanage, B.M.	Green syntheses of levulinate esters using ionic liquid 1-Methyl imidazolium hydrogen sulphate [MIM][HSO 4] in solvent free system	2019	Journal of Molecular Liquids	281		70	80
95	Yadav, M.D., Dasgupta, K., Patwardhan, A.W., Kaushal, A., Joshi, J.B.	Kinetic study of single-walled carbon nanotube synthesis by thermocatalytic decomposition of methane using floating catalyst chemical vapour deposition	2019	Chemical Engineering Science			91	103
96	Mevada, J., Devi, S., Pandit, A.	Large scale microbial cell disruption using hydrodynamic cavitation: Energy saving options	2019	Biochemical Engineering Journal	143		151	160
97	Kandasamy, G., Khan, S., Giri, J., Bose, S., Veerapu, N.S., Maity, D.	One-pot synthesis of hydrophilic flower-shaped iron oxide nanoclusters (IONCs) based ferrofluids for magnetic fluid hyperthermia applications	2019	Journal of Molecular Liquids	275		699	712
98	Deshmukh, D.S., Yadav, P.A., Bhanage, B.M.	Cp*Co(iii)-catalyzed annulation of azines by C-H/N-N bond activation for the synthesis of isoquinolines	2019	Organic and Biomolecular Chemistry	17	14	3489	3496
99	Patel, M., Hirlekar, R.	Multicomponent cyclodextrin system for improvement of solubility and dissolution rate of poorly water soluble drug	2019	Asian Journal of Pharmaceutical Sciences	14	1	104	115
100	Ahirrao, D.J., Jha, N.	Comparative study on the electrosorption properties of carbon fabric, functionalized multiwall carbon nanotubes and solar reduced graphene oxide for flow through electrode based desalination studies	2019	Carbon	152		837	850
101	Malkar, R.S., Daly, H., Hardacre, C., Yadav, G.D.	Aldol Condensation of 5-Hydroxymethylfurfural to Fuel Precursor over Novel Aluminum Exchanged-DTP@ZIF-8	2019	ACS Sustainable Chemistry and Engineering	7	19	16215	16224
102	Pai, R.V., Monpara, J.D., Vavia, P.R.	Exploring molecular dynamics simulation to predict binding with ocular mucin: An in silico approach for screening mucoadhesive materials for ocular retentive delivery systems	2019	Journal of Controlled Release	309		190	202
103	Qureshi, S.I., Chaudhari, H.K.	Design, synthesis, in-silico studies and biological screening of quinazolinone analogues as potential antibacterial agents against MRSA	2019	Bioorganic and Medicinal Chemistry	27	12	2676	2688
104	Chaudhari, K.S., Akamanchi, K.G.	Novel bicephalous heterolipid based self-microemulsifying drug delivery system for solubility and bioavailability enhancement of efavirenz	2019	International Journal of Pharmaceutics	560		205	218
105	Dudhane, A.A., Waghmode, S.R., Dama, L.B., Mhaindarkar, V.P., Sonawane, A., Katariya, S.	Synthesis and characterization of gold nanoparticles using plant extract of Terminalia arjuna with antibacterial activity	2019	International Journal of Nanoscience and Nanotechnology	15	2	75	82
106	Dyawanapelly, S., Mehrotra, P., Ghosh, G., Jagtap, D.D., Dandekar, P., Jain, R.	How the surface functionalized nanoparticles affect conformation and activity of proteins: Exploring through protein-nanoparticle interactions	2019	Bioorganic Chemistry	82		17	25
107	Lorenzo, J.M., Estévez, M., Barba, F.J., Thirumdas, R., Franco, D., Munekata, P.E.S.	Polyphenols: Bioaccessibility and bioavailability of bioactive components	2019	Innovative Thermal and Non-Thermal Processing,			309	332

				Bioaccessibility and Bioavailability of Nutrients and Bioactive Compounds				
108	Mali, S.N., Sawant, S., Chaudhari, H.K., Mandewale, M.C.	In Silico Appraisal, Synthesis, Antibacterial Screening and DNA Cleavage for 1,2,5-thiadiazole Derivative	2019	Current Computer-Aided Drug Design	15	5	445	455
109	Gupta, G.R., Shah, J., Vadagaonkar, K.S., Lavekar, A.G., Kapdi, A.R.	Hetero-bimetallic cooperative catalysis for the synthesis of heteroarenes	2019	Organic and Biomolecular Chemistry	17	33	7596	7631
110	Vadagaonkar, K.S., Yang, C.-J., Zeng, W.-H., Chen, J.-H., Patil, B.N., Chetti, P., Chen, L.-Y., Chaskar, A.C.	Triazolopyridine hybrids as bipolar host materials for green phosphorescent organic light-emitting diodes (OLEDs)	2019	Dyes and Pigments	160		301	314
111	Bhujabal, Y.B., Vadagaonkar, K.S., Gholap, A., Sanghvi, Y.S., Dandela, R., Kapdi, A.R.	HFIP Promoted Low-Temperature SNAr of Chloroheteroarenes Using Thiols and Amines	2019	Journal of Organic Chemistry	84	23	15343	15354
112	Phalak, G., Patil, D., Patil, A., Mhaske, S.	Synthesis of acrylated cardanol diphenyl phosphate for UV curable flame-retardant coating application	2019	European Polymer Journal	121			
113	Kadam, D., Palamthodi, S., Lele, S.S.	Complexation of curcumin with Lepidium sativum protein hydrolysate as a novel curcumin delivery system	2019	Food Chemistry	298			
114	More, P.R., Arya, S.S.	A novel, green cloud point extraction and separation of phenols and flavonoids from pomegranate peel: An optimization study using RCCD	2019	Journal of Environmental Chemical Engineering	7	5		
115	Kandy, M.M., Gaikar, V.G.	Enhanced photocatalytic reduction of CO2 using CdS/Mn2O3 nanocomposite photocatalysts on porous anodic alumina support with solar concentrators	2019	Renewable Energy	139		915	923
116	Sawant, S.V., Banerjee, S., Patwardhan, A.W., Joshi, J.B., Dasgupta, K.	Effect of in-situ boron doping on hydrogen adsorption properties of carbon nanotubes	2019	International Journal of Hydrogen Energy	44	33	18193	18204
117	Jose, S., Shanmugam, N., Das, S., Kumar, A., Pandit, P.	Coating of lightweight wool fabric with nano clay for fire retardancy	2019	Journal of the Textile Institute	110	5	764	770
118	Kulal, D.K., Khose, R.V., Pethsangave, D.A., Wadekar, P.H., Some, S.	Biomass-Derived Lignocellulosic Graphene Composite: Novel Approach for Removal of Oil and Organic Solvent	2019	ChemistrySelect	4	15	4568	4574
119	Patel, K.P., Gayakwad, E.M., Patil, V.V., Shankarling, G.S.	Graphene Oxide: A Metal-Free Carbocatalyst for the Synthesis of Diverse Amides under Solvent-Free Conditions	2019	Advanced Synthesis and Catalysis	361	9	2107	2116
120	Bajaj, S.R., Singhal, R.S.	Effect of extrusion processing and hydrocolloids on the stability of added vitamin B12 and physico-functional properties of the fortified puffed extrudates	2019	LWT	101		32	39
121	Phatake, V.V., Bhanage, B.M.	Cu@U-g-C3N4 Catalyzed Cyclization of o-Phenylenediamines for the Synthesis of Benzimidazoles by Using CO2 and Dimethylamine Borane as a Hydrogen Source	2019	Catalysis Letters	149	1	347	359

122	Ali, S., Deshmukh, S.P.	An overview: Applications of thermal energy storage using phase change materials	2019	Materials Today: Proceedings	26		1231	1237
123	Naik, R., Aparimita, A., Sripan, C., Ganesan, R.	Structural, linear and non-linear optical properties of annealed and irradiated Ag/Se heterostructure films for optoelectronic applications	2019	Optik	194			
124	Dhoble, S., Patravale, V.	Development of anti-angiogenic erlotinib liposomal formulation for pulmonary hypertension: a QbD approach	2019	Drug Delivery and Translational Research	9	5	980	996
125	Anantram, A., Kundaikar, H., Degani, M., Prabhu, A.	Molecular dynamic simulations on an inhibitor of anti-apoptotic Bcl-2 proteins for insights into its interaction mechanism for anti-cancer activity	2019	Journal of Biomolecular Structure and Dynamics	37	12	3109	3121
126	Patil, S.K., Das, D.	A nanomolar detection of mercury(II) ion by a chemodosimetric rhodamine-based sensor in an aqueous medium: Potential applications in real water samples and as paper strips	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	210		44	51
127	Takalkar, G.D., Bhosale, R.R., Mali, N.A., Bhagwat, S.S.	Thermodynamic analysis of EMISE–Water as a working pair for absorption refrigeration system	2019	Applied Thermal Engineering	148		787	795
128	Badgujar, V.C., Badgujar, K.C., Yeole, P.M., Bhanage, B.M.	Enhanced biocatalytic activity of immobilized steapsin lipase in supercritical carbon dioxide for production of biodiesel using waste cooking oil	2019	Bioprocess and Biosystems Engineering	42	1	47	61
129	Kandasamy, G., Soni, S., Sushmita, K., Veerapu, N.S., Bose, S., Maity, D.	One-step synthesis of hydrophilic functionalized and cytocompatible superparamagnetic iron oxide nanoparticles (SPIONs) based aqueous ferrofluids for biomedical applications	2019	Journal of Molecular Liquids	274		653	663
130	Sasidharan, S., Raj, S., Sonawane, S., Sonawane, S., Pinjari, D., Pandit, A.B., Saudagar, P.	Nanomaterial synthesis: Chemical and biological route and applications	2019	Nanomaterials Synthesis: Design, Fabrication and Applications			27	51
131	Ganesan, M., Trivedi, N., Gupta, V., Madhav, S.V., Radhakrishna Reddy, C., Levine, I.A.	Seaweed resources in India - Current status of diversity and cultivation: Prospects and challenges	2019	Botanica Marina				
132	Carvalho, R.B., Joshi, S.V.	Solvent and catalyst free synthesis of 3,4-dihydropyrimidin-2(1: H)-ones/thiones by twin screw extrusion	2019	Green Chemistry	21	8	1921	1924
133	Mudliyar, D.S., Wallenius, J.H., Bedade, D.K., Singhal, R.S., Madi, N., Shamekh, S.S.	Ultrasound assisted extraction of the polysaccharide from Tuber aestivum and its in vitro anti-hyperglycemic activity	2019	Bioactive Carbohydrates and Dietary Fibre	20			
134	Shevalkar, G., Vavia, P.	Solidified nanostructured lipid carrier (S-NLC) for enhancing the oral bioavailability of ezetimibe	2019	Journal of Drug Delivery Science and Technology	53			
135	Yashwantrao, G., Jejurkar, V.P., Kshatriya, R., Saha, S.	Solvent-free, mechanochemically scalable synthesis of 2,3-dihydroquinazolin-4(1H)-one using Brønsted acid catalyst	2019	ACS Sustainable Chemistry and Engineering	7	15	13551	13558

136	Joshi, J.H., Joshi, G.M., Joshi, M.J., Parikh, K.D.	Complex impedance, FT-Raman, and photoluminescence spectroscopic studies of pure and L-phenylalanine doped ammonium dihydrogen phosphate single crystals: the correlation with hydrogen bonding defect	2019	Ionics	25	7	3223	3245
137	Mehta, L.B., Wadgaonkar, K.K., Jagtap, R.N.	Synthesis and characterization of high bio-based content unsaturated polyester resin for wood coating from itaconic acid: Effect of various reactive diluents as an alternative to styrene	2019	Journal of Dispersion Science and Technology	40	5	756	765
138	Prajapat, A.L., Gogate, P.R.	Depolymerization of carboxymethyl cellulose using hydrodynamic cavitation combined with ultraviolet irradiation and potassium persulfate	2019	Ultrasonics Sonochemistry	51		258	263
139	Avhad, K., Jadhav, M., Patil, D., Chowdhury, T.H., Islam, A., Bedja, I., Sekar, N.	Rhodanine-3-acetic acid containing D-π-A push-pull chromophores: Effect of methoxy group on the performance of dye-sensitized solar cells	2019	Organic Electronics	65		386	393
140	Gawale, Y., Mangalath, S., Adarsh, N., Joseph, J., Ramaiah, D., Sekar, N.	Novel Aza-BODIPY based turn on selective and sensitive probe for on-site visual detection of bivalent copper ions	2019	Dyes and Pigments	171			
141	Jejurkar, V.P., Mali, S.N., Kshatriya, R., Chaudhari, H.K., Saha, S.	Synthesis, Antimicrobial Screening and In Silico Appraisal of Iminocarbazole Derivatives	2019	ChemistrySelect	4	32	9470	9475
142	Bandaru, S.S.M., Bhilare, S., Cardozo, J., Chrysochos, N., Schulzke, C., Sanghvi, Y.S., Gunturu, K.C., Kapdi, A.R.	Pd/PTABS: Low-Temperature Thioetherification of Chloro(hetero)arenes	2019	Journal of Organic Chemistry	84	14	8921	8940
143	Bedar, A., Lenka, R.K., Goswami, N., Kumar, V., Debnath, A.K., Sen, D., Kumar, S., Ghodke, S., Tewari, P.K., Bindal, R.C., Kar, S.	Polysulfone-Ceria Mixed-Matrix Membrane with Enhanced Radiation Resistance Behavior	2019	ACS Applied Polymer Materials	1	7	1854	1865
144	Kantam, M.L., Gadipelly, C., Deshmukh, G., Reddy, K.R., Bhargava, S.	Copper Catalyzed C–H Activation	2019	Chemical Record	19	7	1302	1318
145	Deshmukh, D.S., Gangwar, N., Bhanage, B.M.	Rapid and Atom Economic Synthesis of Isoquinolines and Isoquinolinones by C–H/N–N Activation Using a Homogeneous Recyclable Ruthenium Catalyst in PEG Media	2019	European Journal of Organic Chemistry	2019	18	2919	2927
146	Mestry, S., Mhaske, S.T.	Synthesis of epoxy resins using phosphorus-based precursors for flame-retardant coating	2019	Journal of Coatings Technology and Research	16	3	807	818
147	Mestry, S., Kakatkar, R., Mhaske, S.T.	Cardanol derived P and Si based precursors to develop flame retardant PU coating	2019	Progress in Organic Coatings	129		59	68
148	Jadhav, M., Vaghasiya, J.V., Patil, D., Soni, S.S., Sekar, N.	Effect of donor modification on the photo-physical and photo-voltaic properties of N -alkyl/aryl amine based chromophores	2019	New Journal of Chemistry	43	23	8970	8981
149	Mohanapriya, K., Jha, N.	Hierarchically hybrid nanostructure of carbon nanoparticles decorated graphene sheets as an efficient electrode material for supercapacitors, aqueous Al-ion battery and capacitive deionization	2019	Electrochimica Acta	324			

150	Ramugade, S.H., Warde, U.S., Sekar, N.	Azo dyes with ESIPT core for textile applications and DFT study	2019	Dyes and Pigments	170			
151	Behera, M., Mishra, N.C., Naik, R., Sripan, C., Ganesan, R.	Thermal annealing induced structural, optical and electrical properties change in As40Se60-xBix chalcogenide thin films	2019	AIP Advances	9	9		
152	Patil, V.L., Vanalakar, S.A., Shendage, S.S., Patil, S.P., Kamble, A.S., Tarwal, N.L., Sharma, K.K., Kim, J.H., Patil, P.S.	Fabrication of nanogranular TiO2 thin films by SILAR technique: Application for NO2 gas sensor	2019	Inorganic and Nano-Metal Chemistry	49	7	191	197
153	Prabhuzantye, T., Khaire, R.A., Gogate, P.R.	Enhancing the recovery of whey proteins based on application of ultrasound in ultrafiltration and spray drying	2019	Ultrasonics Sonochemistry	55		125	134
154	Jessy, P.J., Bambole, V., Deshmukh, R.R., Patel, N.	Reduced power consumption in nickel zinc ferrite nanoparticles doped blue phase chiral nematic liquid crystal devices	2019	Journal of Molecular Liquids	281		480	489
155	Srivastav, A., Chandanshive, B., Dandekar, P., Khushalani, D., Jain, R.	Biomimetic Hydroxyapatite a Potential Universal Nanocarrier for Cellular Internalization & Drug Delivery	2019	Pharmaceutical Research	36	4		
156	Rajeshirke, M., Sekar, N.	Multi-stimuli responsive emissive NLOphoric colorants – A recent trend in research	2019	Dyes and Pigments	163		675	683
157	Malkar, R.S., Yadav, G.D.	Selectivity Engineering in One Pot Synthesis of Raspberry Ketone: Crossed Aldol Condensation of p-Hydroxybenzaldehyde and Acetone and Hydrogenation over Novel Ni/Zn-La Mixed Oxide	2019	ChemistrySelect	4	7	2140	2152
158	Monpara, J., Velga, D., Verma, T., Gupta, S., Vavia, P.	Cationic cholesterol derivative efficiently delivers the genes: in silico and in vitro studies	2019	Drug Delivery and Translational Research	9	1	106	122
159	Pandey, M., Manoj, B., Joshi, G.M., Ghosh, N.N., Vendan, A.S.	Superior charge discharge ability of reduced graphene oxide/Li-ion embedded polymer composite films	2019	Journal of Materials Science: Materials in Electronics	30	3	2136	2145
160	Khopkar, S., Jachak, M., Shankarling, G.	Novel semisquaraines based on 2, 3, 3, 8-tetramethyl-3H-pyrrolo [2, 3- f] quinoline: Synthesis, photophysical properties, AIE, viscosity sensitivity and DFT study	2019	Dyes and Pigments	161		1	15
161	Gumulya, M., Joshi, J.B., Utikar, R.P., Evans, G.M., Pareek, V.	Characteristics of energy production and dissipation around a bubble rising in water	2019	Chemical Engineering Science	193		38	52
162	Joshi, J.B., Nandakumar, K., Patwardhan, A.W., Nayak, A.K., Pareek, V., Gumulya, M., Wu, C., Minocha, N., Pal, E., Kumar, M., Bhusare, V., Tiwari, S., Lote, D., Mali, C., Kulkarni, A., Tamhankar, S.	Computational fluid dynamics	2019	Advances of Computational Fluid Dynamics in Nuclear Reactor Design and Safety Assessment			21	238

163	Parvate, S., Mahanwar, P.	Insights into the preparation of water-based acrylic interior decorative paint: tuning binder's properties by self-crosslinking of allyl acetoacetate - hexamethylenediamine	2019	Progress in Organic Coatings	126		142	149
164	Joshi, S.M., Gogate, P.R.	Intensifying the biogas production from food waste using ultrasound: Understanding into effect of operating parameters	2019	Ultrasonics Sonochemistry	59			
165	Yadav, M.D., Patwardhan, A.W., Joshi, J.B., Dasgupta, K.	Kinetic study of multi-walled carbon nanotube synthesis by thermocatalytic decomposition of methane using floating catalyst chemical vapour deposition	2019	Chemical Engineering Journal	377			
166	Bhogle, C.S., Pandit, A.B.	Ultrasound assisted methanolysis of polycarbonate at room temperature	2019	Ultrasonics Sonochemistry	58			
167	Pawar, P.P., Odaneth, A.A., Vadgama, R.N., Lali, A.M.	Simultaneous lipid biosynthesis and recovery for oleaginous yeast Yarrowia lipolytica	2019	Biotechnology for Biofuels	12	1		
168	Mahadik, P.S., Shirsat, A.N., Saha, B., Sitapure, N., Tyagi, D., Varma, S., Wani, B.N., Bharadwaj, S.R.	Chemical compatibility study of BSCF cathode materials with proton-conducting BCY/BCZY/BZY electrolytes	2019	Journal of Thermal Analysis and Calorimetry	137	6	1857	1866
169	Bale, S., Tiwari, S.S., Nandakumar, K., Joshi, J.B.	Effect of Schmidt number and D/d ratio on mass transfer through gas-solid and liquid-solid packed beds: Direct numerical simulations	2019	Powder Technology	354		529	539
170	Wilson, H.M., Rahman AR, S., Garg, T., Jha, N.	Recycling of hazardous diesel soot particles into a high performance solar evaporation device	2019	Applied Surface Science	487		951	961
171	Mirani, A., Kundaikar, H., Velhal, S., Patel, V., Bandivdekar, A., Degani, M., Patravale, V.	Tetrahydrocurcumin-loaded vaginal nanomicrobicide for prophylaxis of HIV/AIDS: in silico study, formulation development, and in vitro evaluation	2019	Drug Delivery and Translational Research	9	4	828	847
172	Lal, S.S., Mhaske, S.T.	TEMPO-oxidized cellulose nanofiber/kafirin protein thin film crosslinked by Maillard reaction	2019	Cellulose	26	10	6099	6118
173	Khopkar, S., Jachak, M., Shankarling, G.	Viscosity sensitive semisquaraines based on 1, 1, 2-trimethyl-1H-benzo[e]indole: Photophysical properties, intramolecular charge transfer, solvatochromism, electrochemical and DFT study	2019	Journal of Molecular Liquids	285		123	135
174	Kapadnis, G., Dey, A., Dandekar, P., Jain, R.	Effect of degree of deacetylation on solubility of low-molecular-weight chitosan produced via enzymatic breakdown of chitosan	2019	Polymer International	68	6	1054	1063
175	Jadhav, M.M., Chowdhury, T.H., Bedja, I., Patil, D., Islam, A., Sekar, N.	Near IR emitting novel rhodanine-3-acetic acid based two donor-π-acceptor sensitizers for DSSC: Synthesis and application	2019	Dyes and Pigments	165		391	399
176	Sawarkar, A.N.	Upgrading of Mumbai High vacuum residue	2019	Petroleum Science and Technology	37	9	1090	1098
177	Kulkarni, M.B., Radhakrishnan, S., Samarth, N., Mahanwar, P.A.	Structure, mechanical and thermal properties of polypropylene based hybrid composites with banana fiber and fly ash	2019	Materials Research Express	6	7		
178	Tiwari, S.S., Bale, S., Patwardhan, A.W., Nandakumar, K., Joshi, J.B.	Insights into the physics of dominating frequency modes for flow past a stationary sphere: Direct numerical simulations	2019	Physics of Fluids	31	4		

179	Agarwal, A., Patil, S., Gharat, K., Pandit, R.A., Lali, A.M.	Modulation in light utilization by a microalga Asteracys sp. under mixotrophic growth regimes	2019	Photosynthesis Research	139	03-Jan	553	567
180	Bhaskar, B., Ananthanarayan, L., Jamdar, S.N.	Effect of enzymatic hydrolysis on the functional, antioxidant, and angiotensin I-converting enzyme (ACE) inhibitory properties of whole horse gram flour	2019	Food Science and Biotechnology	28	1	43	52
181	Jain, S.N., Gogate, P.R.	Adsorptive removal of azo dye in a continuous column operation using biosorbent based on NaOH and surfactant activation of prunus dulcis leaves	2019	Desalination and Water Treatment	141		331	341
182	Shiva Kumar, K., Naikawadi, P.K., Jatoth, R., Dandela, R.	Bimetallic Cu/Pd-catalyzed three-component azide-alkyne cycloaddition/isocyanide insertion: Synthesis of fully decorated tricyclic triazoles	2019	Organic and Biomolecular Chemistry	17	31	7320	7324
183	Shiva Kumar, K., Naikawadi, P.K., Rajesham, B., Rambabu, D.	Four-component, three-step cascade reaction: an effective synthesis of indazole-fused triazolo[5,1-c]quinoxalines	2019	New Journal of Chemistry	43	11	4333	4337
184	Kahar, N.M., Nabar, K.U., Jadhav, P.P., Dawande, S.G.	Rhodium(II)-Catalyzed Highly Stereoselective C3 Functionalization of Indolizines with N-Sulfonyl-1,2,3-triazoles	2019	Asian Journal of Organic Chemistry	8	1	79	82
185	Kandasamy, G., Sudame, A., Maity, D., Soni, S., Sushmita, K., Veerapu, N.S., Bose, S., Tomy, C.V.	Multifunctional magnetic-polymeric nanoparticles based ferrofluids for multi-modal in vitro cancer treatment using thermotherapy and chemotherapy	2019	Journal of Molecular Liquids	293			
186	Samui, A.B., Kanai, T.	Polyhydroxyalkanoates based copolymers	2019	International Journal of Biological Macromolecules	140		522	537
187	Bhuptani, R.S., Patravale, V.B.	Starch microsponges for enhanced retention and efficacy of topical sunscreen	2019	Materials Science and Engineering C	104			
188	Yadav, A.K., Vaidya, P.D.	A study on the efficacy of noble metal catalysts for butanol steam reforming	2019	International Journal of Hydrogen Energy	44	47	25575	25588
189	Amane, D., Ananthanarayan, L.	Detection of adulteration in black gram-based food products using DNA barcoding	2019	Food Control	104		193	200
190	Dastane, G.G., Thakkar, H., Shah, R., Perala, S., Raut, J., Pandit, A.B.	Single and multiphase CFD simulations for designing cavitating venturi	2019	Chemical Engineering Research and Design	149		1	12
191	Suthar, P., Gajaria, T.K., Reddy, C.R.K.	Production of quality seaweed biomass through nutrient optimization for the sustainable land-based cultivation	2019	Algal Research	42			
192	Mukherjee, A., Bhowmick, A.R., Mukherjee, J., Moniruzzaman, M.	Physiological response of fish under variable acidic conditions: a molecular approach through the assessment of an eco-physiological marker in the brain	2019	Environmental Science and Pollution Research	26	23	23442	23452
193	Sabnis, S.S., Gogate, P.R.	Ultrasound assisted size reduction of DADPS based on recrystallization	2019	Ultrasonics Sonochemistry	54		198	209
194	Phapale, D., Kushwaha, A., Das, D.	A simple benzimidazole styryl-based colorimetric chemosensor for dual sensing application	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	214		111	118

195	Lokhande, P.K.M., Sonigara, K.K., Jadhav, M.M., Patil, D.S., Soni, S.S., Sekar, N.	Multi-Dentate Carbazole Based Schiff Base Dyes with Chlorovinylene Group in Spacer for Dye-Sensitized Solar Cells: A Combined Theoretical and Experimental Study.	2019	ChemistrySelect	4	14	4044	4056
196	Kale, R.D., Kane, P.B.	Colour removal of phthalocyanine based reactive dye by nanoparticles	2019	Groundwater for Sustainable Development	8		309	318
197	Sawant, S.S., Gosavi, S.N., Khadamkar, H.P., Mathpati, C.S., Pandit, R., Lali, A.M.	Energy efficient design of high depth raceway pond using computational fluid dynamics	2019	Renewable Energy	133		528	537
198	Ghumatkar, P.J., Patil, S.P., Peshattiwar, V., Vijaykumar, T., Dighe, V., Vanage, G., Sathaye, S.	The modulatory role of phloretin in Aβ 25–35 induced sporadic Alzheimer's disease in rat model	2019	Naunyn-Schmiedeberg's Archives of Pharmacology	392	3	327	339
199	Nadar, S.S., Rathod, V.K.	Amino acid induced hyper activation of laccase and its application in dye degradation	2019	Biocatalysis and Agricultural Biotechnology	18			
200	Bhairat, S.P., Dhaigude, D.-B.	Existence of solutions of generalized fractional differential equation with nonlocal initial condition	2019	Mathematica Bohemica	144	2	203	220
201	Mishra, A.A., Bhanage, B.M.	Zirconium-MOF-catalysed selective synthesis of α-hydroxyamide via the transfer hydrogenation of α-ketoamide	2019	New Journal of Chemistry	43	16	6160	6167
202	Bhairat, S.P.	Existence and continuation of solutions of hilfer fractional differential equations	2019	Journal of Mathematical Modeling	7	1	1	20
203	Chaurasia, S.R., Tiwari, A.R., Bhanage, B.M.	Synthesis of quinolines via acceptorless dehydrogenative tandem cyclization of 2-amionbenzyl alcohol with alcohols using magnetic CuNiFeO nanocatalyst	2019	Molecular Catalysis	478			
204	Patil, R.S., Joshi, S.M., Gogate, P.R.	Intensification of delignification of sawdust and subsequent enzymatic hydrolysis using ultrasound	2019	Ultrasonics Sonochemistry	58			
205	Nagavekar, N., Kumar, A., Dubey, K., Singhal, R.S.	Supercritical carbon dioxide extraction of kokum fat from Garcinia indica kernels and its application as a gelator in oleogels with oils	2019	Industrial Crops and Products	138			
206	Bhat, T.S., Kalekar, A.S., Dalavi, D.S., Revadekar, C.C., Khot, A.C., Dongale, T.D., Patil, P.S.	Hydrothermal synthesis of nanoporous lead selenide thin films: photoelectrochemical and resistive switching memory applications	2019	Journal of Materials Science: Materials in Electronics	30	19	17725	17734
207	Sheikh, Z., Pawar, S., Rathod, V.K.	Enhancement of rhamnolipid production through ultrasound application and response surface methodology	2019	Process Biochemistry	85		29	34
208	Gupta, A.R., Rathod, V.K.	Solar radiation as a renewable energy source for the biodiesel production by esterification of palm fatty acid distillate	2019	Energy	182		795	801
209	Ashokrao Fuke, C., Anna Mahanwar, P., Ray Chowdhury, S.	Modified ethylene-propylene-diene elastomer (EPDM)-contained silicone rubber/ethylene-propylene-diene elastomer (EPDM) blends: Effect of composition and electron beam crosslinking on mechanical, heat shrinkability, electrical, and morphological properties	2019	Journal of Applied Polymer Science	136	29		
210	Autade, S.B., Akamanchi, K.G.	Sulfated tungstate a heterogeneous acid catalyst for synthesis of 4-aryl-NH-1,2,3-triazoles by 1,3-dipolar cycloaddition of nitroolefins with NaN3	2019	Synthetic Communications	49	15	1947	1956

211	Nal, P., Mestry, S., Mapari, S., Mhaske, S.	Eugenol/vanillin-derived novel triarylmethane-based crosslinking agent for epoxy coating	2019	Iranian Polymer Journal (English Edition)	28	8	685	695
212	Ghoderao, P.N.P., Dalvi, V.H., Narayan, M.	A five-parameter cubic equation of state for pure fluids and mixtures	2019	Chemical Engineering Science: X	3			
213	Ghosh, R., Nandi, A., Kushwaha, A., Das, D.	Ultrafast Conformational Relaxation Dynamics in Anthryl-9-benzothiazole: Dynamic Planarization Driven Delocalization and Protonation-Induced Twisting Dynamics	2019	Journal of Physical Chemistry B	123	25	5307	5315
214	Badnore, A.U., Chaudhari, A.P., Patel, J.K., Pandit, A.B.	Effect of solvents on properties of the ultrasound assisted synthesized ceria nanoparticles and its performance as an adsorbent	2019	Advanced Powder Technology	30	5	1058	1066
215	Salvi, H.M., Yadav, G.D.	Surface functionalization of SBA-15 for immobilization of lipase and its application in synthesis of alkyl levulinates: Optimization and kinetics	2019	Biocatalysis and Agricultural Biotechnology	18			
216	Mhatre, A., Patil, S., Agarwal, A., Pandit, R., Lali, A.M.	Influence of nitrogen source on photochemistry and antenna size of the photosystems in marine green macroalgae, Ulva lactuca	2019	Photosynthesis Research	139	03-Jan	539	551
217	Kadam, M.M.L., Patil, D.S., Sekar, N.	Red emitting coumarin based 4, 6-disubstituted-3-cyano-2-pyridones dyes – Synthesis, solvatochromism, linear and non-linear optical properties	2019	Journal of Molecular Liquids	276		385	398
218	Mallah, R.R., Mohbiya, D.R., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	Non-linear optical response of meso hybrid BODIPY: Synthesis, photophysical, DFT and Z scan study	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	209		126	140
219	Bhagwat, A.A., Sekar, N.	Fluorescent 7-Substituted Coumarin Dyes: Solvatochromism and NLO Studies	2019	Journal of Fluorescence	29	1	121	135
220	Bhilare, S., Shah, J., Gaikwad, V., Gupta, G., Sanghvi, Y.S., Bhanage, B.M., Kapdi, A.R.	Pd/PTABS: An Efficient Catalytic System for the Aminocarbonylation of a Sugar-Protected Nucleoside	2019	Synthesis (Germany)	51	22	4239	4248
221	Kausley, S.B., Dastane, G.G., Kumar, J.K., Desai, K.S., Doltade, S.B., Pandit, A.B.	Clean water for developing countries: Feasibility of different treatment solutions	2019	Encyclopedia of Environmental Health			643	652
222	Khambete, M., Kundaikar, H., Raju, A., Lonkar, S., Degani, M., Ray, M.K.	Design and synthesis of 5-(5-nitrothiophen-2-yl)-3-phenyl-4,5-dihydro-1H-pyrazole derivatives with improved solubility and potential antituberculosis activity	2019	Chemical Biology and Drug Design	93	1	84	88
223	More, R.K., Lavande, N.R., More, P.M.	Copper supported on Co substituted hydroxyapatite for complete oxidation of diesel engine exhaust and VOC	2019	Molecular Catalysis	474			
224	Gadgeel, A.A., Mhaske, S.T., Duerr, C., Liu, K.L.	In-Situ Preparation and Characterization of Aconitic Acid Capped Fe3O4 Nanoparticle by Using Citric Acid as a Reducing Agent	2019	Journal of Inorganic and Organometallic Polymers and Materials	29	5	1688	1700
225	Shejale, A.D., Yadav, G.D.	Noble metal promoted Ni–Cu/La2O3–MgO catalyst for renewable and enhanced hydrogen production via steam reforming of bio-based n-butanol: effect of promotion with Pt, Ru and Pd on catalytic activity and selectivity	2019	Clean Technologies and Environmental Policy	21	6	1323	1339

226	Girase, T.R., Kapdi, A.R.	Novel Carbazole-Based N-Heterocyclic Carbene Ligands to Access Synthetically Relevant Stilbenes in Pd-Catalyzed Coupling Processes	2019	Chemistry - An Asian Journal	14	15	2611	2619
227	Tiwari, I., Mahanwar, P.A.	Polyacrylate/silica hybrid materials: A step towards multifunctional properties	2019	Journal of Dispersion Science and Technology	40	7	925	957
228	Bhavsar, K.V., Yadav, G.D.	Synthesis of geranyl acetate by transesterification of geraniol with ethyl acetate over Candida antarctica lipase as catalyst in solvent-free system	2019	Flavour and Fragrance Journal	34	4	288	293
229	Agarkar, H., Das, D.	The photo-switching study of guest 2-(phenylazo)pyridine (PAP) embedded in solid host material MOF-5	2019	Journal of Molecular Structure	1184		435	442
230	Disale, S.T., Brahmmananda Rao, C.V.S., Gopakumar, G., Jayaram, R.V.	Experimental and theoretical studies on actinide extraction: dibutyl phenyl phosphonate versus tri-n-butyl phosphate	2019	Journal of Coordination Chemistry	72	9	1480	1496
231	Bhagwat, A.A., Avhad, K.C., Patil, D.S., Sekar, N.	Design and Synthesis of Coumarin–Imidazole Hybrid Chromophores: Solvatochromism, Acidochromism and Nonlinear Optical Properties	2019	Photochemistry and Photobiology	95	3	740	754
232	Mestry, S.U., Patil, D.M., Mhaske, S.T.	Effect of 2-aminobenzothiazole on antimicrobial activity of waterborne polyurethane dispersions (WPUDs)	2019	Polymer Bulletin	76	4	1899	1914
233	Katole, D.O., Yadav, G.D.	Process intensification and waste minimization using liquid-liquid-liquid tri-phase transfer catalysis for the synthesis of 2-((benzyloxy)methyl)furan	2019	Molecular Catalysis	466		112	121
234	Raikwar, M.M., Patil, D.S., Mathew, E., Varghese, M., Joe, I.H., Sekar, N.	Influence of thiophene spacer and auxiliary acceptor on the optical properties of 4-(Diethylamino)-2-hydroxybenzaldehyde based D-π-A-π-D Colorants with N-alkyl donors: Experimental, DFT and Z-scan study	2019	Journal of Photochemistry and Photobiology A: Chemistry	373		45	58
235	Kale, R.D., Gorade, V.G.	Potential application of medical cotton waste for self-reinforced composite	2019	International Journal of Biological Macromolecules	124		25	33
236	Sen, N., Singh, K.K., Patwardhan, A.W., Mukhopadhyay, S., Shenoy, K.T.	CFD-PBM simulations of a pulsed sieve plate column	2019	Progress in Nuclear Energy	111		125	137
237	Bapat, D.U., Dalvi, V.H.	Molecular insights into water clusters formed in tributylphosphate-di-(2-ethylhexyl)phosphoric acid extractant systems from experiments and molecular dynamics simulations	2019	Journal of Physical Chemistry B	123	7	1618	1635
238	Atale, S.S., Dyawanapelly, S., Jagtap, D.D., Jain, R., Dandekar, P.	Understanding the nano-bio interactions using real-time surface plasmon resonance tool	2019	International Journal of Biological Macromolecules	123		97	107
239	Jacob, J., Shanmugavelu, P., Balasubramaniam, R.	Investigation of the performance of 248 nm excimer laser assisted photoresist removal process in gaseous media by response surface methodology and artificial neural network	2019	Journal of Manufacturing Processes	38		516	529
240	Bhujabal, Y.B., Vadagaonkar, K.S., Kapdi, A.R.	Pd/PTABS: Catalyst for Efficient C−H (Hetero)Arylation of 1,3,4-Oxadiazoles Using Bromo(Hetero)Arenes	2019	Asian Journal of Organic Chemistry	8	2	289	295
241	Ghodki, B.M., Singh, S.S., Chakraborty, S., Jana, S.,	Influence of cryogenic treatment on micro-structural characteristics of some Indian spices: X-ray micro-tomography investigation	2019	Journal of Food Engineering	243		39	48

	Ghodki, D.M., Goswami, T.K.							
242	Sorde, K.L., Ananthanarayan, L.	Isolation, screening, and optimization of bacterial strains for novel transglutaminase production	2019	Preparative Biochemistry and Biotechnology	49	1	64	73
243	Jahagirdar, P., Lokhande, A.S., Dandekar, P., Devarajan, P.V.	Mannose Receptor and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		433	456
244	Vijayan, U.K., Varakumar, S., Singhal, R.S.	A comparative account of extraction of oleoresin from Curcuma aromatica Salisb by solvent and supercritical carbon dioxide: Characterization and bioactivities	2019	LWT	116			
245	Bhalekar, S.B., Kothavale, S., Sekar, N.	Coumarin and Hydroxyl Decorated Viscosity Sensitive Triphenylamine Derivatives: Synthesis, Photophysical Properties, Viscosity Sensitivity, TD-DFT, and NLO Properties	2019	ChemistrySelect	4	43	12512	12523
246	More, N.S., Gogate, P.R.	Intensified desulfurization of simulated crude diesel containing thiophene using ultrasound and ultraviolet irradiation	2019	Ultrasonics Sonochemistry	58			
247	More, S.B., Gogate, P.R., Waghmare, J.S., Naik, S.N.	Intensified synthesis of structured triacylglycerols from fish, flaxseed and rice bran oil using supercritical CO2 or ultrasound	2019	Chemical Engineering and Processing - Process Intensification	144			
248	Patil, D.R., Jadhav, S.D., Mungale, A., Kalekar, A.S., Dubal, D.P.	Fractal granular BiVO4 microspheres as high performance anode material for Li-ion battery	2019	Materials Letters	252		235	238
249	Gorade, V.G., Kotwal, A., Chaudhary, B.U., Kale, R.D.	Surface modification of microcrystalline cellulose using rice bran oil: a bio-based approach to achieve water repellency	2019	Journal of Polymer Research	26	9		
250	Rathi, N., Paradkar, A., Gaikar, V.G.	Polymorphs of Curcumin and Its Cocrystals With Cinnamic Acid	2019	Journal of Pharmaceutical Sciences	108	8	2505	2516
251	Gaikwad, V.V., Mane, P.A., Dey, S., Bhanage, B.M.	Dppf-Ligated Palladium Complex as an Efficient Catalyst for the Synthesis of Biaryl Ketones Using Co2(CO)8 as a C1 Source with High TON and TOF	2019	ChemistrySelect	4	28	8269	8276
252	Muley, A.B., Chaudhari, S.A., Bankar, S.B., Singhal, R.S.	Stabilization of cutinase by covalent attachment on magnetic nanoparticles and improvement of its catalytic activity by ultrasonication	2019	Ultrasonics Sonochemistry	55		174	185
253	Sharma, A., Jakhete, A., Sharma, A., Joshi, J.B., Pareek, V.	Lowering greenhouse gas (GHG) emissions: techno-economic analysis of biomass conversion to biofuels and value-added chemicals	2019	Greenhouse Gases: Science and Technology	9	3	454	473
254	Raut, A.B., Nanda, B., Parida, K.M., Bhanage, B.M.	Hydrogenolysis of Biomass-Derived 5-Hydroxymethylfurfural to Produce 2,5-Dimethylfuran Over Ru-ZrO2-MCM-41 Catalyst	2019	ChemistrySelect	4	20	6080	6089
255	Jadhav, M.M., Vaghasiya, J.V., Patil, D., Soni, S.S., Sekar, N.	Synthesis of novel colorants for DSSC to study effect of alkyl chain length alteration of auxiliary donor on light to current conversion efficiency	2019	Journal of Photochemistry and Photobiology A: Chemistry	377		119	129
256	Borase, H.P., Muley, A.B., Patil, S.V., Singhal, R.S.	Nano-eco toxicity study of gold nanoparticles on aquatic organism Moina macrocopa: As new versatile ecotoxicity testing model	2019	Environmental Toxicology and Pharmacology	68		4	12

257	Jadhav, J.V., Anbu, P., Yadav, S., Pratap, A.P., Kale, S.B.	Sunflower Acid Oil-Based Production of Rhamnolipid Using Pseudomonas aeruginosa and Its Application in Liquid Detergents	2019	Journal of Surfactants and Detergents	22	3	463	476
258	Hanchate, N., Kulshreshtha, P., Mathpati, C.S.	Optimization, scale-up and cost estimation of dehydration of ethanol using temperature swing adsorption	2019	Journal of Environmental Chemical Engineering	7	2		
259	Patil, B.N., Lade, J.J., Karpe, A.S., Pownthurai, B., Vadagaonkar, K.S., Mohanasrinivasan, V., Chaskar, A.C.	Transition metal-catalyzed C–H functionalization of arylacetic acids for the synthesis of benzothiadiazine 1,1-dioxides	2019	Tetrahedron Letters	60	13	891	894
260	Patil, D.M., Phalak, G.A., Mhaske, S.T.	Novel phosphorus-containing epoxy resin from renewable resource for flame-retardant coating applications	2019	Journal of Coatings Technology and Research	16	2	531	542
261	Rani, M., Amane, D., Ananthanarayan, L.	Impact of partial replacement of rice with other selected cereals on idli batter fermentation and idli characteristics	2019	Journal of Food Science and Technology	56	3	1192	1201
262	Chakraborty, S., Rao, P.S., Mishra, H.N.	Modeling the inactivation of pectin methylesterase in pineapple puree during combined high-pressure and temperature treatments	2019	Innovative Food Science and Emerging Technologies	52		271	281
263	Sahu, A., Pandit, A.B.	Kinetic Study of Homogeneous Catalyzed Esterification of a Series of Aliphatic Acids with Different Alcohols	2019	Industrial and Engineering Chemistry Research	58	8	2672	2682
264	Palav, A., Misal, B., Ernolla, A., Parab, V., Waske, P., Khandekar, D., Chaudhary, V., Chaturbhuj, G.	The M-CPbA−NH3(G) system: A safe and scalable alternative for the manufacture of (substituted) pyridine and quinoline N-oxides†	2019	Organic Process Research and Development	23	2	244	251
265	Patil, P.D., Shaikh, V.R., Gupta, G.R., Hundiwale, D.G., Patil, K.J.	Studies of Volumetric and Viscosity Properties in Aqueous Solutions of Imidazolium Based Ionic Liquids at Different Temperatures and at Ambient Pressure	2019	Journal of Solution Chemistry	48	1	45	60
266	Dubey, K.K., Janve, M., Ray, A., Singhal, R.S.	Ready-to-drink tea	2019	Trends in Non-alcoholic Beverages			101	140
267	Husain, Z., Tiwari, S.S., Pandit, A.B., Joshi, J.B.	Computational Fluid Dynamics Study of Biomass Cook Stove - Part 1: Hydrodynamics and Homogeneous Combustion	2019	Industrial and Engineering Chemistry Research				
268	Joshi, M.D., Prabhu, R.H., Patravale, V.B.	Fabrication of nanostructured lipid carriers (NLC)-based gels from microemulsion template for delivery through skin	2019	Methods in Molecular Biology	2000		279	292
269	Deshmukh, D.S., Bhanage, B.M.	Ruthenium-Catalyzed Annulation of N -Cbz Hydrazones via C-H/N-N Bond Activation for the Rapid Synthesis of Isoquinolines	2019	Synthesis (Germany)	51	12	2506	2514
270	Jain, S.N., Gogate, P.R.	Treatment of Dye Containing Real Industrial Effluents using NaOH-Activated Ficus racemosa and Prunus dulcis based Novel Adsorbents	2019	International Journal of Environmental Research				

271	Chhanwal, N., Bhushette, P.R., Anandharamakrishnan, C.	Current Perspectives on Non-conventional Heating Ovens for Baking Process—a Review	2019	Food and Bioprocess Technology	12	1	1	15
272	Hatvate, N.T., Ghodse, S.M., Telvekar, V.N.	ZSM-5 catalyzed one pot three-component synthesis of 5-substituted-1H-tetrazoles from aldehyde	2019	Synthetic Communications	49	24	3553	3559
273	Yadav, A.K., Vaidya, P.D.	Renewable hydrogen production by steam reforming of butanol over multiwalled carbon nanotube-supported catalysts	2019	International Journal of Hydrogen Energy	44	57	30014	30023
274	Yadav, S.B., Kothavale, S., Sekar, N.	ESIPT-rhodol derivatives with enhanced Stokes shift: Synthesis, photophysical properties, viscosity sensitivity and DFT studies	2019	Journal of Molecular Liquids	294			
275	Gadgeel, A.A., Mhaske, S.T.	Novel approach for the preparation of a compatibilized blend of nylon 11 and polypropylene with polyhydroxybutyrate: Mechanical, thermal, and barrier properties	2019	Journal of Applied Polymer Science	136	43		
276	Srinivasan, S., Dubey, K.K., Singhal, R.S.	Influence of food commodities on hangover based on alcohol dehydrogenase and aldehyde dehydrogenase activities	2019	Current Research in Food Science	1		8	16
277	Sen, I.D., Semwal, D., Jayaram, R.V.	Interaction of imidazolium based ionic liquids with aqueous Triton X-100 surfactant: Clouding, fluorescence and NMR studies	2019	Journal of Molecular Liquids	293			
278	Parikh, D.T., Lanjekar, K.J., Rathod, V.K.	Kinetics and thermodynamics of lipase catalysed synthesis of propyl caprate	2019	Biotechnology Letters	41	10	1163	1175
279	Nikam, P.N., Deshpande, V.D.	Isothermal crystallization kinetics of PET/alumina nanocomposites using distinct macrokinetic models	2019	Journal of Thermal Analysis and Calorimetry	138	2	1049	1067
280	Mulge, S., Mestry, S., Naik, D., Mhaske, S.	Phosphorus-containing reactive agent for UV-curable flame-retardant wood coating	2019	Journal of Coatings Technology and Research	16	5	1493	1502
281	Lokhande, P.K.M., Patil, D.S., Kadam, M.M., Sekar, N.	Theoretical Investigation of Optical and Nonlinear Optical (NLO) Properties of 3-Azabenzanthrone Analogues : DFT and TD-DFT Approach.	2019	ChemistrySelect	4	34	10033	10045
282	Bansode, S.R., Rathod, V.K.	An intensified technique for lipase catalysed amide synthesis	2019	Chemical Engineering and Processing - Process Intensification	143			
283	Wagh, A.S., Ukarde, T.M., Pandey, P.H., Lali, A.M., Pawar, H.S.	Self-catalyzed deconstruction of acid-modified k-Carrageenan for Production of 5-Hydroxymethyl Furfural	2019	ACS Sustainable Chemistry and Engineering	7	16	13932	13940
284	Jaiswal, K.S., Rathod, V.K.	Enzymatic synthesis of cosmetic grade wax ester in solvent free system: optimization, kinetic and thermodynamic studies	2019	SN Applied Sciences	1	8		
285	Chakraborty, B., Bhowmick, A.R., Chattopadhyay, J., Bhattacharya, S.	A Novel Unification Method to Characterize a Broad Class of Growth Curve Models Using Relative Growth Rate	2019	Bulletin of Mathematical Biology	81	7	2529	2552
286	Patil, M.L., Lali, A.M., Dalai, A.K.	Catalytic hydrodeoxygenation of bio-oil model compound for production of fuel grade oil	2019	Asia-Pacific Journal of Chemical Engineering	14	4		
287	Shevalkar, G., Pai, R., Vavia, P.	Nanostructured Lipid Carrier of Propofol: a Promising Alternative to Marketed Soybean Oil–Based Nanoemulsion	2019	AAPS PharmSciTech	20	5		

288	Raikwar, M.M., Mathew, E., Varghese, M., Joe, I.H., Nethi, S.N.	NLOphoric Triphenylamine Derived Donor-π-Acceptor-π-Donor Based Colorants: Synthesis, Spectroscopic, Density Functional Theory and Z-scan Studies	2019	Photochemistry and Photobiology	95	4	931	945
289	Vadgama, R.N., Odaneth, A.A., Lali, A.M.	New synthetic route for polyricinoleic acid with Tin (II) 2-ethylhexanoate	2019	Heliyon	5	6		
290	Tousif Ayyub, K., Moravkar, K., Maniruzzaman, M., Amin, P.	Effect of melt extrudability and melt binding efficiency of polyvinyl caprolactam polyvinyl acetate polyethylene glycol graft copolymer (Soluplus®) on release pattern of hydrophilic and high dose drugs	2019	Materials Science and Engineering C	99		563	574
291	Chakraborty, S., Shrivastava, C.	Comparison between multiresponse-robust process design and numerical optimization: A case study on baking of fermented chickpea flour-based wheat bread	2019	Journal of Food Process Engineering	42	3		
292	Pon Kumar, R., Wadgaonkar, K., Mehta, L., Jagtap, R.	Enhancement of mechanical and barrier properties of LLDPE composite film via PET fiber incorporation for agricultural application	2019	Polymers for Advanced Technologies	30	5	1251	1258
293	Ayare, N.N., Rajeshirke, M., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	NLO-Phoric Emissive Quinoxaline Analog of Quinoline Yellow 54 and Z-Scan Studies	2019	ChemistrySelect	4	13	3752	3761
294	Teli, M.D., Terega, J.M.	Effects of alkalization on the properties of Ensete ventricosum plant fibre	2019	Journal of the Textile Institute	110	4	496	507
295	Kalane, N.D., Krishnan, R.A., Yadav, V.D., Jain, R., Dandekar, P.	Synergistic effect of hetero- and homo-catalysts on the ‘green’ synthesis of 5-hydroxymethylfurfural from chitosan biomass	2019	Cellulose	26	4	2805	2819
296	Badnore, A.U., Sorde, K.I., Datir, K.A., Ananthanarayan, L., Pratap, A.P., Pandit, A.B.	Preparation of antibacterial peel-off facial mask formulation incorporating biosynthesized silver nanoparticles	2019	Applied Nanoscience (Switzerland)	9	2	279	287
297	Borase, H.P., Patil, S.V., Singhal, R.S.	Moina macrocopa as a non-target aquatic organism for assessment of ecotoxicity of silver nanoparticles: Effect of size	2019	Chemosphere	219		713	723
298	Iyer, S.G., Banerjee, A.K., Bhowmick, A.R.	Making choices that matter – Use of statistical regularization in species distribution modelling for identification of climatic indicators – A case study with Mikania micrantha Kunth in India	2019	Ecological Indicators	98		92	103
299	Bhalekar, S., Avhad, K., Sekar, N.	Synthesis, photophysical, viscosity and DFT study of solid state fluorescent molecular rotors	2019	Journal of Photochemistry and Photobiology A: Chemistry	371		223	237
300	Biranje, S., Madiwale, P., Adivarekar, R.V.	Porous electrospun Casein/PVA nanofibrous mat for its potential application as wound dressing material	2019	Journal of Porous Materials	26	1	29	40
301	Barge, A.S., Vaidya, P.D.	Ruthenium-decorated carbon nanotubes as catalyst for wet air oxidation	2019	Journal of Environmental Chemical Engineering	7	1		
302	Soni, N., Shah, N.N., Singhal, R.S.	Dodecenyl succinylated guar gum hydrolysate as a wall material for microencapsulation: Synthesis, characterization and evaluation	2019	Journal of Food Engineering	242		133	140

303	Rajeshirke, M., Shah, D., Sekar, N.	Nonlinear Optical Chromophores with Aggregation Induced Emission Enhancement Based on 2-N,N-Dibutylamino-4-Phenyl Thiazole with FMR Characteristics	2019	Journal of Fluorescence	29	1	61	73
304	Kale, R.D., Potdar, T., Gorade, V.	Treatment of C.I. reactive blue-21 effluent by microcrystalline cellulose grafted with APTES: Kinetics, isotherm and thermodynamic study	2019	Sustainable Environment Research	1	1		
305	Anantram, A., Degani, M.	Targeting cancer's Achilles' heel: Role of BCL-2 inhibitors in cellular senescence and apoptosis	2019	Future Medicinal Chemistry	11	17	2287	2312
306	Gadhave, R.V., Mahanwar, P.A., Gadekar, P.T.	Cross-linking of polyvinyl Alcohol/Starch blends by Epoxy Silane for improvement in thermal and mechanical properties	2019	BioResources	14	2	3833	3843
307	Patravale, V.B., Mirani, A.G.	Preparation and characterization of solid lipid nanoparticles-based gel for topical delivery	2019	Methods in Molecular Biology	2000		293	302
308	Gayakwad, E.M., Patel, K.P., Shankarling, G.S.	Sodium sulfate-hydrogen peroxide-sodium chloride adduct: selective protocol for the oxidative bromination, iodination and temperature dependent oxidation of sulfides to sulfoxides and sulfones	2019	New Journal of Chemistry	43	15	6001	6009
309	Samudrala, P.S., Nakhate, A.V., Gupta, S.S.R., Rasal, K.B., Deshmukh, G.P., Gadipelly, C.R., Theegala, S., Dumbre, D.K., Periasamy, S., Komandur, V.R.C., Bhargava, S.K., Mannepalli, L.K.	Oxidative coupling of carboxylic acids or benzaldehydes with DMF using hydrotalicite-derived oxide catalysts	2019	Applied Catalysis B: Environmental	240		348	357
310	Mishra, A.A., Bhanage, B.M.	Electronic And Steric Effect Favored Selective Synthesis Of Asymmetric (-) N-Aryl Mandelamides	2019	ChemistrySelect	4	48	14032	14035
311	Bhatt, L., Kale, R.D.	Lemongrass (Cymbopogon Flexuosus Steud.) wats treated textile: A control measure against vector-borne diseases	2019	Heliyon	5	12		
312	Bhagwat, A., Annapure, U.S.	In vitro assessment of metabolic profile of Enterococcus strains of human origin	2019	Journal of Genetic Engineering and Biotechnology	17	1		
313	Sutar, Y.B., Mali, J.K., Telvekar, V.N., Rajmani, R.S., Singh, A.	Transferrin conjugates of antitubercular drug isoniazid: Synthesis and in vitro efficacy	2019	European Journal of Medicinal Chemistry	183			
314	Nakhate, P.H., Patil, H.G., Shah, V., Salvi, T., Marathe, K.V.	Process validation of integrated bioelectrochemical and membrane reactor for synchronous bioenergy extraction and sustainable wastewater treatment at a semi-pilot scale	2019	Biochemical Engineering Journal	151			
315	Prajapati, M.K., Bishnu, A., Ray, P., Vavia, P.R.	Selectivity Enhancement of Paclitaxel Liposome Towards Folate Receptor-Positive Tumor Cells by Ligand Number Optimization Approach	2019	AAPS PharmSciTech	20	8		
316	Agarwal, A., Shaikh, K.M., Gharat, K., Jutur, P.P., Pandit, R.A., Lali, A.M.	Investigating the modulation of metabolites under high light in mixotrophic alga Asteracys sp. using a metabolomic approach	2019	Algal Research	43			
317	Mollick, P.K., Pandit, A.B., Vijayan, P.K., Krishnan, M.	Critical Assessment of Performance of a Draft Tube Configured in a Spouted Bed for Various Fluid-Particle Properties	2019	Industrial and Engineering Chemistry Research	58	42	19670	19680

318	Malkar, R.S., Daly, H., Hardacre, C., Yadav, G.D.	Novelty of iron-exchanged heteropolyacid encapsulated inside ZIF-8 as an active and superior catalyst in the esterification of furfuryl alcohol and acetic acid	2019	Reaction Chemistry and Engineering	4	10	1790	1802
319	Yadav, S.B., Erande, Y., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	Pyrene Based NLOphoric D-π-A-π-D Coumarin-Chalcone and Their Red Emitting OBO Difluoride Complex: Synthesis, Solvatochromism, Z-scan, and Detailed TD-DFT Studies	2019	ChemistrySelect	4	35	10385	10400
320	Rathi, J.O., Shankarling, G.S.	Concentrated solar radiation aided energy efficient and chemoselective protocol for N-acylation and N-formylation reactions in aqueous medium	2019	Solar Energy	189		471	479
321	Desigan, N., Bhatt, N., Shetty, M.A., Sreekumar, G.K.P., Pandey, N.K., Kamachi Mudali, U., Natarajan, R., Joshi, J.B.	Dissolution of nuclear materials in aqueous acid solutions	2019	Reviews in Chemical Engineering	35	6	707	734
322	Roy, L.	Theoretical Identification of the Factors Governing the Reactivity of C–H Bond Activation by Non-Heme Iron(IV)-Oxo Complexes	2019	ChemPlusChem	84	7	893	906
323	Deshaware, S., Gupta, S., Singhal, R., Variyar, P.S.	Influence of different pasteurization techniques on antidiabetic, antioxidant and sensory quality of debittered bitter gourd juice during storage	2019	Food Chemistry	285		156	162
324	Faya, M., Kalhapure, R.S., Dhumal, D., Agrawal, N., Omolo, C., Akamanchi, K.G., Govender, T.	Antimicrobial cell penetrating peptides with bacterial cell specificity: pharmacophore modelling, quantitative structure activity relationship and molecular dynamics simulation	2019	Journal of Biomolecular Structure and Dynamics	37	9	2370	2380
325	Satdive, A., Mestry, S., Patil, D., Mhaske, S.T.	Synthesis of melamine formaldehyde cured castor oil based hydroxyl functional alkyd for coating application	2019	Progress in Organic Coatings	131		165	175
326	Naik, D., Wazarkar, K., Sabnis, A.	UV-curable flame-retardant coatings based on phosphorous and silicon containing oligomers	2019	Journal of Coatings Technology and Research	16	3	733	743
327	Patil, S.J., Vaidya, P.D.	Hydrotreatment of jatropha oil over noble metal catalysts	2019	Chemical Engineering Communications	206	5	605	618
328	Malkar, R.S., Yadav, G.D.	Superior activity and selectivity of multifunctional catalyst Pd-DTP@ZIF-8 in one pot synthesis of 3-phenyl propyl benzoate	2019	Inorganica Chimica Acta	490		282	293
329	Ghoderao, P.N.P., Dalvi, V.H., Narayan, M.	A four parameter cubic equation of state with temperature dependent covolume parameter	2019	Chinese Journal of Chemical Engineering	27	5	1132	1148
330	Parvate, S., Mahanwar, P.	Advances in self-crosslinking of acrylic emulsion: what we know and what we would like to know	2019	Journal of Dispersion Science and Technology	40	4	519	536
331	Holkar, C.R., Jadhav, A.J., Pinjari, D.V.	A critical review on the possible remediation of sediment in cocoa/coffee flavored milk	2019	Trends in Food Science and Technology	86		199	208
332	Mohbiya, D.R., Mallah, R.R., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	Influence of acceptors in NLOphoric aacenaphthene and morpholine-thiourea hybrid dyes: Photophysical, viscosity, DFT and Z-Scan study	2019	Optical Materials	89		178	190
333	Mallah, R.R., Mohbiya, D.R., Sreenath, M.C.,	Non-linear optical response of meso substituted dipyrromethene boron difluoride dyes: Synthesis, photophysical, DFT and Z scan study	2019	Optical Materials	89		164	172

	Chitrambalam, S., Joe, I.H., Sekar, N.							
334	Rathod, W.R., Rathod, V.K.	Continuous preparation of nimesulide nanoparticles by liquid antisolvent precipitation using spinning disc reactor	2019	Journal of Chemical Technology and Biotechnology	94	3	919	926
335	Palamthodi, S., Kadam, D., Lele, S.S.	Physicochemical and functional properties of ash gourd/bottle gourd beverages blended with jamun	2019	Journal of Food Science and Technology	56	1	473	482
336	Indurkar, S.J., Rathod, V.K.	Aqueous two-phase extraction of punicalagin (α+β) from pomegranate peel by response surface methodology	2019	Separation Science and Technology (Philadelphia)	54	1	51	58
337	Mahalle, K., Parab, P., Bhagwat, S.	Optimization of cooling load in the combined vapour absorption–vapour compression refrigeration cycle using exergy analysis	2019	Indian Chemical Engineer	61	1	52	66
338	Suryawanshi, D., Shinde, U., Jha, D.K., Amin, P.	Application of Quality by Design Approach for Hot-Melt Extrusion Process Optimization	2019	Pharmaceutical Quality by Design: Principles and Applications			209	228
339	Thirumdas, R., Annapure, U.S.	Enzyme inactivation in model systems and food matrixes by cold plasma	2019	Advances in Cold Plasma Applications for Food Safety and Preservation			229	252
340	Kolekar, Y.A., Bhanage, B.M.	Pd/C-catalyzed synthesis of oxamates by oxidative cross double carbonylation of alcohols and tertiary amines through C-N bond cleavage	2019	New Journal of Chemistry	43	46	18072	18078
341	Mirani, A., Kundaikar, H., Velhal, S., Patel, V., Bandivdekar, A., Degani, M., Patravale, V.	Evaluation of phytopolyphenols for their gp120-CD4 binding inhibitory properties by in silico molecular modelling & in vitro cell line studies	2019	Current HIV Research	17	2	102	113
342	Kulkarni, N.J., Mathpati, C.S., Mandal, D., Dalvi, V.H.	Minimum Fluidization Velocity of Intermediate Sized Particles in Conventional and Packed Fluidized Bed	2019	International Journal of Chemical Reactor Engineering				
343	Pandiyaraj, K.N., Ramkumar, M.C., Arun Kumar, A., Padmanabhan, P.V.A., Pichumani, M., Bendavid, A., Cools, P., De Geyter, N., Morent, R., Kumar, V., Gopinath, P., Su, P.-G., Deshmukh, R.R.	Evaluation of surface properties of low density polyethylene (LDPE) films tailored by atmospheric pressure non-thermal plasma (APNTP) assisted co-polymerization and immobilization of chitosan for improvement of antifouling properties	2019	Materials Science and Engineering C	94		150	160
344	Sarnaik, K.D., Gogate, P.R.	Intensified Catalytic Transfer Hydrogenation of Sunflower Oil Using Ultrasound	2019	Industrial and Engineering Chemistry Research	58	51	22942	22950
345	Sahu, A., Panit, A.B.	Facile Synthesis of Homogeneous Catalyze Esterification of Meium-Chain-Length Fatty Acis an Kinetic Stuy	2019	Industrial and Engineering Chemistry Research	58	49	22212	22224

346	Chemla, Y., Ozer, E., Shaferman, M., Zaad, B., Dandela, R., Alfonta, L.	Simplified methodology for a modular and genetically expanded protein synthesis in cell-free systems	2019	Synthetic and Systems Biotechnology	4	4	189	196
347	Shende, V.S., Raut, A.B., Raghav, P., Kelkar, A.A., Bhanage, B.M.	Roomerature Asymmetric Transfer Hydrogenation of Biomass-Derived Levulinic Acid to Optically Pure γ-Valerolactone Using a Ruthenium Catalyst	2019	ACS Omega	4	21	19491	19498
348	Yadav, V.D., Krishnan, R.A., Jain, R., Dandekar, P.	In-situ silver nanoparticles formation as a tool for non-enzymatic glucose sensing: Study with an enzyme mimicking salt	2019	Colloids and Surfaces A: Physicochemical and Engineering Aspects	580			
349	Bhalekar, S., Kothavale, S., Sekar, N.	Yellow-red emitting, methoxy substituted triphenylamine-based styryl derivatives: Synthesis, photophysical properties, viscosity sensitivity, aggregation induced emission, NLO properties, and DFT study	2019	Journal of Photochemistry and Photobiology A: Chemistry	384			
350	Fernandes, C.G., Sonawane, S.K., Arya, S.S.	Optimization and modeling of novel multigrain beverage: Effect of food additives on physicochemical and functional properties	2019	Journal of Food Processing and Preservation	43	10		
351	Ayakar, S.R., Yadav, G.D.	Development of novel support for penicillin acylase and its application in 6-aminopenicillanic acid production	2019	Molecular Catalysis	476			
352	Amane, D., Ananthanarayan, L.	Application of two-dimensional gel electrophoresis technique for protein profiling of Indian black gram varieties and detection of adulteration in black gram-based food products using comparative proteomics	2019	Food Chemistry: X	3			
353	Bedade, D.K., Dev, M.J., Singhal, R.S.	Bioreactor studies on acrylamidase produced from Cupriavidus oxalaticus ICTDB921: Production, kinetic modeling, and purification	2019	Biochemical Engineering Journal	149			
354	Bhowmick, A.R., Sardar, T., Bhattacharya, S.	Estimation of growth regulation in natural populations by extended family of growth curve models with fractional order derivative: Case studies from the global population dynamics database	2019	Ecological Informatics	53			
355	Yadav, M.G., Vadgama, R.N., Kavadia, M.R., Odaneth, A.A., Lali, A.M.	Production of Pentaerythritol Monoricinoleate (PEMR) by immobilized Candida antarctica lipase B	2019	Biotechnology Reports	23			
356	Desigan, N., Maji, D., Ananthasivan, K., Pandey, N.K., Kamachi Mudali, U., Joshi, J.B.	Dissolution behaviour of simulated MOX nuclear fuel pellets in nitric acid medium	2019	Progress in Nuclear Energy	116		1	9
357	Patil, S., Narvekar, A., Puranik, A., Jain, R., Dandekar, P.	Formulation of therapeutic proteins: Strategies for developing oral protein formulations	2019	Innovative Dosage Forms: Design and Development at Early Stage			391	432
358	Jadhav, A.L., Yadav, G.D.	Clean synthesis of benzylidenemalononitrile by Knoevenagel condensation of benzaldehyde and malononitrile: effect of combustion fuel on activity and selectivity of Ti-hydrotalcite and Zn-hydrotalcite catalysts	2019	Journal of Chemical Sciences	131	8		
359	Kale, R.D., Soni, M., Potdar, T.	A flame retardant, antimicrobial and UV protective polyester fabric by solvent crazing route	2019	Journal of Polymer Research	26	8		

360	Khaire, R.A., Sunny, A.A., Gogate, P.R.	Ultrasound assisted ultrafiltration of whey using dual frequency ultrasound for intensified recovery of lactose	2019	Chemical Engineering and Processing - Process Intensification	142			
361	Nhivekar, G.S., Rathod, V.K.	Acoustic cavitation assisted lipase B catalysed synthesis of polyethylene glycol stearate in a solvent free system via esterification: synthesis and optimization	2019	Journal of Chemical Technology and Biotechnology	94	8	2465	2474
362	Das, D., Raut, V.	Hydrogen peroxide (H2O2) production in oxygen reduction reaction (ORR) proceeding in alkaline medium employing zinc based metal-organic framework	2019	AIP Conference Proceedings	2115			
363	Ghodki, B.M., Dadlani, G., Ghodki, D.M., Chakraborty, S.	Functional whole wheat breads: Compelling internal architecture	2019	LWT	108		301	309
364	Lokhande, P.K.M., Patil, D.S., Sekar, N.	Viscosity sensitive red shifted novel D-π-A carbazole chromophore with chlorine in π-spacer: Synthesis, photophysical properties, NLO study and DFT approach	2019	Journal of Luminescence	211		162	175
365	Ghanate, A.S., Annapure, U.S.	Effect of physicochemical and rheological properties of flour from different local wheat varieties on the quality of varanphal: an Indian traditional product	2019	Journal of Food Science and Technology	56	6	3033	3042
366	Mallah, R.R., Mohbiya, D.R., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	NLOphoric benzyl substituted BODIPY and BOPHY: A comprehensive linear and nonlinear optical study by spectroscopic, DFT and Z-scan measurement	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	215		122	129
367	Bhosale, G.S., Vaidya, P.D., Joshi, J.B., Patil, R.N.	Kinetics of Ozonation of Phenol and Substituted Phenols	2019	Industrial and Engineering Chemistry Research	58	18	7461	7466
368	Patil, M.P., Vaidya, P.D.	Characterization of the superior CO2-capturing absorbent blend AMP/PZ/EGMEE/Water	2019	International Journal of Greenhouse Gas Control	84		29	35
369	Chinchole, A.N., Dubey, A.V., Kumar, A.V.	Bioinspired Palladium Nanoparticles Supported on Soil-Derived Humic Acid Coated Iron-Oxide Nanoparticles as Catalyst for C–C Cross-Coupling and Reduction Reactions	2019	Catalysis Letters	149	5	1224	1236
370	Bhaumik, S.	Oriented Attachment of Perovskite Cesium Lead Bromide Nanocrystals	2019	ChemistrySelect	4	15	4538	4543
371	Patil, P.D., Yadav, G.D.	Exploring the untapped potential of solar pretreatment for deconstruction of recalcitrant Kraft lignin in fungal biotransformation	2019	Clean Technologies and Environmental Policy	21	3	579	590
372	Patil, A.A., Maiti, S., Adivarekar, R.V.	The use of poly(amido)amine dendrimer in modification of cotton for improving dyeing properties of acid dye	2019	International Journal of Clothing Science and Technology	31	2	220	231
373	Wani, R.R., Chaudhari, H.K., Takale, B.S.	Solvent Free Synthesis of N-Substituted Pyrroles Catalyzed by Calcium Nitrate	2019	Journal of Heterocyclic Chemistry	56	4	1337	1340
374	Patil, D.S., Avhad, K.C., Kadam, M.M., Sekar, N.	Synthesis of red emitting triphenylamine derived NLOphoric D–π–A molecules: photophysical, and viscosity sensing studies	2019	SN Applied Sciences	1	3		
375	Mollick, P.K., Goswami, P.S., Krishnan, M., Vijayan, P.K., Pandit, A.B.	A novel approach to correlate heat transfer and pressure fluctuation in gas–solid spouted bed	2019	Particuology	42		26	34

376	Ingle, P.K., Attarkar, K., Rathod, V.K.	Ultrasound assisted chemical activation of peanut husk for copper removal	2019	Green Processing and Synthesis	8	1	46	53
377	Nhivekar, G.S., Rathod, V.K.	Optimization of lipase-catalyzed synthesis of polyethylene glycol stearate in a solvent-free system	2019	Green Processing and Synthesis	8	1	30	37
378	Sekar, N., Katariya, S., Rhyman, L., Alswaidan, I.A., Ramasami, P.	Molecular and NLO Properties of Red Fluorescent Coumarins – DFT Computations Using Long-Range Separated and Conventional Functionals	2019	Journal of Fluorescence	29	1	241	253
379	Parab, P., Bhagwat, S.	Thermophysical Properties of Ternary Systems Potassium Formate + Propylene Glycol/Glycerol + Water	2019	Journal of Chemical and Engineering Data	64	1	234	244
380	Avhad, K.C., Patil, D.S., Chitrambalam, S., Sreenath, M.C., Joe, I.H., Sekar, N.	Extensive Study of Rhodanine-Arylamine-Based Chromophores: Consolidated Optical, DFT/TD-DFT and Non-Linear Optical Properties	2019	ChemistrySelect	4	1	211	221
381	Gondhalekar, S.C., Singh, S.A., Shukla, S.R.	Removal of Cd(II) ions by oxidized coconut coir	2019	Journal of Natural Fibers	16	1	37	48
382	Maity, D., Kandasamy, G., Sudame, A.	Superparamagnetic iron oxide nanoparticles for cancer theranostic applications	2019	Nanotheranostics: Applications and Limitations			245	276
383	Bhandari, P.S., Gogate, P.R.	Adsorptive removal of sodium dodecyl sulfate using activated coconut shell based adsorbent: Kinetic and thermodynamic study	2019	Desalination and Water Treatment	165		111	123
384	Bhattad, S.S., Mahanwar, P.A.	Preparation and physical characterization of sulfonated poly (ether ether ketone) and polypyrrole composite membrane	2019	Journal of Membrane Science and Research	5	1	49	54
385	Mehta, L., Wadgaonkar, K., Suryawanshi, M., Jagtap, R.	Solvent-free microwave-assisted synthesis and characterization of polybenzoxazine as a thermochromic material for smart coatings	2019	Colloid and Polymer Science				
386	Ingle, U., Lali, A.	Design of High-Productivity Mixed Tocopherol Purification from Deodorized Distillates by Tandem Reverse Phase Chromatography	2019	JAOCS, Journal of the American Oil Chemists' Society	96	1	83	92
387	Bhandari, P.S., Gogate, P.R.	Microwave assisted persulfate induced degradation of sodium dodecyl benzene sulfonate	2019	Korean Journal of Chemical Engineering	36	12	2000	2007
388	Subhedar, D.D., Deshmukh, D.S., Bhanage, B.M.	Cp*Co(III) catalyzed annulation of N-Cbz hydrazones for the redox-neutral synthesis of isoquinolines via C–H/N–N bond activation	2019	Synthetic Communications	49	22	3121	3130
389	Parab, P., Takalkar, G., Bhagwat, S.	Vapour liquid equilibrium of Potassium formate–Water: measurements and correlation by e-NRTL model	2019	Indian Chemical Engineer	61	4	361	373
390	Sahani, A.J., Burange, A.S., Thakur, S.D., Jayaram, R.V.	New routes for the synthesis of unsymmetrical diarylselenides: Effect of heat, light and ultrasound	2019	Molecular Catalysis	476			
391	Oberoi, P.R., Maurya, C.B., Mahanwar, P.A.	Study the effect of control radiation on optical and structural properties of polymeric gel dosimeter	2019	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	455		21	27
392	Mandal, P.S., Vijay Kumar, A.	A room temperature one-pot Knoevenagel-Chan-Evans-Lam coupling reaction for synthesis of N-aryl-2-Iminocoumarins in bio-mass-derived green solvent 2-methylTHF	2019	Tetrahedron Letters	60	37		

393	Phapale, D., Kushwaha, A., Das, D.	Room Temperature Reversible Z→E Photoisomerization of Azobenzene Appended to Anthraquinone-Benzimidazole Based Photoswitches with Resolved n→π* Absorption Band	2019	European Journal of Organic Chemistry	2019	33	5768	5776
394	Agre, N., Degani, M., Gupta, A., Bhakta, S., Ray, M.K.	Synthesis and mycobacterial evaluation of 5-substituted-6-acetyl-2-amino-7-methyl-5,8-dihydropyrido-[2,3-d]pyrimidin-4(3H)-one derivatives	2019	Archiv der Pharmazie	352	9		
395	Bhaskar, B., Ananthanarayan, L.	Changes in ACE inhibitory and antioxidant activities in alcalase treated idli batter and idli after fermentation	2019	Journal of Food Science and Technology	56	9	4025	4035
396	Bashir, Z., Sheng, L., Anil, A., Lali, A., Minton, N.P., Zhang, Y.	Engineering Geobacillus thermoglucosidasius for direct utilisation of holocellulose from wheat straw	2019	Biotechnology for Biofuels	12	1		
397	Sable, V., Shah, J., Sharma, A., Kapdi, A.R.	Pd-Colloids-Catalyzed/Ag2O-Oxidized General and Selective Esterification of Benzylic Alcohols	2019	Chemistry - An Asian Journal	14	15	2639	2647
398	Yadav, M.D., Patwardhan, A.W., Joshi, J.B., Dasgupta, K.	Selective synthesis of metallic and semi-conducting single-walled carbon nanotube by floating catalyst chemical vapour deposition	2019	Diamond and Related Materials	97			
399	Deb, S.S., Reshamwala, S.M.S., Lali, A.M.	Activation of alternative metabolic pathways diverts carbon flux away from isobutanol formation in an engineered Escherichia coli strain	2019	Biotechnology Letters	41	07-Jun	823	836
400	Jagtap, R.N., Wadgaonkar, K.K., Mehta, L.B.	Influence of Ethylene-Methacrylic Acid Copolymer on Thermo-mechanical, Morphological and Rheological Properties of Recycled PET/SEBS Blend	2019	Fibers and Polymers	20	7	1323	1332
401	Gajula, S., Antonyraj, C.A., Odaneth, A.A., Srinivasan, K.	A consolidated road map for economically gainful efficient utilization of agro-wastes for eco-friendly products	2019	Biofuels, Bioproducts and Biorefining	13	4	899	911
402	Jadhao, M., Joshi, R., Ganorkar, K., Ghosh, S.K.	Biomimetic systems trigger a benzothiazole based molecular switch to 'turn on' fluorescence	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	217		197	205
403	Syed, T.A., Gaikar, V.G., Mukherjee, S.	Stability of co-crystals of caffeine with gallic acid in presence of coformers	2019	Journal of Food Process Engineering	42	4		
404	Raikwar, M.M., Avhad, K.C., Varghese, M., Mathew, E., Joe, I.H., Sekar, N.	D-π-A-π-D coumarin hybrids derived from arylamine donors: DFT and Z-scan studies	2019	Optical Materials	92		100	110
405	E., D., Joshi, G.M., S., K., Deshmukh, R.R., S.M., S.K.	Physico-chemical and surface properties of air plasma treated PVDF/PMMA/Attapulgite/hexagonal-Boron Nitride blends	2019	Progress in Organic Coatings	131		17	26
406	Lokhande, P.K.M., Patil, D.S., Kadam, M., Sekar, N.	Chlorine (Cl) - Substituted Carbazole Based A-π-D-π-a Push-Pull Chromophores as Aggregation Enhanced Emission (AEE) Active Viscosity Sensors: Synthesis, DFT and NLO Approach	2019	Journal of Fluorescence	29	3	779	795
407	Jape, S.P., Deshpande, V.D.	Investigation into the morphology, crystallization and melting behaviour of nylon 6,6/LCP blends	2019	Journal of Thermal Analysis and Calorimetry	136	3	1103	1116
408	Soni, S., Sathe, S.S., Sheth, R.R., Tiwari, P., Vadgama,	N-terminal domain replacement changes an archaeal monoacylglycerol lipase into a triacylglycerol lipase	2019	Biotechnology for Biofuels	12	1		

	R.-K.N., Odaneth, A.A., Lali, A.M., Chandrayan, S.K.							
409	Thirumdas, R., Janve, M., Siliveru, K., Kothakota, A.	Determination of food quality using atomic emission spectroscopy	2019	Evaluation Technologies for Food Quality			175	192
410	Patil, S.P., Arya, S.S.	Influence of additive premix, whey proteins, extruded and germinated flour on gluten free dough rheological parameters and flatbread characteristics: A mixture design approach	2019	Journal of Microbiology, Biotechnology and Food Sciences	8	5	1198	1204
411	Regubalan, B., Ananthanarayan, L.	Investigation of biogenic amines content in fermented idli batter during storage	2019	Journal of Food Science and Technology	56	4	1775	1784
412	Hase, D.V., Jayaram, R.V., Thirumalai, K., Swaminathan, M.	Base-Free Tandem Cyclooxidative Synthesis of Quinazolinones with Gd x M n – ZnO (M= Mo, V, W) Catalysts	2019	ChemistrySelect	4	12	3440	3445
413	Jadhao, S.B., Pandit, A.B., Bakshi, B.R.	Resource Utilization and Destruction in Indian Industrial Sectors: An Exergy Analysis	2019	Industrial and Engineering Chemistry Research	58	26	11566	11575
414	Khopkar, S., Jachak, M., Shankarling, G.	Novel A2-D-A1-D-A2 type NIR absorbing symmetrical squaraines based on 2, 3, 3, 8-tetramethyl-3H-pyrrolo [3, 2-h] quinoline: Synthesis, photophysical, electrochemical, thermal properties and photostability study	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	211		114	124
415	Banerji, A., Ananthanarayan, L., Lele, S.S.	Dough browning inhibition of multigrain Indian flatbread (chapatti) using a combination of chemical and microwave treatment	2019	Journal of Food Measurement and Characterization	13	1	807	820
416	Arthisree, D.L., Sumathi, R.R., Joshi, G.	Effect of graphene quantum dots on photoluminescence property of polyvinyl butyral nanocomposite	2019	Polymers for Advanced Technologies	30	3	790	798
417	Patil, K.S., Zope, P.H., Patil, U.T., Patil, P.D., Dubey, R.S., Gupta, G.R.	Synthesis and thermophysical studies of polyanilines	2019	Bulletin of Materials Science	42	1		
418	Jogwar, S.S., Mete, S., Mathpati, C.S.	Scheduling of energy-integrated batch process systems using a pattern-based framework	2019	Processes	7	2		
419	Joseph, E.B., Vaidya, P.D.	Kinetics of CO2 absorption by aqueous mixtures of N,N'-diethylethanolamine and polyamines	2019	International Journal of Chemical Kinetics	51	2	131	137
420	Gadipelly, C., Mannepalli, L.K.	Nano-metal oxides for organic transformations	2019	Current Opinion in Green and Sustainable Chemistry	15		20	26
421	Agrawal, P., Laddha, K.	Extraction of colchicine from Gloriosa superba tubers: a comparison of conventional and microwave-assisted extraction	2019	Journal of Microwave Power and Electromagnetic Energy	53	1	57	66
422	Arulkumar, S., Parthiban, S., Goswami, A., Varma, R.S.,	Low temperature processed titanium oxide thin-film using scalable wire-bar coating	2019	Materials Research Express	6	12		

	Naushad, M., Gawande, M.B.							
423	Joshi, H.A., Attar, E.S., Dandekar, P., Devarajan, P.V.	Transferrin Receptor and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		457	480
424	Maity, D., Kandasamy, G.	Superparamagnetic nanoparticles for cancer hyperthermia treatment	2019	Nanotechnology Characterization Tools for Tissue Engineering and Medical Therapy			299	332
425	Pukale, D.D., Bansode, A.S., Jadhav, N.L., Pinjari, D.V., Kulkarni, R.R.	Review on silicone surfactants: Silicone-based Gemini Surfactants, Physicochemical Properties and Applications	2019	Tenside, Surfactants, Detergents	56	4	268	278
426	Chaudhari, H.K., Pahelkar, A.	3D QSAR, docking, molecular dynamics simulations and MM-GBSA studies of extended side chain of the antitubercular drug (6S) 2-nitro-6-{[4-(trifluoromethoxy) benzyl] oxy}-6,7-dihydro-5H-imidazo[2,1-b] [1,3] oxazine	2019	Infectious Disorders - Drug Targets	19	2	145	166
427	Kale, R.D., Jadhav, N.C., Pal, S.	Fabrication of green composites based on rice bran oil and anhydride cross-linkers	2019	Iranian Polymer Journal (English Edition)				
428	Rajput, S.P., Thorat, B.N.	Recovered polyvinyl alcohol as an alternative binder for the production of metallurgical quality coke breeze briquettes	2019	International Journal of Coal Preparation and Utilization				
429	Kamble, S.S., Shankarling, G.S.	Room temperature diazotization and coupling reaction using a DES-ethanol system: A green approach towards the synthesis of monoazo pigments	2019	Chemical Communications	55	42	5970	5973
430	Dhopte, K.B., Mohanapriya, K., Jha, N., Nemade, P.R.	Enhanced electrochemical performance of hyperbranched poly(amidographene)	2019	Energy Storage Materials	16		281	289
431	Jadhav, S.V., Haramkar, S.S., Kamble, A.R., Thorat, B.N.	Insights into dewatering and characterization of the waste activated sludge	2019	Journal of the Taiwan Institute of Chemical Engineers	94		81	87
432	Jadhav, P.P., Kahar, N.M., Dawande, S.G.	Ruthenium(II) Catalysed Highly Regioselective C-3 Alkenylation of Indolizines and Pyrrolo[1,2-a]quinolines	2019	European Journal of Organic Chemistry	2019	48	7831	7835
433	Venkateshwarlu, R., Nath Singh, S., Siddaiah, V., Ramamohan, H., Dandela, R., Pal, M.	Ultrasound assisted one-pot synthesis of 1,2-diaryl azaindoles via Pd/C-Cu catalysis: Identification of potential cytotoxic agents	2019	Tetrahedron Letters	60	52		
434	Yadav, S.B., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	NLO Properties of 2-Napthol Monoazo Disperse Dyes by DFT and Z-Scan Technique – A Detailed Study	2019	ChemistrySelect	4	47	13846	13855
435	Bhagwat, A., Annapure, U.S.	Maternal-neonatal transmission of Enterococcus strains during delivery	2019	Beni-Suef University Journal of Basic and Applied Sciences	8	1		
436	Save, B., Sheikh, A., Goswami, P.	Recent Developments, Challenges, and Possible Action Plans for Electric Vehicle Charging Infrastructure in India	2019	2019 9th International Conference on Power				

				and Energy Systems, ICPES 2019				
437	Chincholi, M.N., Gogate, P.R.	Ultrasound assisted advanced oxidation processes for intensified Acid Green-3 dye degradation	2019	Desalination and Water Treatment	170		308	317
438	Chugh, K., Phalak, G., Mhaske, S.	Preparation and characterization of a polyester-etheramide hot melt adhesive system from renewable resources	2019	International Journal of Adhesion and Adhesives	95			
439	Varmola, E., Bedade, D., Deshaware, S., Ojamo, H., El Haj Assad, M., Shamekh, S.	Evaluation of baking conditions for frozen doughs	2019	Journal of Food Measurement and Characterization	13	4	3307	3317
440	Gupta, K., Parasnis, M., Jain, R., Dandekar, P.	Vector-related stratagems for enhanced monoclonal antibody production in mammalian cells	2019	Biotechnology Advances	37	8		
441	Choudhari, V.G., Odaneth, A.A., Lali, A.M.	Application of high-throughput screening for evaluating hydrolytic potential of cellulases	2019	Biomass Conversion and Biorefinery	9	4	659	667
442	Srivastav, A., Dandekar, P., Jain, R.	Penetration study of oils and its formulations into the human hair using confocal microscopy	2019	Journal of Cosmetic Dermatology	18	6	1947	1954
443	Raikwar, M.M., Mohbiya, D.R., Sekar, N.	N-Ethyl Carbazole Derived D-π-A-π-D Based Fluorophores: Consolidated Spectroscopic, Viscosity and DFT Studies	2019	ChemistrySelect	4	41	11966	11978
444	Sharma, A., Patwardhan, A., Dasgupta, K., Joshi, J.B.	Kinetic study of boron doped carbon nanotubes synthesized using chemical vapour deposition	2019	Chemical Engineering Science	207		1341	1352
445	Kale, R.D., Jadhav, N.C.	Utilization of waste leather for the fabrication of composites and to study its mechanical and thermal properties	2019	SN Applied Sciences	1	10		
446	Gupta, G.R., Nevare, M.R., Patil, A.M., Gite, V.V.	Unprecedented exploration of ionic liquids as additives which astonishes the thermal stability of PVC formulations	2019	Bulletin of Materials Science	42	5		
447	Kale, R.D., Taye, M., Chaudhary, B.	Extraction and characterization of cellulose single fiber from native Ethiopian Serte (Dracaena steudneri Egler) plant leaf	2019	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	56	9	837	844
448	Koli, U., Nilgiriwala, K., Sriraman, K., Jain, R., Dandekar, P.	Targeting tuberculosis infection in macrophages using chitosan oligosaccharide nanoplexes	2019	Journal of Nanoparticle Research	21	9		
449	Gondhalekar, S.C., Shukla, S.R.	Enhanced adsorption performance of oxidised coconut coir for removal of Cd(II) ions by multi-column arrangement in series	2019	Environmental Science and Pollution Research	26	27	28022	28030
450	Patil, B.N., Lade, J.J., Parab, A.A., Sathe, P.A., Vadagaonkar, K.S., Chaskar, A.C.	NBS-assisted an efficient conversion of styrenes to α-hydroxy ketones in water	2019	Tetrahedron Letters	60	27	1788	1791
451	Deorukhkar, A., Ananthanarayan, L.	Consumption of Decorticated Pulses Ensures the Optimum Intake of Isoflavones by the Urban Indian Population	2019	Nutrition and Cancer	71	5	870	880
452	Bawane, A.M., Singhal, R.S.	Extrusion processing for pre-sweetened noodle grits for the preparation of ready-to-prepare kheer: Stability of added intense sweeteners	2019	LWT	108		277	282

453	Raikwar, M.M., Sonigara, K.K., Patil, D.S., Machhi, H., Soni, S.S., Sekar, N.	Biphenyl-Amine-Based D-π-A'-π-A Sensitizers for DSSCs: Comparative Photo-Conversion Efficiency in Iodide/triiodide and Cobalt-Based Redox Electrolyte and DFT Study	2019	ChemistrySelect	4	24	7371	7379
454	Zende, V., Girase, T.R., Chrysochos, N., Schulzke, C., Kapdi, A.R.	Amido-functionalized N-Heterocyclic carbene ligands and corresponding PalladiumComplexes: Synthesis, characterization and catalytic activity	2019	Journal of Organometallic Chemistry	888		44	53
455	Kulkarni, K.S., Ekhande, S.B., Muley, S., Rajput, S., Patwardhan, A.V., Patwardhan, A.W.	Synthesis and characterization of nanofiltration ceramic membranes using alumina doped with spent siliceous material from chemical industry	2019	Separation Science and Technology (Philadelphia)	54	9	1502	1511
456	Suryawanshi, D., Jha, D.K., Shinde, U., Amin, P.D.	Development and validation of a stability-indicating RP-HPLC method of cholecalciferol in bulk and pharmaceutical formulations: Analytical quality by design approach	2019	Journal of Applied Pharmaceutical Science	9	6	21	32
457	Kavadia, M.R., Yadav, M.G., Vadgama, R.N., Odaneth, A.A., Lali, A.M.	Production of trans-free interesterified fat using indigenously immobilized lipase	2019	Preparative Biochemistry and Biotechnology	49	5	444	452
458	Lote, D.A., Vinod, V., Patwardhan, A.W.	110th Anniversary: Numerical Simulations of Gas-Liquid Two-Phase Flow in Vertical Pipe Implementing Population Balance Modeling	2019	Industrial and Engineering Chemistry Research	58	19	8437	8455
459	Navale, G.R., Gohil, K.N., Puppala, K.R., Shinde, S.S., Umbarkar, S., Dharne, M.S.	Rapid and greener method for utilization of Plaster of Paris (POP) waste generated from biomedical samples	2019	International Journal of Environmental Science and Technology	16	5	2475	2480
460	Patil, V., Padalkar, V.S., Sekar, N., Patil, S.V., Rajput, J.	Synthesis of 2-methyl-5-(5-phenyl substituted-1,3,4 oxadiazole-2-yl) quinazolin-4-one fluorescent brightening agent: Computational and experimental comparison of photophysical structure	2019	Journal of Molecular Structure	1182		150	157
461	Molleti, J., Yadav, G.D.	Green synthesis of methyl salicylate using novel sulfated iron oxide–zirconia catalyst	2019	Clean Technologies and Environmental Policy	21	3	533	545
462	Gaikwad, V.V., Bhanage, B.M.	Oxime palladacycle in PEG as a highly efficient and recyclable catalytic system for phenoxycarbonylation of aryl iodides with phenols	2019	Applied Organometallic Chemistry	33	4		
463	Patil, S., Arya, S.S.	Characterization of gluten free flatbread: quality improvement by the addition of hydrocolloids and emulsifiers using simplex centroid design	2019	Journal of Food Measurement and Characterization	13	1	821	830
464	Punjabi, S.B., Barve, D.N., Joshi, N.K., Das, A.K., Kothari, D.C., Ganguli, A.A., Sahasrabhude, S.N., Joshi, J.B.	Computational fluid dynamics (CFD) simulations and experimental measurements in an inductively- coupled plasma generator operating at atmospheric pressure: Performance analysis and parametric study	2019	Processes	7	3		
465	Bansode, A.S., Pukale, D.D., Jadhav, N.L., Sayed, U., Pinjari, D.V.	Sonochemical enzymatic esterification of oleic acid and tri-ethanolamine for a fabric softener in textile application	2019	Chemical Engineering and Processing - Process Intensification	137		128	136

466	Desai, S.V., Bhagwat, S.S.	Synergism and Interfacial Property Study of Sodium Lauryl Ether Sulfate and Polysorbate 80 at the Air–Water Interface	2019	Journal of Surfactants and Detergents	22	2	237	247
467	Purohit, P., Palamthodi, S., Lele, S.S.	Effect of karwanda (Carissa congesta Wight) and sugar addition on physicochemical characteristics of ash gourd (Benincasa hispida) and bottle gourd (Langenaria siceraria) based beverages	2019	Journal of Food Science and Technology	56	2	1037	1045
468	Rajeshirke, M., Kadam, M., Sekar, N.	Solvent and Substituents Effect on the UV/Vis Absorption Spectra of Novel Acidochromic 2-Aminothiazole Based Disperse Mono Azo Dyes	2019	Fibers and Polymers	20	2	320	327
469	Mhadeshwar, N., Wazarkar, K., Sabnis, A.S.	Synthesis and characterization of ricinoleic acid derived monomer and its application in aqueous emulsion and paints thereof	2019	Pigment and Resin Technology	48	1	65	72
470	Shahane, P.S., Jogwar, S.S., Mathpati, C.S.	Robustness Analysis of Heat-Integrated Batch Process Networks	2019	Industrial and Engineering Chemistry Research	58	1	217	227
471	Joshi, J.B., Nayak, A.K.	Preface	2019	Advances of Computational Fluid Dynamics in Nuclear Reactor Design and Safety Assessment			xv	
472	Pund, S., Joshi, A., Patravale, V.	Modulating functionality of beverages through nanostructured interventions	2019	Nanoengineering in the Beverage Industry: Volume 20: The Science of Beverages			197	227
473	Surve, D.H., Dandekar, P., Devarajan, P.V., Jindal, A.B.	Intracellular Delivery: An Overview	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		3	41
474	Pandit, A., Khare, L., Devarajan, P.V., Jain, R., Dandekar, P.	Breast Cancer Receptors and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		79	108
475	Koli, U., Dey, A., Nagendra, P., Devarajan, P.V., Jain, R., Dandekar, P.	Lung Cancer Receptors and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		229	268
476	Lokhande, A.S., Jahagirdar, P., Dandekar, P., Devarajan, P.V.	Scavenger Receptor and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		297	321
477	Das, S., Kudale, P., Dandekar, P., Devarajan, P.V.	Asialoglycoprotein Receptor and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		353	381
478	Gawande, S.M., Sarode, D.D.	Reuse of wastewater to conserve the natural water resources	2019	Lecture Notes in Civil Engineering	21 LNCE		353	367
479	Shah, M.D., Kharkar, P.S., Sahu, N.U., Peerzada, Z., Desai, K.B.	Potassium 2-methoxy-4-vinylphenolate: A novel hit exhibiting quorum-sensing inhibition in: Pseudomonas aeruginosa via LasIR/RhlIR circuitry	2019	RSC Advances	9	69	40228	40239

480	Ghodke, S., Mahajan, P., Gupta, K., Avadhani, C.V., Dandekar, P., Jain, R.	Biodegradable polyester of poly (Ethylene glycol)-sebacic acid as a backbone for β -Cyclodextrin-polyrotaxane: A promising gene silencing vector	2019	Current Gene Therapy	19	4	274	287
481	Ananthanarayan, L., Dubey, K.K., Muley, A.B., Singhal, R.S.	Indian traditional foods: Preparation, processing and nutrition	2019	Food Engineering Series			127	199
482	Gadhave, R.V., Mahanwar, P.A., Gadekar, P.T.	Effect of vinyl silane modification on thermal and mechanical properties of starch-polyvinyl alcohol blend	2019	Designed Monomers and Polymers	22	1	159	163
483	Gawas, S.D., Khan, N., Rathod, V.K.	Application of response surface methodology for lipase catalyzed synthesis of 2-ethylhexyl palmitate in a solvent free system using ultrasound	2019	Brazilian Journal of Chemical Engineering	36	2	1007	1017
484	Rao, P.R., Rathod, V.K.	Microwave Assisted Three Phase Extraction of Andrographolide from Andrographis paniculata	2019	Journal of Biologically Active Products from Nature	9	3	215	226
485	Bagul, R.K., Pilkhwal, D.S., Vijayan, P.K., Joshi, J.B.	Experimental investigations on carryover in a gravity separation-based steam drum	2019	Journal of Nuclear Engineering and Radiation Science	5	1		
486	Kedar, V., Bhagwat, S.S.	Demulsification of crude oil emulsion by capacitative sensor system measurement: introduction to apparatus and methodology	2019	Journal of Dispersion Science and Technology	40	12	1777	1784
487	Gajbhiye, B.D., Sona, C.S., Mathpati, C.S., Patwardhan, A.W., Borgohain, A., Maheshwari, N.K.	Pretest in forced circulation molten salt heat transfer loop: Studies with thermia-B	2019	Heat Transfer - Asian Research	48	8	4354	4372
488	Pandit, P., Singha, K., Jadhav, A., Gayatri, T.N., Dhara, U.	Applications of composites materials for environmental aspects	2019	Composites for Environmental Engineering			33	55
489	Sastry, S.K.C., Jadhav, N.L., Doltade, S.B., Pinjari, D.V.	Effect of concentrated solar radiation on the morphology of the silver nanoparticles and its antibacterial activity	2019	Indian Chemical Engineer	61	4	374	386
490	Yogi, A., Bera, A.K., Mohan, A., Kulkarni, R., Yusuf, S.M., Hoser, A., Tsirlin, A.A., Isobe, M., Thamizhavel, A.	Zigzag spin chains in the spin-5/2 antiferromagnet Ba2Mn(PO4)2	2019	Inorganic Chemistry Frontiers	6	10	2736	2746
491	Pal, E., Minocha, N., Nayak, A.K., Joshi, J.B.	Experimental and numerical study to optimize a design of passive moderator cooling system of an advanced nuclear reactor	2019	Nuclear Engineering and Design	352			
492	Yadav, S.V., Rathod, V.K.	Oxidase-like activity of magnetically separable nano ceria for catechol detection	2019	SN Applied Sciences	1	9		
493	Maji, S., Sahu, A.K.	Effect of viscous dissipation on finding dual solutions for mixed convection boundary layer flow for nanofluid	2019	Heat Transfer - Asian Research	48	6	2557	2576
494	Azmeraw, A., Maiti, S., Biranje, S., Kulkarni, K., Adivarekar, R.V.	Microencapsulation for imparting aroma using artemisia afra leaves on cotton	2019	Asian Dyer	16	3	18	25
495	Bhargude, P.L., Lade, J.J., Patil, B.N., Vadagaonkar, K.S., Chaskar, A.C.	Highly adequate oxidative esterification of α-carbonyl aldehydes with alkyl halides in TBAI/TBHP mediated system	2019	Synthetic Communications	49	10	1325	1333

496	Mukherjee, J., Bhowmick, A.R., Ghosh, P.B., Ray, S.	Impact of environmental factors on the dependency of litter biomass in carbon cycling of Hooghly estuary, India	2019	Ecological Informatics	51		193	200
497	Jadhav, S.D., Ramasami, P., Sekar, N.	Substituent effects on linear and nonlinear optical properties of fluorescent (E)-2-(4-halophenyl)-7-arlstyrylimidazo[1,2-A] pyridine: Spectroscopic and computational methods	2019	Physical Sciences Reviews	4	4		
498	Rajoriya, S., Bargole, S., George, S., Saharan, V.K., Gogate, P.R., Pandit, A.B.	Corrigendum to “Synthesis and characterization of samarium and nitrogen doped TiO2 photocatalysts for photo-degradation of 4-acetamidophenol in combination with hydrodynamic and acoustic cavitation” (Separation and Purification Technology (2019) 209 (254–269), (S1383586618313893) (10.1016/j.seppur.2018.07.036))	2019	Separation and Purification Technology	212		344	346
499	Borkar, B.T., Choubey, S.R., Makode, S.S., Borkar, A.B., Damodare, L.P.	Synthesis and characterization of CaLa x Fe 12-x O 19 by standard ceramic method	2019	Materials Chemistry and Physics	225		406	409
500	Gadgeel, A., Mhaske, S.T.	Synthesis of microporous interconnected polymeric foam of poly (glycidyl methacrylate-co-divinyl benzene-co-butyl acrylate) by using aqueous foam as a template	2019	Colloids and Surfaces A: Physicochemical and Engineering Aspects	563		193	205
501	Kumbhaj, S., Prabhu, V., Patwardhan, A.V.	Studies in Solvent Extraction and Supported Liquid Membrane for Platinum Recovery from Chloride Media by Tris(2-ethylhexyl) Phosphate	2019	Indian Chemical Engineer	61	1	15	27
502	Pant, T., Aware, N., Devarajan, P.V., Jain, R., Dandekar, P.	Receptors for Targeting Gastrointestinal Tract Cancer	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		141	170
503	Kotak, D.J., Todke, P.A., Dandekar, P., Devarajan, P.V.	CD Receptor and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		383	406
504	Joshi, B., Shevade, S.S., Dandekar, P., Devarajan, P.V.	Folate Receptor and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		407	431
505	Gupta, K., Saldanha, M., Parasnis, M., Devarajan, P.V., Jain, R., Dandekar, P.	Toll-Like Receptor-Mediated Endocytosis in Infectious Disease	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		323	349
506	Joshi, J.B., Nayak, A.K.	Advances of computational fluid dynamics in nuclear reactor design and safety assessment	2019	Advances of Computational Fluid Dynamics in Nuclear Reactor Design and Safety Assessment			1	888
507	Parekh, V.J., Rathod, V.K., Pandit, A.B.	Substrate hydrolysis: Methods, mechanism, and industrial applications	2019	Comprehensive Biotechnology			174	189
508	Joshi, J.B., Nayak, A.K., Minocha, N., Pal, E., Kumar, A., Kumar, M., Moharana, A.	Design of passive safety systems for advanced reactors using CFD	2019	Advances of Computational Fluid Dynamics in Nuclear Reactor Design and Safety Assessment			387	485

509	Sarnaik, A., Sawant, K., Khadilkar, J., Pillai, G., Pandit, R., Lali, A.	Cyanobacterial Cell Factories for Improved Carotenoid Biosynthesis through a Synthetic Biology Approach	2019	ACS Symposium Series	1329		23	39
510	Yadav, M.D., Dasgupta, K., Patwardhan, A.W., Joshi, J.B.	Controlling the carbon nanotube type with processing parameters synthesized by floating catalyst chemical vapour deposition	2019	Materials Today: Proceedings	18		1039	1043
511	Kılıçman, A., Borgohain, S., Küçükaslan, M.	Some Tauberian conditions on logarithmic density	2019	Advances in Difference Equations	2019	1		
512	Salame, P.H., Kolte, J.T.	Role of lanthanide substitution on suitable sites in enhancing the properties of various electroceramics	2019	Spectroscopy of Lanthanide Doped Oxide Materials			365	392
513	Patil, S., Sonawane, S.K., Arya, S.S.	A Fuzzy Mathematical Approach for Selection of Surface Coating and Its Effect on Staling Kinetics in a Formulated Gluten-Free Flatbread	2019	Food and Bioprocess Technology	12	11	1955	1965
514	Pawar, A.B., Patankar, K.C., Madiwale, P., Adivarekar, R.	Application of chemically modified waste Allium cepa skin for one bath dyeing of polyester/wool blend fabric	2019	Pigment and Resin Technology	48	6	493	501
515	Nadathur, G.T., Pandit, P., Singha, K.	Fiber-reinforced composites for environmental engineering	2019	Composites for Environmental Engineering			69	98
516	Chatale, B.C., Degani, M.S.	Synthesis and in-vivo taste assessment of meloxicam pivalate	2019	Drug Development and Industrial Pharmacy	45	10	1590	1598
517	Mahajan, G., Jhunjhunwala, R., Khairnar, O., Gupta, S., Kulkarni, K., Adivarekar, R.V.	Kalamkari revamping: Assessment of pretreatment processes and fastness properties	2019	Asian Dyer	16	5	24	29
518	Mannepalli, L.K., Rathod, V.K.	Special Issue: Recent Advances in Green Chemistry and Engineering	2019	Chemical Record	19	9	1781	
519	Kane, P.B., Jagtap, P., Kale, R.D., Rao, A.R.	A facile method for honey mediated bio-synthesis of nickel nanoparticles and its characterisation	2019	Advances in Natural Sciences: Nanoscience and Nanotechnology	10	3		
520	Kale, R.D., Vade, A.	Waterproof coating on polyester	2019	Asian Dyer	16	4	31	36
521	Azmeraw, A., Singh, G.P., Maiti, S., Kulkarni, K., Adivarekar, R.V.	Extraction and characterization of micro-crystalline cellulose from artemisia afra leaves	2019	Asian Dyer	16	4	24	30
522	Indurkar, A.R., Sangoi, V.D., Moon, N.D., Nimbalkar, M.S.	Novel synthesis of ultra-fine Sb_2O_3 nanocubes using plant extract	2019	IET Nanobiotechnology	13	6	593	596
523	Thorat, N., Varma, R., Mundotia, R., Kale, A., Sarawade, P., Mhatre, U., Patel, N.	Photocatalytic activity of nanostructured TiO_2 and N-TiO_2 thin films deposited onto glass using CA-PVD technique	2019	AIP Conference Proceedings	2115			
524	Salame, P.H.	Synthesis and electrical studies of $Na_3Fe(SO_4)_3$ cathode material for sodium ion batteries	2019	AIP Conference Proceedings	2115			

525	Mukherjee, A., Thorat, K.G., Sekar, N., Panda, S.	Change in spectral properties of dyes upon immobilization on silicon surfaces: a combined theoretical and experimental study	2019	SN Applied Sciences	1	7		
526	Bhagwat, A.A., Sekar, N.	Investigation of photophysical, structural aspects and nonlinear optical properties of Foron blue SR analogs using Density Functional Theory (DFT)	2019	Journal of Chemical Sciences	131	7		
527	Mali, C.R., Vinod, V., Patwardhan, A.W.	New methodology for modeling pressure drop and thermal hydraulic characteristics in long vertical boiler tubes at high pressure	2019	Progress in Nuclear Energy	113		215	229
528	Takalkar, G.D., Bhosale, R.R., Mali, N.A., Bhagwat, S.S.	Experimental Investigation of Isothermal Vapor-Liquid Equilibrium and Estimation of Excess Thermodynamic Properties (hE) of CHO2K-H2O from 278.15 to 423.15 K	2019	Journal of Chemical and Engineering Data	64	4	1488	1500
529	Pal, H., Joardar, M., Nikam, S., Lele, S.S.	Fermentative production of nata de mango and incorporation in beverage	2019	Journal of Scientific and Industrial Research	78	4	231	235
530	Gangurde, S.A., Laddha, K.S., Joshi, S.V.	A greener approach to synthesis of diacerein	2019	Indian Drugs	56	4	7	12
531	Azmeraw, A., Mahajan, G., Maiti, S., Kulkarni, K., Adivarekar, R.V.	Antibacterial and uv protective finishes on textiles using Artemisia afra leaf extract	2019	Asian Dyer	16	2	20	24
532	Prasad, M.B.S., Nilaya, J.P., Ghosh, A., Nayak, A.K., Singh, V., Kalburgi, A.K., Biswas, D.J.	Practical techniques to homogenize the feed gas mixture and enhance the laser-jet interaction time in laser assisted aerodynamic separation studies	2019	Review of Scientific Instruments	90	4		
533	Save, S., Chancier, H., Patil, M., Singh, S., Satti, N.K., Chaturbhuj, G., Clement, B.	In-vitro anti-cancer and in-vivo immunomodulatory activity of two new compounds isolated from wheatgrass (Triticum aestivum L.)	2019	Indian Journal of Natural Products and Resources	10	1	9	22
534	Chavan, K.R., Gopalan, S., Marathe, K.V.	Comparative assessment of treatment of malathionlaced wastewater by single species (Pseudomonas stutzeri) vs.activated sludge in a submerged membrane bioreactor	2019	Indian Journal of Chemical Technology	26	2	153	157
535	Shah, D., Rajeshirke, M., Nethi, S.N.	Disperse dyes based on 2-N,N-dibutylamino4-phenyl thiazole: Synthesis, solvatochromism, and dyeing studies	2019	AATCC Journal of Research	6	2	18	24
536	Teli, M.D., Mallick, A.	Economical, ecological and socially acceptable SAP from waste rice grain starch - II	2019	Asian Dyer	16	1	45	48
537	Meena, C.R., Maiti, S., Sekar, N., Kulkarni, K., Adivarekar, R.V.	One-bath dyeing of polyester/cotton blend with vinyl sulphone reactive disperse dyes	2019	Asian Dyer	16	1	26	32
538	Arude, V.G., Deshmukh, S.P., Patil, P.G., Shukla, S.K.	Application of RSM to optimise single locking cotton feeder for enhancing ginning efficiency of double roller gin	2019	Indian Journal of Fibre and Textile Research	44	1	16	23
539	Kaur, N., Gat, Y., Panghal, A.	Cost-Effective Purification and Characterization of an Industrially Important Alkaline Protease from a Newly Isolated Strain of Bacillus sp. ICTF2	2019	Industrial Biotechnology	15	1	20	24
540	Kunde, G.B., Yadav, G.D., Ganguli, A.K.	Environmentally benign synthesis of mesoporous cobaltaluminate nodules as catalyst and its effect on the selective oxidation of benzhydrol to benzophenone	2019	Journal of Environmental Chemical Engineering	7	1		
541	Shirsat, V., Abhinayaa, N., Sabnis, A.	Superhydrophobic polymer coating: A design perspective	2019	Superhydrophobic Polymer Coatings: Fundamentals, Design,			31	42

				Fabrication, and Applications				
542	Arya, S.S., Pegu, K., Sadawarte, P.D.	Bioactive Compounds and Health Benefits of Jamun (Syzygium cumini)	2019	Reference Series in Phytochemistry			2297	2315
543	Raji, S., Sarode, D.D.	Study of suitability of biomass wastes as sustainable fuel	2019	Lecture Notes in Civil Engineering	21 LNCE		562	568
544	Tomke, P.D., Rathod, V.K.	Nanoengineering tools in beverage industry	2019	Nanoengineering in the Beverage Industry: Volume 20: The Science of Beverages			35	69
545	Maithania, H.V., D'Souza, A.A., Dandekar, P., Devarajan, P.V.	Role of Chemokines and Chemokine Receptors in Infectious Diseases and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		271	296
546	John, R., Vaswani, H., Dandekar, P., Devarajan, P.V.	Brain Cancer Receptors and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		45	78
547	Peshattiwar, V., Kaikini, A., Dandekar, P., Devarajan, P.V., Sathaye, S.	In Vitro and In Vivo Models for Cancer and Infectious Diseases	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		483	519
548	Jahagirdar, D., Ghodke, S., Mergu, A., Nikam, A., Devarajan, P.V., Jain, R., Dandekar, P.	Receptors for Targeting Growth Factors for Treatment of Cancers	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		197	228
549	Narvekar, A., Srivastav, A., Tripathi, A., Devarajan, P.V., Jain, R., Dandekar, P.	G-Protein Coupled Receptors in Cancer and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		171	196
550	Devarajan, P.V., Dandekar, P., D'souza, A.A.	Preface	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		vii	viii
551	Gore, M., Puranik, A., Indurkar, A., Sonowal, B., Devarajan, P.V., Jain, R., Dandekar, P.	Cancer of Reproductive System: Receptors and Targeting Strategies	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		109	140
552	Kaikini, A., Peshattiwar, V., Devarajan, P.V., Dandekar, P., Sathaye, S.	Protocols for Cellular Evaluation of Targeted Drug Delivery Systems for Cancer and Infectious Diseases	2019	AAPS Advances in the Pharmaceutical Sciences Series	39		523	544
553	Colombo, M., Fairweather, M., Walker, S.P., Kumar, M., Moharana, A., Nayak, A.K., Joshi, J.B., Dasgupta, A., Chandraker, D.K., Vesa, T., Giteshkumar, P.	CFD model development for two-phase flows	2019	Advances of Computational Fluid Dynamics in Nuclear Reactor Design and Safety Assessment			239	335

554	Joshi, J.B., Nayak, A.K.	Conclusions and future recommendation	2019	Advances of Computational Fluid Dynamics in Nuclear Reactor Design and Safety Assessment			835	849
555	Khambete, M., Murumkar, P., Kumar, A., Darreh-Shori, T., De, S., Yadav, M.R., Degani, M.S.	Pyrazoline containing molecules as multifunctional agents in Alzheimer's disease	2019	Indian Drugs	56	10	22	25
556	Shah, M.D., Kharkar, P.S., Sahu, N.U., Peerzada, Z., Desai, K.B.	Correction: Potassium 2-methoxy-4-vinylphenolate: A novel hit exhibiting quorum-sensing inhibition in Pseudomonas aeruginosa via LasIR/RhlIR circuitry (RSC Advances (2019) 9 (42071) DOI: 10.1039/c9ra90095k)	2019	RSC Advances	9	72	42071	
557	Akhade, M.S., Laddha, K.S.	Quantitative assessment of vasicine and vasicinone in different marketed formulations using hplc	2019	Indian Drugs	56	8	79	80
558	Bandawane, D.D., Jadhav, S.B., Juvekar, A.R.	Exploration of protective effect of hydroalcoholic extract of alstonia scholaris bark in stz-induced early diabetic nephropathy model in rats	2019	Indian Drugs	56	8	69	78
559	Pherwani, P.U., Sathaye, S.	Effect of esculetin on ossification of notochord of zebrafish larvae and amputated caudal fin of zebrafish adults	2019	Indian Drugs	56	6	74	76
560	Bagle, S., Muke, S., Saha, S., Jayakodi, S., Krishnakumar, A., Sathaye, S.	Evaluation of novel and superior formulation CaroTexTM developed by Biofusion Technology	2019	International Journal of Research in Pharmaceutical Sciences	10	3	1868	1873
561	Sekar, N.	Porphyrins in functional applications	2019	Colourage	66	2		
562	Sekar, N.	NIR Active colorants in high end applications	2019	Colourage	66	6		
563	Sekar, N.	Colorants for optoelectronic applications	2019	Colourage	66	5		
564	Sekar, N.	Fluorescent colorants in biology	2019	Colourage	66	1		
565	Sekar, N.	Organic-inorganic hybrids-colorants for functional applications	2019	Colourage	66	3		
566	Patravale, V.B., Upadhaya, P.G., Jain, R.D.	Preparation and characterization of micelles	2019	Methods in Molecular Biology	2000		19	29
567	Paliwal, R., Nagelia, B., Pangarkar, H., Jhaveri, A., Mathpati, C.S.	Application of steady state and transient modeling for characterization of vortex in vertical pump intake for single phase	2019	Lecture Notes in Mechanical Engineering			161	170
568	Gawande, M.B., Fornasiero, P., Zbořil, R.	Carbon-Based Single-Atom Catalysts for Advanced Applications	2020	ACS Catalysis	10	3	2231	2259
569	Sharma, R.K., Yadav, P., Yadav, M., Gupta, R., Rana, P., Srivastava, A., Zbořil, R., Varma, R.S., Antonietti, M., Gawande, M.B.	Recent development of covalent organic frameworks (COFs): Synthesis and catalytic (organic-electro-photo) applications	2020	Materials Horizons	7	2	411	454
570	Nadar, S.S., Vaidya, L., Rathod, V.K.	Enzyme embedded metal organic framework (enzyme–MOF): De novo approaches for immobilization	2020	International Journal of Biological Macromolecules	149		861	876

571	Nadar, S.S., Rathod, V.K.	Immobilization of proline activated lipase within metal organic framework (MOF)	2020	International Journal of Biological Macromolecules	152		1108	1112
572	Mishra, V.R., Ghanavatkar, C.W., Mali, S.N., Chaudhari, H.K., Sekar, N.	Schiff base clubbed benzothiazole: synthesis, potent antimicrobial and MCF-7 anticancer activity, DNA cleavage and computational study	2020	Journal of Biomolecular Structure and Dynamics	38	6	1772	1785
573	Mondal, S., Mohanty, B., Nurhuda, M., Dalapati, S., Jana, R., Addicoat, M., Datta, A., Jena, B.K., Bhaumik, A.	A Thiadiazole-Based Covalent Organic Framework: A Metal-Free Electrocatalyst toward Oxygen Evolution Reaction	2020	ACS Catalysis	10	10	5623	5630
574	Singh, B., Na, J., Konarova, M., Wakihara, T., Yamauchi, Y., Salomon, C., Gawande, M.B.	Functional mesoporous silica nanomaterials for catalysis and environmental applications	2020	Bulletin of the Chemical Society of Japan	93	12	1459	1496
575	Kandy, M.M.	Carbon-based photocatalysts for enhanced photocatalytic reduction of CO2 to solar fuels	2020	Sustainable Energy and Fuels	4	2	469	484
576	Badgujar, K.C., Badgujar, V.C., Bhanage, B.M.	A review on catalytic synthesis of energy rich fuel additive levulinate compounds from biomass derived levulinic acid	2020	Fuel Processing Technology	197			
577	Das, A., Mahanwar, P.	A brief discussion on advances in polyurethane applications	2020	Advanced Industrial and Engineering Polymer Research	3	3	93	101
578	Mahindrakar, K.V., Rathod, V.K.	Ultrasonic assisted aqueous extraction of catechin and gallic acid from Syzygium cumini seed kernel and evaluation of total phenolic, flavonoid contents and antioxidant activity	2020	Chemical Engineering and Processing - Process Intensification	149			
579	Vaidya, L.B., Nadar, S.S., Rathod, V.K.	Entrapment of surfactant modified lipase within zeolitic imidazolate framework (ZIF)-8	2020	International Journal of Biological Macromolecules	146		678	686
580	Biranje, S.S., Madiwale, P.V., Patankar, K.C., Chhabra, R., Bangde, P., Dandekar, P., Adivarekar, R.V.	Cytotoxicity and hemostatic activity of chitosan/carrageenan composite wound healing dressing for traumatic hemorrhage	2020	Carbohydrate Polymers	239			
581	Behera, S., Mahanwar, P.A.	Superabsorbent polymers in agriculture and other applications: a review	2020	Polymer-Plastics Technology and Materials	59	4	341	356
582	Muley, A.B., Singhal, R.S.	Extension of postharvest shelf life of strawberries (Fragaria ananassa) using a coating of chitosan-whey protein isolate conjugate	2020	Food Chemistry	329			
583	Patil, V.V., Gogate, P.R., Bhat, A.P., Ghosh, P.K.	Treatment of laundry wastewater containing residual surfactants using combined approaches based on ozone, catalyst and cavitation	2020	Separation and Purification Technology	239			
584	Wilson, H.M., Ahirrao, D.J., Raheman Ar, S., Jha, N.	Biomass-derived porous carbon for excellent low intensity solar steam generation and seawater desalination	2020	Solar Energy Materials and Solar Cells	215			

585	Patil, N.A., Njuguna, J., Kandasubramanian, B.	UHMWPE for biomedical applications: Performance and functionalization	2020	European Polymer Journal	125			
586	Joshi, S., Joshi, M., Degani, M.S.	Tackling SARS-CoV-2: Proposed targets and repurposed drugs	2020	Future Medicinal Chemistry	12	17	1579	1601
587	Kumar, S., Gawande, M.B., Kopp, J., Kment, S., Varma, R.S., Zbořil, R.	P- and F-co-doped Carbon Nitride Nanocatalysts for Photocatalytic CO2 Reduction and Thermocatalytic Furanics Synthesis from Sugars	2020	ChemSusChem	13	19	5231	5238
588	Ghanavatkar, C.W., Mishra, V.R., Sekar, N., Mathew, E., Thomas, S.S., Joe, I.H.	Benzothiazole pyrazole containing emissive azo dyes decorated with ESIPT core: Linear and non linear optical properties, Z scan, optical limiting, laser damage threshold with comparative DFT studies	2020	Journal of Molecular Structure	1203			
589	Ladole, M.R., Pokale, P.B., Patil, S.S., Belokar, P.G., Pandit, A.B.	Laccase immobilized peroxidase mimicking magnetic metal organic frameworks for industrial dye degradation	2020	Bioresource Technology	317			
590	Wadekar, P.H., Ghosh, A., Khose, R.V., Pethsangave, D.A., Mitra, S., Some, S.	A novel chemical reduction/co-precipitation method to prepare sulfur functionalized reduced graphene oxide for lithium-sulfur batteries	2020	Electrochimica Acta	344			
591	Choudhari, A., Bhanvase, B.A., Saharan, V.K., Salame, P.H., Hunge, Y.	Sonochemical preparation and characterization of rGO/SnO2 nanocomposite: Electrochemical and gas sensing performance	2020	Ceramics International	46	8	11290	11296
592	Sahoo, D., Priyadarshini, P., Aparimita, A., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Role of annealing temperature on optimizing the linear and nonlinear optical properties of As40Se50Ge10films	2020	RSC Advances	10	45	26675	26685
593	Thombre, N.V., Gadhekar, A.P., Patwardhan, A.V., Gogate, P.R.	Ultrasound induced cleaning of polymeric nanofiltration membranes	2020	Ultrasonics Sonochemistry	62			
594	Naikwadi, A.T., Samui, A.B., Mahanwar, P.A.	Melamine-formaldehyde microencapsulated n-Tetracosane phase change material for solar thermal energy storage in coating	2020	Solar Energy Materials and Solar Cells	215			
595	Goswami, A., Kadam, R.G., Tuček, J., Sofer, Z., Bouša, D., Varma, R.S., Gawande, M.B., Zbořil, R.	Fe(0)-embedded thermally reduced graphene oxide as efficient nanocatalyst for reduction of nitro compounds to amines	2020	Chemical Engineering Journal	382			
596	Yadav, V.G., Yadav, G.D., Patankar, S.C.	The production of fuels and chemicals in the new world: critical analysis of the choice between crude oil and biomass vis-à-vis sustainability and the environment	2020	Clean Technologies and Environmental Policy	22	9	1757	1774
597	Patil, S.S., Rathod, V.K.	Synergistic Effect of Ultrasound and Three Phase Partitioning for the Extraction of Curcuminoids from Curcuma longa and its Bioactivity Profile	2020	Process Biochemistry	93		85	93
598	Gogate, P.R., Thanekar, P.D., Oke, A.P.	Strategies to improve biological oxidation of real wastewater using cavitation based pre-treatment approaches	2020	Ultrasonics Sonochemistry	64			
599	Raheman AR, S., Wilson, H.M., Momin, B.M., Annapure, U.S., Jha, N.	CdSe quantum dots modified thiol functionalized g-C3N4: Intimate interfacial charge transfer between 0D/2D nanostructure for visible light H2 evolution	2020	Renewable Energy	158		431	443

600	Gabhane, J.W., Bhange, V.P., Patil, P.D., Bankar, S.T., Kumar, S.	Recent trends in biochar production methods and its application as a soil health conditioner: a review	2020	SN Applied Sciences	2	7		
601	Vollmer, K., Chakraborty, S., Bhalerao, P.P., Carle, R., Frank, J., Steingass, C.B.	Effect of Pulsed Light Treatment on Natural Microbiota, Enzyme Activity, and Phytochemical Composition of Pineapple (Ananas comosus [L.] Merr.) juice	2020	Food and Bioprocess Technology	13	7	1095	1109
602	Sharma, K., Khilari, V., Chaudhary, B.U., Jogi, A.B., Pandit, A.B., Kale, R.D.	Cotton based composite fabric reinforced with waste polyester fibers for improved mechanical properties	2020	Waste Management	107		227	234
603	Pai, R.V., Vavia, P.R.	Chitosan oligosaccharide enhances binding of nanostructured lipid carriers to ocular mucins: Effect on ocular disposition	2020	International Journal of Pharmaceutics	577			
604	Yadav, S.B., Sonvane, S.S., Sekar, N.	Novel blue-green emitting NLOphoric triphenylamine-imidazole based donor-π-acceptor compound: Solvatochromism, DFT, TD-DFT and non-linear optical studies	2020	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	224			
605	Das, D., Bhanage, B.M.	Double Carbonylation Reactions: Overview and Recent Advances	2020	Advanced Synthesis and Catalysis	362	15	3022	3058
606	Ghanavatkar, C.W., Mishra, V.R., Sekar, N.	Benzothiazole-pyridone and benzothiazole-pyrazole clubbed emissive azo dyes and dyeing application on polyester fabric: UPF, biological, photophysical and fastness properties with correlative computational assessments	2020	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	230			
607	Tiwari, S.S., Pal, E., Bale, S., Minocha, N., Patwardhan, A.W., Nandakumar, K., Joshi, J.B.	Flow past a single stationary sphere, 1. Experimental and numerical techniques	2020	Powder Technology	365		115	148
608	Sreekumar, A., Shastri, Y., Wadekar, P., Patil, M., Lali, A.	Life cycle assessment of ethanol production in a rice-straw-based biorefinery in India	2020	Clean Technologies and Environmental Policy	22	2	409	422
609	Frank, J., Fukagawa, N.K., Bilia, A.R., Johnson, E.J., Kwon, O., Prakash, V., Miyazawa, T., Clifford, M.N., Kay, C.D., Crozier, A., Erdman, J.W., Shao, A., Williamson, G.	Terms and nomenclature used for plant-derived components in nutrition and related research: Efforts toward harmonization	2020	Nutrition Reviews	78	6	451	458
610	Gholap, A., Bag, S., Pradhan, S., Kapdi, A.R., Maiti, D.	Diverse meta-C-H Functionalization of Amides	2020	ACS Catalysis	10	9	5347	5352
611	Chandak, S., Ghosh, P.K., Gogate, P.R.	Treatment of real pharmaceutical wastewater using different processes based on ultrasound in combination with oxidants	2020	Process Safety and Environmental Protection	137		149	157

612	Minglani, D., Sharma, A., Pandey, H., Dayal, R., Joshi, J.B., Subramaniam, S.	A review of granular flow in screw feeders and conveyors	2020	Powder Technology	366		369	381
613	Rathod, J.P., Vira, C., Lali, A.M., Prakash, G.	Metabolic Engineering of Chlamydomonas reinhardtii for Enhanced β-Carotene and Lutein Production	2020	Applied Biochemistry and Biotechnology	190	4	1457	1469
614	Thanekar, P., Garg, S., Gogate, P.R.	Hybrid Treatment Strategies Based on Hydrodynamic Cavitation, Advanced Oxidation Processes, and Aerobic Oxidation for Efficient Removal of Naproxen	2020	Industrial and Engineering Chemistry Research	59	9	4058	4070
615	Phadatare, A., Kandasubramanian, B.	Metal Organic Framework Functionalized Fabrics for Detoxification of Chemical Warfare Agents	2020	Industrial and Engineering Chemistry Research	59	2	569	586
616	Patil, S.K., Das, D.	A novel rhodamine-based optical probe for mercury(II) ion in aqueous medium: A nanomolar detection, wide pH range and real water sample application	2020	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	225			
617	Maurya, S.S., Nadar, S.S., Rathod, V.K.	Dual activity of laccase-lysine hybrid organic–inorganic nanoflowers for dye decolourization	2020	Environmental Technology and Innovation	19			
618	Monga, Y., Kumar, P., Sharma, R.K., Filip, J., Varma, R.S., Zbořil, R., Gawande, M.B.	Sustainable Synthesis of Nanoscale Zerovalent Iron Particles for Environmental Remediation	2020	ChemSusChem	13	13	3288	3305
619	Jha, D.K., Shah, D.S., Amin, P.D.	Thermodynamic aspects of the preparation of amorphous solid dispersions of Naringenin with enhanced dissolution rate	2020	International Journal of Pharmaceutics	583			
620	Malkar, R.S., Jadhav, A.L., Yadav, G.D.	Innovative catalysis in Michael addition reactions for C-X bond formation	2020	Molecular Catalysis	485			
621	Karangutkar, A.V., Ananthanarayan, L.	Co-crystallization of Basella rubra extract with sucrose: Characterization of co-crystals and evaluating the storage stability of betacyanin pigments	2020	Journal of Food Engineering	271			
622	Aparimita, A., Naik, R., Sahoo, S., Sripan, C., Ganesan, R.	Influence of low energy Ag ion irradiation for formation of Bi2Se3 phase from Bi/GeSe2 heterostructure thin films	2020	Applied Physics A: Materials Science and Processing	126	3		
623	Lima, T.M., de Macedo, V., Silva, D.S.A., Castelblanco, W.N., Pereira, C.A., Roncolatto, R.E., Gawande, M.B., Zbořil, R., Varma, R.S., Urquieta-González, E.A.	Molybdenum-promoted cobalt supported on SBA-15: Steam and sulfur dioxide stable catalyst for CO oxidation	2020	Applied Catalysis B: Environmental	277			
624	Advani, J.H., Ravi, K., Naikwadi, D.R., Bajaj, H.C., Gawande, M.B., Biradar, A.V.	Bio-waste chitosan-derived N-doped CNT-supported Ni nanoparticles for selective hydrogenation of nitroarenes	2020	Dalton Transactions	49	30	10431	10440

625	Pieta, I.S., Lewalska-Graczyk, A., Pieta, P., Garbarino, G., Busca, G., Holdynski, M., Kalisz, G., Sroka-Bartnicka, A., Nowakowski, R., Naushad, M., Gawande, M.B., Zbořil, R.	Graphitic carbon nitride-nickel catalyst: From material characterization to efficient ethanol electrooxidation	2020	ACS Sustainable Chemistry and Engineering	8	18	7244	7255
626	Bhaumik, S., Bruno, A., Mhaisalkar, S.	Broadband emission from zero-dimensional Cs4PbI6 perovskite nanocrystals	2020	RSC Advances	10	23	13431	13436
627	Patil, N.A., Kandasubramanian, B.	Biological and mechanical enhancement of zirconium dioxide for medical applications	2020	Ceramics International	46	4	4041	4057
628	Mishra, V.R., Ghanavatkar, C.W., Sekar, N.	Towards NIR-Active Hydroxybenzazole (HBX)-Based ESIPT Motifs: A Recent Research Trend	2020	ChemistrySelect	5	6	2103	2113
629	Pethsangave, D.A., Khose, R.V., Wadekar, P.H., Kulal, D.K., Some, S.	One-Pot Synthetic Approach for Magnetically Separable Graphene Nanocomposite for Dye Degradation	2020	ChemistrySelect	5	4	1516	1525
630	Sahoo, D., Priyadarshini, P., Dandela, R., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Optimization of linear and nonlinear optical parameters in As40Se60 film by annealing at different temperature	2020	Optik	219			
631	Baghel, R.S., Suthar, P., Gajaria, T.K., Bhattacharya, S., Anil, A., Reddy, C.R.K.	Seaweed biorefinery: A sustainable process for valorising the biomass of brown seaweed	2020	Journal of Cleaner Production	263			
632	Sawant, S.V., Banerjee, S., Patwardhan, A.W., Joshi, J.B., Dasgupta, K.	Synthesis of boron and nitrogen co-doped carbon nanotubes and their application in hydrogen storage	2020	International Journal of Hydrogen Energy	45	24	13406	13413
633	Khose, R.V., Wadekar, P.H., Pethsangave, D.A., Chakraborty, G., Ray, A.K., Some, S.	Novel approach towards the synthesis of highly efficient flame retardant electrode and oil/organic solvent absorber	2020	Chemosphere	246			
634	Rajput, S.P., Jadhav, S.V., Thorat, B.N.	Methods to improve properties of fuel pellets obtained from different biomass sources: Effect of biomass blends and binders	2020	Fuel Processing Technology	199			
635	Patil, A.M., Jirimali, H.D., Gite, V.V., Jagtap, R.N.	Synthesis and performance of bio-based hyperbranched polyol in polyurethane coatings	2020	Progress in Organic Coatings	149			
636	Korpale, V.S., Deshmukh, S.P., Mathpati, C.S., Dalvi, V.H.	Numerical simulations and optimization of solar air heaters	2020	Applied Thermal Engineering	180			
637	Chavali, K.S., Pethsangave, D.A., Patankar, K.C., Khose, R.V., Wadekar, P.H., Maiti,	Graphene-based intumescent flame retardant on cotton fabric	2020	Journal of Materials Science	55	29	14197	14210

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638	Mane, P.P., Ambekar, R.S., Kandasubramanian, B.	Electrospun nanofiber-based cancer sensors: A review	2020	International Journal of Pharmaceutics	583			
639	Jain, R., Wadekar, P.H., Khose, R.V., Pethsangave, D.A., Some, S.	MnO2@Polyaniline-CNT-boron-doped graphene as a freestanding binder-free electrode material for supercapacitor	2020	Journal of Materials Science: Materials in Electronics	31	11	8385	8393
640	Tomke, P.D., Rathod, V.K.	Facile fabrication of silver on magnetic nanocomposite (Fe3O4@Chitosan –AgNP nanocomposite) for catalytic reduction of anthropogenic pollutant and agricultural pathogens	2020	International Journal of Biological Macromolecules	149		989	999
641	Panadare, D.C., Gondaliya, A., Rathod, V.K.	Comparative study of ultrasonic pretreatment and ultrasound assisted three phase partitioning for extraction of custard apple seed oil	2020	Ultrasonics Sonochemistry	61			
642	Palve, Y.P., Jha, N.	A novel bilayer of copper nanowire and carbon nanotube electrode for highly sensitive enzyme free glucose detection	2020	Materials Chemistry and Physics	240			
643	Jadhav, B.S., Yamgar, R.S., Kenny, R.S., Mali, S.N., Chaudhari, H.K., Mandewale, M.C.	Synthesis, in silico and biological studies of thiazolyl-2h-chromen-2-one derivatives as potent antitubercular agents	2020	Current Computer-Aided Drug Design	16	5	511	522
644	Anuse, D.G., Mali, S.N., Thorat, B.R., Yamgar, R.S., Chaudhari, H.K.	Synthesis, SAR, in silico appraisal and anti-microbial study of substituted 2-aminobenzothiazoles derivatives	2020	Current Computer-Aided Drug Design	16	6	802	813
645	Bhaumik, S., Ray, S., Batabyal, S.K.	Recent advances of lead-free metal halide perovskite single crystals and nanocrystals: synthesis, crystal structure, optical properties, and their diverse applications	2020	Materials Today Chemistry	18			
646	Vaidya, L.B., Nadar, S.S., Rathod, V.K.	Biological metal organic framework (bio-MOF) of glucoamylase with enhanced stability	2020	Colloids and Surfaces B: Biointerfaces	193			
647	Wilson, H.M., Tushar, Raheman Ar, S., Jha, N.	Plant-derived carbon nanospheres for high efficiency solar-driven steam generation and seawater desalination at low solar intensities	2020	Solar Energy Materials and Solar Cells	210			
648	Wadekar, P.H., Khose, R.V., Pethsangave, D.A., Some, S.	Waste-Derived Heteroatom-Doped Activated Carbon/Manganese Dioxide Trio-Composite for Supercapacitor Applications	2020	Energy Technology	8	6		
649	Reshamwala, S.M.S., Lali, A.M.	Exploiting the NADPH pool for xylitol production using recombinant Saccharomyces cerevisiae	2020	Biotechnology Progress	36	3		
650	Ahirrao, D.J., Mohanapriya, K., Wilson, H.M., Jha, N.	Solar reduced porous graphene incorporated within polyaniline network for high-performance supercapacitor electrode	2020	Applied Surface Science	510			
651	Joshi, J.H., Vadhel, K.V., Joshi, G.M., Kalainathan, S., Joshi, M.J., Jethva, H.O., Parikh, K.D.	Growth and characterization of pure and picric acid doped ADP single crystals	2020	Chinese Journal of Physics	64		138	162
652	Ayare, S.D., Gogate, P.R.	Sonophotocatalytic oxidation based treatment of phthalocyanine pigment containing industrial wastewater intensified using oxidising agents	2020	Separation and Purification Technology	233			
653	Agarwal, A., Mhatre, A., Pandit, R., Lali, A.M.	Synergistic biorefinery of Scenedesmus obliquus and Ulva lactuca in poultry manure towards sustainable bioproduct generation	2020	Bioresource Technology	297			

654	Nakhate, P.H., Moradiya, K.K., Patil, H.G., Marathe, K.V., Yadav, G.D.	Case study on sustainability of textile wastewater treatment plant based on lifecycle assessment approach	2020	Journal of Cleaner Production	245			
655	Akolkar, S.V., Kharat, N.D., Nagargoje, A.A., Subhedar, D.D., Shingate, B.B.	Ultrasound-Assisted β-Cyclodextrin Catalyzed One-Pot Cascade Synthesis of Pyrazolopyranopyrimidines in Water	2020	Catalysis Letters	150	2	450	460
656	Gore, P.M., Gawali, P., Naebe, M., Wang, X., Kandasubramanian, B.	Polycarbonate and activated charcoal-engineered electrospun nanofibers for selective recovery of oil/solvent from oily wastewater	2020	SN Applied Sciences	2	11		
657	Thanekar, P., Lakshmi, N.J., Shah, M., Gogate, P.R., Znak, Z., Sukhatskiy, Y., Mnykh, R.	Degradation of dimethoate using combined approaches based on hydrodynamic cavitation and advanced oxidation processes	2020	Process Safety and Environmental Protection	143		222	230
658	Pethsangave, D.A., Wadekar, P.H., Khose, R.V., Some, S.	Super-hydrophobic carrageenan cross-linked graphene sponge for recovery of oil and organic solvent from their water mixtures	2020	Polymer Testing	90			
659	Andačić, I.M., Tot, A., Ivešić, M., Krivohlavek, A., Thirumdas, R., Barba, F.J., Sabolović, M.B., Kljusurić, J.G., Brnčić, S.R.	Exposure of the Croatian adult population to acrylamide through bread and bakery products	2020	Food Chemistry	322			
660	Yadav, G.D., Wagh, D.P.	Claisen-Schmidt Condensation using Green Catalytic Processes: A Critical Review	2020	ChemistrySelect	5	29	9059	9085
661	Paraskar, P.M., Prabhudesai, M.S., Deshpande, P.S., Kulkarni, R.D.	Utilization of oleic acid in synthesis of epoxidized soybean oil based green polyurethane coating and its comparative study with petrochemical based polyurethane	2020	Journal of Polymer Research	27	8		
662	Daware, G.B., Gogate, P.R.	Adsorption of 3-Aminopyridine (3AP) from aqueous solution using sugarcane bagasse activated carbon (SBAC)	2020	Environmental Technology and Innovation	19			
663	Katariya, P., Arya, S.S., Pandit, A.B.	Novel, non-thermal hydrodynamic cavitation of orange juice: Effects on physical properties and stability of bioactive compounds	2020	Innovative Food Science and Emerging Technologies	62			
664	Arora, S., Mestry, S., Naik, D., Mhaske, S.T.	o-Phenylenediamine-derived phosphorus-based cyclic flame retardant for epoxy and polyurethane systems	2020	Polymer Bulletin	77	6	3185	3205
665	Pandiyaraj, K.N., Vasu, D., Padmanabhan, P.V.A., Ghobeira, R., Tabaei, P.S.E., Cools, P., De Geyter, N., Morent, R., Deshmukh, R.R., Pichumani, M.	Synergetic effect of the catalytic action of plasma jet deposited TiOx coatings and atmospheric pressure plasma treatment on the degradation of RYRR	2020	Surface and Coatings Technology	389			
666	Tiwari, S.S., Pal, E., Bale, S., Minocha, N., Patwardhan,	Flow past a single stationary sphere, 2. Regime mapping and effect of external disturbances	2020	Powder Technology	365		215	243

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667	Jamadar, A., Karan, C.K., Roy, L., Das, A.	Structurally Tunable pH-Responsive Luminescent Assemblies from Halogen Bonded Supra-π-amphiphiles	2020	Langmuir	36	12	3089	3095
668	Ayare, N.N., Shukla, V.K., Sekar, N.	Charge transfer and nonlinear optical properties of anthraquinone D-π-A dyes in relation with the DFT based molecular descriptors and perturbational potential	2020	Computational and Theoretical Chemistry	1174			
669	Desale, V.J., Mali, S.N., Chaudhari, H.K., Mali, M.C., Thorat, B.R., Yamgar, R.S.	Synthesis and anti-mycobacterium study on halo-substituted 2-aryl oxyacetohydrazones	2020	Current Computer-Aided Drug Design	16	5	618	628
670	Kahar, N., Jadhav, P., Reddy, R.V.R., Dawande, S.	A rhodium(ii) catalysed domino synthesis of azepino fused diindoles from isatin tethered: N -sulfonyl-1,2,3-triazoles and indoles	2020	Chemical Communications	56	8	1207	1210
671	Gaonkar, A.A., Murudkar, V.V., Deshpande, V.D.	Comparison of crystallization kinetics of polyethylene terephthalate (PET) and reorganized PET	2020	Thermochimica Acta	683			
672	Garg, D., Chakraborty, S., Gokhale, J.S.	Optimizing the extraction of protein from Prosopis cineraria seeds using response surface methodology and characterization of seed protein concentrate	2020	LWT	117			
673	Bhagwat, A., Padalia, U.	Optimization of prodigiosin biosynthesis by Serratia marcescens using unconventional bioresources	2020	Journal of Genetic Engineering and Biotechnology	18	1		
674	Shakeelur Raheman, A.R., Wilson, H.M., Momin, B.M., Annapure, U.S., Jha, N.	TiO2 nanosheet/ultra-thin layer g-C3N4 core-shell structure: Bifunctional visible-light photocatalyst for H2 evolution and removal of organic pollutants from water	2020	Applied Surface Science	528			
675	Daware, G.B., Gogate, P.R.	Sonochemical degradation of 3-methylpyridine (3MP) intensified using combination with various oxidants	2020	Ultrasonics Sonochemistry	67			
676	Upadhaya, P.G., Pulakkat, S., Patravale, V.B.	Nose-to-brain delivery: exploring newer domains for glioblastoma multiforme management	2020	Drug Delivery and Translational Research	10	4	1044	1056
677	Maurya, S.S., Nadar, S.S., Rathod, V.K.	A rapid self-assembled hybrid bio-microflowers of alpha–amylase with enhanced activity	2020	Journal of Biotechnology	317		27	33
678	Kulkarni, H.B., Tambe, P.B., Joshi, G.M.	Influence of surfactant assisted exfoliation of hexagonal boron nitride nanosheets on mechanical, thermal and dielectric properties of epoxy Nanocomposites	2020	Composite Interfaces	27	6	529	550
679	Kale, R.D., Getachew Alemayehu, T., Gorade, V.G.	Extraction and Characterization of Lignocellulosic Fibers from Girardinia Bullosa (Steudel) Wedd. (Ethiopian Kusha Plant)	2020	Journal of Natural Fibers	17	6	906	920
680	Ayare, N.N., Sharma, S., Sonigara, K.K., Prasad, J., Soni, S.S., Sekar, N.	Synthesis and computational study of coumarin thiophene-based D-π-A azo bridge colorants for DSSC and NLOphoric application	2020	Journal of Photochemistry and Photobiology A: Chemistry	394			
681	Sinhmar, P.S., Gogate, P.R.	Ultrasound assisted oxidative deep-desulfurization of dimethyl disulphide from turpentine	2020	Ultrasonics Sonochemistry	63			
682	Shah, N., Usvalampi, A., Chaudhary, S., Seppänen-Laakso, T., Marathe, S.,	An investigation on changes in composition and antioxidant potential of mature and immature summer truffle (Tuber aestivum)	2020	European Food Research and Technology	246	4	723	731

	Bankar, S., Singhal, R., Shamekh, S.							
683	Sita V G, Vavia, P.	Bromocriptine Nanoemulsion-Loaded Transdermal Gel: Optimization Using Factorial Design, In Vitro and In Vivo Evaluation	2020	AAPS PharmSciTech	21	3		
684	Raut, A.B., Shende, V.S., Sasaki, T., Bhanage, B.M.	Reductive amination of levulinic acid to N-substituted pyrrolidones over RuCl3 metal ion anchored in ionic liquid immobilized on graphene oxide	2020	Journal of Catalysis	383		206	214
685	Lavande, N.R., More, R.K., More, P.M.	Mg modified MnOx-CeO2-δ catalyst for low temperature complete oxidation of simulated diesel engine exhaust	2020	Applied Surface Science	502			
686	Kaur, R., Arora, N., Jamakhani, M.A., Malik, S., Kumar, P., Anjum, F., Tripathi, S., Mishra, A., Prasad, A.	Development of multi-epitope chimeric vaccine against Taenia solium by exploring its proteome: an in silico approach	2020	Expert Review of Vaccines	19	1	105	114
687	Muley, A.B., Mulchandani, K.H., Singhal, R.S.	Immobilization of enzymes on iron oxide magnetic nanoparticles: Synthesis, characterization, kinetics and thermodynamics	2020	Methods in Enzymology	630		39	79
688	Mestry, S.N., Gawali, N.B., Pai, S.A., Gursahani, M.S., Dhodi, J.B., Munshi, R., Juvekar, A.R.	Punica granatum improves renal function in gentamicin-induced nephropathy in rats via attenuation of oxidative stress	2020	Journal of Ayurveda and Integrative Medicine	11	1	16	23
689	Chakraborty, S., Ghag, S., Bhalerao, P.P., Gokhale, J.S.	The potential of pulsed light treatment to produce enzymatically stable Indian gooseberry (Emblica officinalis Gaertn.) juice with maximal retention in total phenolics and vitamin C	2020	Journal of Food Processing and Preservation	44	12		
690	Varma, R., Chaurasia, S., Patel, N., Bhanage, B.M.	Interplay of adsorption, photo-absorption, electronic structure and charge carrier dynamics on visible light driven photocatalytic activity of Bi2MoO6/rGO (0D/2D) heterojunction	2020	Journal of Environmental Chemical Engineering	8	6		
691	Paraskar, P.M., Hatkar, V.M., Kulkarni, R.D.	Facile synthesis and characterization of renewable dimer acid-based urethane acrylate oligomer and its utilization in UV-curable coatings	2020	Progress in Organic Coatings	149			
692	Paraskar, P.M., Prabhudesai, M.S., Kulkarni, R.D.	Synthesis and characterizations of air-cured polyurethane coatings from vegetable oils and itaconic acid	2020	Reactive and Functional Polymers	156			
693	Bhakare, M.A., Wadekar, P.H., Khose, R.V., Bondarde, M.P., Some, S.	Eco-friendly biowaste-derived graphitic carbon as black pigment for conductive paint	2020	Progress in Organic Coatings	147			
694	Khaire, R.A., Gogate, P.R.	Optimization of ultrafiltration of whey using Taguchi method for maximizing recovery of lactose	2020	Separation and Purification Technology	248			
695	Behera, M., Mishra, N.C., Khan, S.A., Naik, R.	Influence of 120 MeV Ag swift heavy ion irradiation on the optical and electronic properties of As-Se-Bi chalcogenide thin films	2020	Journal of Non-Crystalline Solids	544			
696	Zambare, R.S., Dhopte, K.B., Nemade, P.R., Tang, C.Y.	Effect of oxidation degree of GO nanosheets on microstructure and performance of polysulfone-GO mixed matrix membranes	2020	Separation and Purification Technology	244			

697	Pawar, S.V., Rathod, V.K.	Role of ultrasound in assisted fermentation technologies for process enhancements	2020	Preparative Biochemistry and Biotechnology	50	6	627	634
698	Jahagirdar, P.S., Gupta, P.K., Kulkarni, S.P., Devarajan, P.V.	Intramacrophage Delivery of Dual Drug Loaded Nanoparticles for Effective Clearance of Mycobacterium tuberculosis	2020	Journal of Pharmaceutical Sciences	109	7	2262	2270
699	Sadgar, A.L., Deore, T.S., Jayaram, R.V.	Pickering Interfacial Catalysis-Knoevenagel Condensation in Magnesium Oxide-Stabilized Pickering Emulsion	2020	ACS Omega	5	21	12224	12235
700	Joshi, J.H., Vadhel, K.V., Joshi, G.M., Joshi, M.J., Jethva, H.O., Parikh, K.D.	The complex impedance, dielectric relaxation, complex modulus and photoluminescence studies of pure and L-Methionine doped ammonium dihydrogen phosphate	2020	Chinese Journal of Physics	65		268	291
701	Patil, S., Prakash, G., Lali, A.M.	Reduced chlorophyll antenna mutants of Chlorella saccharophila for higher photosynthetic efficiency and biomass productivity under high light intensities	2020	Journal of Applied Phycology	32	3	1559	1567
702	Thanekar, P., Gogate, P.R.	Improved processes involving hydrodynamic cavitation and oxidants for treatment of real industrial effluent	2020	Separation and Purification Technology	239			
703	Satdive, A., Mestry, S., Borse, P., Mhaske, S.	Phosphorus- and silicon-containing amino curing agent for epoxy resin	2020	Iranian Polymer Journal (English Edition)	29	5	433	443
704	Yadav, A., Mahaboob Ali, A.A., Ingawale, M., Raychaudhuri, S., Gantayet, L.M., Pandit, A.	Enhanced co-production of pectinase, cellulase and xylanase enzymes from Bacillus subtilis ABDR01 upon ultrasonic irradiation	2020	Process Biochemistry	92		197	201
705	Ayare, N.N., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	NLO characteristics of D-π-A coumarin-thiophene bridged azo dyes by Z-scan and DFT methods	2020	Molecular Physics	118	8		
706	Prabhudesai, M.S., Paraskar, P.M., Kedar, R., Kulkarni, R.D.	Sea Buckthorn Oil Tocopherol Extraction's By-Product Utilization in Green Synthesis of Polyurethane Coating	2020	European Journal of Lipid Science and Technology	122	4		
707	Memon, N., Gat, Y., Arya, S., Waghmare, R.	Combined effect of chemical preservative and different doses of irradiation on green onions to enhance shelf life	2020	Journal of the Saudi Society of Agricultural Sciences	19	3	207	215
708	Naik, R., Aparimita, A., Alagarasan, D., Varadharajaperumal, S., Ganesan, R.	Linear and nonlinear optical properties change in Ag/GeS heterostructure thin films by thermal annealing and laser irradiation	2020	Optical and Quantum Electronics	52	3		
709	Mandal, D., Dabhade, P.A., Kulkarni, N.	Estimation of effective thermal conductivity of packed bed with internal heat generation	2020	Fusion Engineering and Design	152			
710	Ayare, N.N., Ghanavatkar, C., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	Z-scan and DFT approach for investigating the NLO properties of imidazole fused anthraquinone dyes	2020	Journal of Photochemistry and Photobiology A: Chemistry	390			

711	Aparimita, A., Khan, P., Aswin, J.R., Adarsh, K.V., Naik, R.	Role of thermal and photoannealing on nonlinear optical response of Ge30Se55Bi15 thin films	2020	Journal of Applied Physics	127	7		
712	Gadalkar, S.M., Rathod, V.K.	Extraction of watermelon seed proteins with enhanced functional properties using ultrasound	2020	Preparative Biochemistry and Biotechnology	50	2	133	140
713	Sayyed, A.J., Mohite, L.V., Deshmukh, N.A., Pinjari, D.V.	Intensification of lyocell dissolution process and dope characteristics using pre-swelled cellulosic pulp	2020	Chemical Engineering and Processing - Process Intensification	148			
714	Kale, R.D., Gorade, V.G., Parmaj, O.	Development and characterization study of silk filament reinforced chitosan biocomposite	2020	Journal of Natural Fibers	17	1	66	74
715	Singh, H.K., Patil, T., Vineeth, S.K., Das, S., Pramanik, A., Mhaske, S.T.	Isolation of microcrystalline cellulose from corn stover with emphasis on its constituents: Corn cover and corn cob	2020	Materials Today: Proceedings	27		589	594
716	Vaidya, L.B., Nadar, S.S., Rathod, V.K.	Metal-organic frameworks (MOFs) for enzyme immobilization	2020	Metal-Organic Frameworks for Biomedical Applications			491	523
717	Shinde, S.S., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	Spectroscopic, DFT and Z-scan approach to study linear and nonlinear optical properties of Disperse Red 277	2020	Optical Materials	99			
718	Sonar, M.P., Rathod, V.K.	Microwave assisted extraction (MAE) used as a tool for rapid extraction of Marmelosin from Aegle marmelos and evaluations of total phenolic and flavonoids content, antioxidant and anti-inflammatory activity	2020	Chemical Data Collections	30			
719	Bhalerao, P.P., Mahale, S.A., Dhar, R., Chakraborty, S.	Optimizing the formulation for a pomegranate-amla-muskmelon based mixed fruit beverage using sensory analysis and evaluating its thermal stability	2020	LWT	133			
720	Arya, S.S., Sawant, O., Sonawane, S.K., Show, P.L., Waghamare, A., Hilares, R., Santos, J.C.D.	Novel, Nonthermal, Energy Efficient, Industrially Scalable Hydrodynamic Cavitation–Applications in Food Processing	2020	Food Reviews International	36	7	668	691
721	Pandey, P.H., Pawar, H.S.	Cu dispersed TiO2catalyst for direct hydrogenation of carbon dioxide into formic acid	2020	Journal of CO2 Utilization	41			
722	Lodha, A., Pawar, S., Rathod, V.	Optimised cellulase production from fungal co-culture of Trichoderma reesei NCIM 1186 and Penicillium citrinum NCIM 768 under solid state fermentation	2020	Journal of Environmental Chemical Engineering	8	5		
723	Raheman AR, S., Momin, B.M., Wilson, H.M., Annapure, U.S., Jha, N.	Optimal fabrication of 0D/1D Cu2O quantum dots sensitized CdS nanorods heterojunction: Efficient photoredox catalyst for H2 generation under visible light irradiation	2020	Journal of Alloys and Compounds	835			
724	Wadekar, P.H., Khose, R.V., Pethsangave, D.A., Some, S.	The Effect of Bio-inspired Co-electrolytes for Enhancement of Electrochemical Properties of Supercapacitors	2020	Energy and Environmental Materials	3	3	429	435

725	Sayyed, A.J., Gupta, D., Deshmukh, N.A., Mohite, L.V., Pinjari, D.V.	Influence of intensified cellulose dissolution process on spinning and properties of lyocell fibres	2020	Chemical Engineering and Processing - Process Intensification	155			
726	Sripan, C., Alagarasan, D., Varadharajaperumal, S., Ganesan, R., Naik, R.	Influence of solvent on solution processed Cu2ZnSnS4 nanocrystals and annealing induced changes in the optical, structural properties of CZTS film	2020	Current Applied Physics	20	8	925	930
727	Mahajan, T., Bangde, P., Dandekar, P., Jain, R.	Greener approach for synthesis of N,N,N-trimethyl chitosan (TMC) using ternary deep eutectic solvents (TDESs)	2020	Carbohydrate Research	493			
728	Lahiri, S., Bhardwaj, R.L., Mandal, D., Gogate, P.R.	Intensified dissolution of uranium from graphite substrate using ultrasound	2020	Ultrasonics Sonochemistry	65			
729	Gadkari, Y.U., Hatvate, N.T., Takale, B.S., Telvekar, V.N.	Concentrated solar radiation as a renewable heat source for a preparative-scale and solvent-free Biginelli reaction	2020	New Journal of Chemistry	44	20	8167	8170
730	Chhabra, R., Peshattiwar, V., Pant, T., Deshpande, A., Modi, D., Sathaye, S., Tibrewala, A., Dyawanapelly, S., Jain, R., Dandekar, P.	In Vivo Studies of 3D Starch-Gelatin Scaffolds for Full-Thickness Wound Healing	2020	ACS Applied Bio Materials	3	5	2920	2929
731	Bajaj, S.R., Singhal, R.S.	Degradation kinetics of vitamin B12 in model systems of different pH and extrapolation to carrot and lime juices	2020	Journal of Food Engineering	272			
732	Chaurasia, S.R., Dange, R., Bhanage, B.M.	Graphene oxide as a carbo-catalyst for the synthesis of tri-substituted 1,3,5-triazines using biguanides and alcohols	2020	Catalysis Communications	137			
733	Jorge, E.Y.C., Lima, C.G.S., Lima, T.M., Marchini, L., Gawande, M.B., Tomanec, O., Varma, R.S., Paixão, M.W.	Sulfonated dendritic mesoporous silica nanospheres: A metal-free Lewis acid catalyst for the upgrading of carbohydrates	2020	Green Chemistry	22	5	1754	1762
734	Joshi, S.M., Gogate, P.R.	Intensification of dilute acid hydrolysis of spent tea powder using ultrasound for enhanced production of reducing sugars	2020	Ultrasonics Sonochemistry	61			
735	Kotak, D.J., Devarajan, P.V.	Bone targeted delivery of salmon calcitonin hydroxyapatite nanoparticles for sublingual osteoporosis therapy (SLOT)	2020	Nanomedicine: Nanotechnology, Biology, and Medicine	24			
736	Phatake, V.V., Mishra, A.A., Bhanage, B.M.	UiO-66 as an efficient catalyst for N-formylation of amines with CO2 and dimethylamine borane as a reducing agent	2020	Inorganica Chimica Acta	501			
737	Ghungrud, S.A., Vaidya, P.D.	Improved Hydrogen Production from Sorption-Enhanced Steam Reforming of Ethanol (SESRE) Using Multifunctional Materials of Cobalt Catalyst and Mg-, Ce-, and Zr-Modified CaO Sorbents	2020	Industrial and Engineering Chemistry Research	59	2	693	703
738	Patil, A.M., Jirimali, H.D., Jagtap, R.N.	Study of coating performance of bio-based hyperbranched polyester polyol/graphene oxide composites in PU-coating	2020	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	58	2	81	89
739	Gharat, N.N., Rathod, V.K.	Ultrasound-assisted organic synthesis	2020	Green Sustainable Process for Chemical			1	41

				and Environmental Engineering and Science: Sonochemical Organic Synthesis				
740	Mali, A.S., Sharma, A.B., Chaturbhuj, G.U.	Sulfated Polyborate Catalyzed Selective Friedlander Annulation for Synthesis of Highly Functionalized Quinolines	2020	Organic Preparations and Procedures International			297	303
741	Marathe, S.J., Shah, N.N., Singhal, R.S.	Enzymatic synthesis of fatty acid esters of trehalose: Process optimization, characterization of the esters and evaluation of their bioactivities	2020	Bioorganic Chemistry	94			
742	Patel, M., Mestry, S., Khuntia, S.P., Mhaske, S.	Gallic acid-derived phosphorus-based flame-retardant multifunctional crosslinking agent for PU coating	2020	Journal of Coatings Technology and Research	17	1	293	303
743	Sheth, P., Mestry, S., Dave, D., Mhaske, S.	Isosorbide-derived boron- and phosphorus-containing precursors for flame-retardant epoxy coating	2020	Journal of Coatings Technology and Research	17	1	231	241
744	Mozammel, T., Dumbre, D., Hubesch, R., Yadav, G.D., Selvakannan, P.R., Bhargava, S.K.	Carbon dioxide reforming of methane over mesoporous alumina supported Ni(Co), Ni(Rh) bimetallic, and Ni(CORh) trimetallic catalysts: Role of nanoalloying in improving the stability and nature of coking	2020	Energy and Fuels	34	12	16433	16444
745	Babu, R., Raj, S., Bhattacharyya, B.	Weak bus-constrained PMU placement for complete observability of a connected power network considering voltage stability indices	2020	Protection and Control of Modern Power Systems	5	1		
746	Bondarde, M.P., Wadekar, P.H., Some, S.	Synthesis of sulfur doped carbon nanoparticle for the improvement of supercapacitive performance	2020	Journal of Energy Storage	32			
747	Dhar, R., Chakraborty, S.	Influence of voltage and distance on quality attributes of mixed fruit beverage during pulsed light treatment and kinetic modeling	2020	Journal of Food Process Engineering	43	11		
748	Devi K R, S., Mathew, S., Rajan, R., Georgekutty, J., Pinheiro, D., Ananthapadmanabhan, U., Sundararajan, M.	Synthesis and characterization of CeO2/Bi2O3/gC3N4 ternary Z-scheme nanocomposite	2020	International Journal of Applied Ceramic Technology	17	5	2346	2356
749	Gupta, S.S.R., Vinu, A., Kantam, M.L.	Copper-catalyzed oxidative methyl-esterification of 5-hydroxymethylfurfural using TBHP as an oxidizing and methylating reagent: A new approach for the synthesis of furan-2,5-dimethylcarboxylate	2020	Journal of Catalysis	389		259	269
750	Jaiswal, G., Landge, V.G., Subaramanian, M., Kadam, R.G., Zbořil, R., Gawande, M.B., Balaraman, E.	N-Graphitic Modified Cobalt Nanoparticles Supported on Graphene for Tandem Dehydrogenation of Ammonia-Borane and Semihydrogenation of Alkynes	2020	ACS Sustainable Chemistry and Engineering	8	30	11058	11068
751	Tambat, S.N., Ahirrao, D.J., Pandit, A.B., Jha, N., Sontakke, S.M.	Hydrothermally synthesized N2-UiO-66 for enhanced and selective adsorption of cationic dyes	2020	Environmental Technology and Innovation	19			

752	Sita, V.G., Jadhav, D., Vavia, P.	Niosomes for nose-to-brain delivery of bromocriptine: Formulation development, efficacy evaluation and toxicity profiling	2020	Journal of Drug Delivery Science and Technology	58			
753	Peshattiwar, V., Muke, S., Kaikini, A., Bagle, S., Dighe, V., Sathaye, S.	Mechanistic evaluation of Ursolic acid against rotenone induced Parkinson's disease– emphasizing the role of mitochondrial biogenesis	2020	Brain Research Bulletin	160		150	161
754	Yadav, M.D., Dasgupta, K.	Role of sulfur source on the structure of carbon nanotube cotton synthesized by floating catalyst chemical vapour deposition	2020	Chemical Physics Letters	748			
755	Bagul, V.P., Annapure, U.S.	Effect of sequential recycling of spent media wastewater on docosahexaenoic acid production by newly isolated strain Aurantiochytrium sp. ICTFD5	2020	Bioresource Technology	306			
756	Kumari, S., Vira, C., Lali, A.M., Prakash, G.	Heterologous expression of a mutant Orange gene from Brassica oleracea increases carotenoids and induces phenotypic changes in the microalga Chlamydomonas reinhardtii	2020	Algal Research	47			
757	Ogunyewo, O.A., Randhawa, A., Joshi, M., Jain, K.K., Wadekar, P., Odaneth, A.A., Lali, A.M., Yazdani, S.S.	Engineered Penicillium funiculosum produces potent lignocellulolytic enzymes for saccharification of various pretreated biomasses	2020	Process Biochemistry	92		49	60
758	Yadav, S.B., Taware, S., Sreenath, M.C., Chitrambalam, S., Joe, I.H., Sekar, N.	Experimental and theoretical investigation of linear and nonlinear optical properties of ethyl-3-hydroxy-2-napthoate azo dyes by solvatochromic, computational aspects, and Z-scan technique	2020	Journal of Physical Organic Chemistry	33	5		
759	Mestri, R.S., Pratap, A.P., Panchal, K.H., Gamot, K., Datir, K.A.	Synthesis of cleavable silicone surfactant for water-repellent application	2020	Chemical Papers	74	5	1407	1416
760	Upadhyay, P., Singh, N.K., Tupe, R., Odenath, A., Lali, A.	Biotransformation of corn bran derived ferulic acid to vanillic acid using engineered Pseudomonas putida KT2440	2020	Preparative Biochemistry and Biotechnology	50	4	341	348
761	Ghungrud, S.A., Vaidya, P.D.	Sorption-enhanced reaction process for glycerol-to-hydrogen conversion over cobalt catalyst supported on promoted hydrotalcites	2020	International Journal of Hydrogen Energy	45	16	9440	9450
762	Barge, A.S., Vaidya, P.D.	Kinetics of wet air oxidation of sodium sulfide over heterogeneous iron catalyst	2020	International Journal of Chemical Kinetics	52	2	92	98
763	Paraskar, P.M., Kulkarni, R.D.	Synthesis of Isostearic Acid/Dimer Fatty Acid-Based Polyesteramide Polyol for the Development of Green Polyurethane Coatings	2020	Journal of Polymers and the Environment				
764	Anuse, D.G., Thorat, B.R., Sawant, S., Yamgar, R.S., Chaudhari, H.K., Mali, S.N.	Synthesis, sar, molecular docking and anti-microbial study of substituted n-bromoamido-2-aminobenzothiazoles	2020	Current Computer-Aided Drug Design	16	5	530	540
765	Agre, N., Khambete, M., Maitra, A., Gupta, A., Munshi, T., Bhakta, S., Degani, M.	Exploration of 5-(5-nitrothiophen-2-yl)-4,5-dihydro-1H-pyrazoles as selective, multitargeted antimycobacterial agents	2020	Chemical Biology and Drug Design	95	1	192	199
766	Khopkar, S., Shankarling, G.	Squaric acid: an impressive organocatalyst for the synthesis of biologically relevant 2,3-dihydro-1H-perimidines in water	2020	Journal of Chemical Sciences	132	1		

767	Khan, N.R., Rathod, V.K.	Microwave mediated lipase-catalyzed synthesis of n-butyl palmitate and thermodynamic studies	2020	Biocatalysis and Agricultural Biotechnology	29			
768	Bhaumik, S.	Exciton Relaxation Dynamics in Perovskite Cs4PbBr6Nanocrystals	2020	ACS Omega	5	35	22299	22304
769	Sindhu, R., Shiburaj, S., Sabu, A., Fernandes, P., Singhal, R., Mathew, G.M., Nair, I.C., Jayachandran, K., Vidya, J., de Souza Vandenberghe, L.P., Deniz, I., Madhavan, A., Binod, P., Sukumaran, R.K., Kumar, S.S., Anusree, M., Nagavekar, N., Soumya, M., Jayakumar, A., Radhakrishnan, E.K., Karp, S.G., Giovana, M., Pagnoncelli, M.G.B., de Melo Pereira, G.V., Soccol, C.R., Dogan, S., Pandeyl, A.	Enzyme Technology in Food Processing: Recent Developments and Future Prospects	2020	Innovative Food Processing Technologies: A Comprehensive Review			191	215
770	Ayare, S.D., Gogate, P.R.	Sonochemical, photocatalytic and sonophotocatalytic oxidation of flonicamid pesticide solution using different catalysts	2020	Chemical Engineering and Processing - Process Intensification	154			
771	Jejurkar, V.P., Yashwantrao, G., Saha, S.	Tröger's base functionalized recyclable porous covalent organic polymer (COP) for dye adsorption from water	2020	New Journal of Chemistry	44	28	12331	12342
772	Lokhande, K.D., Pethsangave, D.A., Kulal, D.K., Some, S.	Remediation of Toxic Dye Pollutants by Using Graphene-Based Adsorbents	2020	ChemistrySelect	5	27	8062	8073
773	Gajaria, T.K., Bhatt, H., Khandelwal, A., Vasu, V.T., Reddy, C.R.K., Shanthana Lakshmi, D.	A facile chemical cross-linking approach toward the fabrication of a sustainable porous ulvan scaffold	2020	Journal of Bioactive and Compatible Polymers	35	05-Apr	301	313
774	Sinhmar, P.S., Gogate, P.R.	Ultrasound assisted oxidative desulfurization of simulated diesel using flow cell and longitudinal bath in combination with different oxidants	2020	Chemical Engineering and Processing - Process Intensification	153			
775	Jachak, M., Khopkar, S., Chaturvedi, A., Joglekar, A., Shankarling, G.	Synthesis of novel viscosity sensitive pyrrolo-quinaldine based styryl dyes: Photophysical properties, electrochemical and DFT study	2020	Journal of Photochemistry and Photobiology A: Chemistry	397			
776	Vijayan, U.K., Varakumar, S., Sole, S., Singhal, R.S.	Enhancement of loading and oral bioavailability of curcumin loaded self-microemulsifying lipid carriers using Curcuma oleoresins	2020	Drug Development and Industrial Pharmacy	46	6	889	898

777	Mannava, M.K.C., Dandela, R., Tothadi, S., Solomon, K.A., Nangia, A.K.	Naftopidil Molecular Salts with Improved Dissolution and Permeation	2020	Crystal Growth and Design	20	5	3064	3076
778	Mahaboob Ali, A.A., Momin, B., Ghogare, P.	Isolation of a novel poly-γ-glutamic acid-producing Bacillus licheniformis A14 strain and optimization of fermentation conditions for high-level production	2020	Preparative Biochemistry and Biotechnology	50	5	445	452
779	Dubey, A.V., Kumar, A.V.	A Bio-Inspired Magnetically Recoverable Palladium Nanocatalyst for the Ullmann Coupling reaction of Aryl halides and Arylboronic acids In Aqueous Media	2020	Applied Organometallic Chemistry	34	5		
780	Patel, M., Mestry, S., Phalak, G., Mhaske, S.	Novel catechol-derived phosphorus-based precursors for coating applications	2020	Polymer Bulletin	77	5	2183	2203
781	Kharkar, P.B., Talkar, S.S., Patravale, V.B.	An industrially viable technique for fabrication of docetaxel NLCs for oncotherapy	2020	International Journal of Pharmaceutics	577			
782	Bedar, A., Goswami, N., Singha, A.K., Kumar, V., Debnath, A.K., Sen, D., Aswal, V.K., Kumar, S., Dutta, D., Keshavkumar, B., Ghodke, S., Jain, R., Singh, B.G., Tewari, P.K., Bindal, R.C., Kar, S.	Nanodiamonds as a state-of-the-art material for enhancing the gamma radiation resistance properties of polymeric membranes	2020	Nanoscale Advances	2	3	1214	1227
783	Wagh, D.P., Yadav, G.D.	Multi-functional Fe-Al0.66DTP/MCF catalyst in cascade engineered synthesis of the drug butamben: Novelty of catalyst, reaction kinetics and mechanism	2020	Molecular Catalysis	483			
784	Kulkarni, N.H., Muley, A.B., Bedade, D.K., Singhal, R.S.	Cross-linked enzyme aggregates of arylamidase from Cupriavidus oxalaticus ICTDB921: process optimization, characterization, and application for mitigation of acrylamide in industrial wastewater	2020	Bioprocess and Biosystems Engineering	43	3	457	471
785	Patil, Y.A., Sadhu, B., Boraste, D.R., Borkar, A.L., Shankarling, G.S.	Utilization of Cucurbit[6]uril as an effective adsorbent for the remediation of Phthalocyanine and Procion golden yellow dyes	2020	Journal of Molecular Structure	1202			
786	More, R.K., Lavande, N.R., More, P.M.	Mn Supported on Ce Substituted Hydroxyapatite for VOC Oxidation: Catalytic Activity and Calcination Effect	2020	Catalysis Letters	150	2	419	428
787	Bhilare, S., Shet, H., Sanghvi, Y.S., Kapdi, A.R.	Discovery, synthesis, and scale-up of efficient palladium catalysts useful for the modification of nucleosides and heteroarenes	2020	Molecules	25	7		
788	Patel, M.R., Lamprou, D.A., Vavia, P.R.	Synthesis, Characterization, and Drug Delivery Application of Self-assembling Amphiphilic Cyclodextrin	2020	AAPS PharmSciTech	21	1		
789	Mondal, S., Agam, Y., Amdursky, N.	Enhanced Proton Conductivity across Protein Biopolymers Mediated by Doped Carbon Nanoparticles	2020	Small	16	50		
790	Nemade, P.R., Ganjare, A.V., Ramesh, K., Rakte, D.M., Vaishnavi, P.S.V., Thapa, G.	Low fouling sulphonated carbon soot-polysulphone membranes for rapid dehydration of stabilized oil-water emulsions	2020	Journal of Water Process Engineering	38			
791	Sabnis, S.S., Raikar, R., Gogate, P.R.	Evaluation of different cavitational reactors for size reduction of DADPS	2020	Ultrasonics Sonochemistry	69			

792	Kharkar, P.S., Soni, G., Rathod, V., Shetty, S., Gupta, M.K., Yadav, K.S.	An outlook on procedures of conjugating folate to (co)polymers and drugs for effective cancer targeting	2020	Drug Development Research	81	7	823	836
793	Pai, S.A., Martis, E.A., Munshi, R.P., Gursahani, M.S., Mestry, S.N., Juvekar, A.R.	Chrysin mitigated obesity by regulating energy intake and expenditure in rats	2020	Journal of Traditional and Complementary Medicine	10	6	577	585
794	Salem, M.A., Bedade, D.K., Al-Ethawi, L., Al-waleed, S.M.	Assessment of physiochemical properties and concentration of heavy metals in agricultural soils fertilized with chemical fertilizers	2020	Heliyon	6	10		
795	Varpe, B.D., Jadhav, S.B., Chatale, B.C., Mali, A.S., Jadhav, S.Y., Kulkarni, A.A.	3D-QSAR and Pharmacophore modeling of 3,5-disubstituted indole derivatives as Pim kinase inhibitors	2020	Structural Chemistry	31	5	1675	1690
796	Kumar, S., Gawande, M.B., Medřík, I., Petr, M., Tomanec, O., Kupka, V., Varma, R.S., Zbořil, R.	Mechanochemical synthesis of Cu2S bonded 2D-sulfonated organic polymers: Continuous production of dimethyl carbonate (DMC): Via preheating of reactants	2020	Green Chemistry	22	17	5619	5627
797	Nilkanth, P.R., Ghorai, S.K., Sathiyanarayanan, A., Dhawale, K., Ahamad, T., Gawande, M.B., Shelke, S.N.	Synthesis and Evaluation of Anticonvulsant Activity of Some Schiff Bases of 7-Amino-1,3-dihydro-2H-1,4-benzodiazepin-2-one	2020	Chemistry and Biodiversity	17	9		
798	Nadar, S.S., Patil, P.D., Rohra, N.M.	Magnetic nanobiocatalyst for extraction of bioactive ingredients: A novel approach	2020	Trends in Food Science and Technology	103		225	238
799	Patel, K.P., Kamble, S.S., Boraste, D.R., Shankarling, G.S.	Green transamidation catalysed by graphene oxide under concentrated solar irradiation	2020	Environmental Chemistry Letters	18	5	1731	1735
800	Jejurkar, V.P., Yashwantrao, G., Reddy, B.P.K., Ware, A.P., Pingale, S.S., Srivastava, R., Saha, S.	Rationally Designed Furocarbazoles as Multifunctional Aggregation Induced Emissive Luminogens for the Sensing of Trinitrophenol (TNP) and Cell Imaging	2020	ChemPhotoChem	4	9	691	703
801	Gharat, N.N., Rathod, V.K.	Response surface methodology for the extraction of wedelolactone from Eclipta alba using aqueous two-phase extraction	2020	Preparative Biochemistry and Biotechnology	50	8	827	833
802	Chugh, K., Phalak, G., Mhaske, S.	Fatty acid based novel precursors for polyesteramide hot melt adhesive	2020	Journal of Adhesion Science and Technology	34	17	1871	1884
803	Phatake, V.V., Ahire, J.P., Bhanage, B.M.	L-Serine@ZnO as an efficient and reusable catalyst for synthesis of cyclic carbonates and formamides in presence of CO2 atmosphere	2020	Molecular Catalysis	492			
804	Chaurasia, S.R., Bhanage, B.M.	One-pot synthesis of symmetrical and asymmetrical diphenylamines from guanidines with aryl iodide using Cu/Cu2O nanocatalyst	2020	Molecular Catalysis	492			
805	Karmakar, N., Raj, S., Bhattacharyya, B.	Hybrid Intelligence Technique for Reactive Power Planning using FACTS devices	2020	2020 International Conference on				

				Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2020				
806	Ayeni, O., Tiwari, S.S., Wu, C., Joshi, J.B., Nandakumar, K.	Behavior of particle swarms at low and moderate Reynolds numbers using computational fluid dynamics - Discrete element model	2020	Physics of Fluids	32	7		
807	Das, S., Devarajan, P.V.	Enhancing Safety and Efficacy by Altering the Toxic Aggregated State of Amphotericin B in Lipidic Nanoformulations	2020	Molecular Pharmaceutics	17	6	2186	2195
808	Bhujbal, A.V., Rout, A., Venkatesan, K.A., Bhanage, B.M.	Electrochemical behavior and direct electrodeposition of UO2 nanoparticles from uranyl nitrate dissolved in an ammonium-based ionic liquid	2020	Journal of Molecular Liquids	307			
809	Borah, M.P., Jose, S., Kalita, B.B., Shakyawar, D.B., Pandit, P.	Water repellent finishing on eri silk fabric using nano silica	2020	Journal of the Textile Institute	111	5	701	708
810	Sinhmar, P.S., Gogate, P.R.	Ultra-deep desulfurization of crude sulfated turpentine using oxidation, adsorption and novel combination approach	2020	Environmental Technology and Innovation	18			
811	Kalaga, D.V., Ansari, M., Turney, D.E., Hernandez-Alvarado, F., Kleinbart, S., ArunKumar, K.E., Joshi, J.B., Banerjee, S., Kawaji, M.	Scale-up of a downflow bubble column: Experimental investigations	2020	Chemical Engineering Journal	386			
812	Hinge, S.P., Patwardhan, A.W.	Thermal-Hydraulic Performance of an Annular Pipe with Square Wire Coil Inserts Using Computational Fluid Dynamics	2020	Industrial and Engineering Chemistry Research	59	9	3887	3903
813	Ghanavatkar, C.W., Mishra, V.R., Sharma, S., Mathew, E., Chitrambalam, S., Joe, I.H., Nethi, S.N.	Red Emitting Hydroxybenzazole (HBX) Based Azo Dyes: Linear and Non Linear Optical Properties, Optical Limiting, Z Scan Analysis with DFT Assessments	2020	Journal of Fluorescence	30	2	335	346
814	Waghmare, G.V., Mudaliar, C., Rathod, V.K.	Optimization of the enzyme catalyzed ultrasound assisted synthesis of cinnamyl butyrate using response surface methodology	2020	Reaction Kinetics, Mechanisms and Catalysis	129	1	421	441
815	Padole, M., Gharde, S., Kandasubramanian, B.	Three-dimensional printing of molluscan shell inspired architectures via fused deposition modeling	2020	Environmental Science and Pollution Research				
816	Navaneetha Pandiyaraj, K., Vasu, D., Padmanabhan, P.V.A., Pichumani, M., Deshmukh, R.R., Kandavelu, V.	Evaluation of influence of cold atmospheric pressure argon plasma operating parameters on degradation of aqueous solution of Reactive Blue 198 (RB-198)	2020	Plasma Science and Technology	22	5		

817	Mali, J.K., Sutar, Y.B., Pahelkar, A.R., Verma, P.M., Telvekar, V.N.	Novel fatty acid-thiadiazole derivatives as potential antimycobacterial agents	2020	Chemical Biology and Drug Design	95	1	174	181
818	Aklujkar, P.S., Rao, A.R.	Developments in the Components of Metal-Free Photoinitiated Organocatalyzed-Atom Transfer Radical Polymerization (O-ATRP)	2020	ChemistrySelect	5	47	14884	14899
819	Biswas, D.B., Bose, S., Dalvi, V.H., Deshmukh, S.P., Shenoy, N.V., Panse, S.V., Joshi, J.B.	A techno-economic comparison between piston steam engines as dispatchable power generation systems for renewable energy with concentrated solar harvesting and thermal storage against solar photovoltaics with battery storage	2020	Energy	213			
820	Salame, P.H., Devakar, M.	Ultrasonically assisted microwave synthesis and electronic transport properties of Eldfellite, NaFe(SO4)2, a potential cathode material for Sodium-Ion Batteries	2020	Ceramics International	46	18	28844	28850
821	Sudame, A., Kandasamy, G., Singh, D., Tomy, C.V., Maity, D.	Symbiotic thermo-chemotherapy for enhanced HepG2 cancer treatment via magneto-drugs encapsulated polymeric nanocarriers	2020	Colloids and Surfaces A: Physicochemical and Engineering Aspects	606			
822	Agarkar, H., Dave, D., Das, D.	Transition metal complexes incorporated with photoswitchable azo-based benzimidazole ligands: Photochromic and solvatochromic studies	2020	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	242			
823	Bhagwat, A., Bhushette, P., Annapure, U.S.	Spray drying studies of probiotic Enterococcus strains encapsulated with whey protein and maltodextrin	2020	Beni-Suef University Journal of Basic and Applied Sciences	9	1		
824	Bhilare, S., Kori, S., Shet, H., Balaram, G., Mahendar, K., Sanghvi, Y.S., Kapdi, A.R.	Scale-Up of a Heck Alkenylation Reaction: Application to the Synthesis of an Amino-Modifier Nucleoside 'Ruth Linker'	2020	Synthesis (Germany)	52	23	3595	3603
825	Waikar, J., Lavande, N., More, R., More, P.	Improvement in Low Temperature CO Oxidation Activity of CuOx/CeO2−δ by Cs2O Doping: Mechanistic Aspects	2020	Catalysis Surveys from Asia	24	4	269	277
826	Vyas, S., Dhoble, S., Ghodake, V., Patravale, V.	Xyloglucan based mucosal nanovaccine for immunological protection against brucellosis developed by supercritical fluid technology	2020	International Journal of Pharmaceutics: X	2			
827	Banakar, V.V., Sabnis, S.S., Gogate, P.R., Raha, A., Saurabh	Improvements in heat transfer in thermal desalination operation based on removal of salts using ultrasound pretreatment	2020	Ultrasonics Sonochemistry	69			
828	Salame, P., Kotalgi, K.	Ultrasonically assisted microwave synthesis of nanostructured FeCo2O4 as potential cathode materials for supercapacitors	2020	Journal of Materials Science: Materials in Electronics	31	22	20072	20079
829	Gadkari, Y.U., Jadhav, N.L., Hatvate, N.T., Telvekar, V.N.	Concentrated Solar Radiation Aided Green Approach for Preparative Scale and Solvent-Free Synthesis of 3-Methyl-4-(hetero)arylmethylene Isoxazole-5(4H)-ones	2020	ChemistrySelect	5	39	12320	12323
830	Wadekar, P.H., Khose, R.V., Pethsangave, D.A., Some, S.	One-step Preparation of Conducting Polymer/Metal Oxide Doped RGO Trinary Composite for Supercapacitor Applications	2020	ChemistrySelect	5	38	11769	11777
831	Salvi, H.M., Yadav, G.D.	Chemoenzymatic epoxidation of limonene using a novel surface-functionalized silica catalyst derived from agricultural waste	2020	ACS Omega	5	36	22940	22950

832	Mishra, V.R., Ghanavatkar, C.W., Sharma, S., Premarani, A., Mathew, E., Joe, I.H., Sekar, N.	Linear and NLO Properties of Functional Group and Position Isomers of Azo and Azomethine: Comparative Photophysical-Electrochemical Properties, Z-Scan and DFT Studies	2020	ChemistrySelect	5	34	10743	10753
833	Barui, S., Chowdhury, S., Samajdar, R., Chakraborty, S., Gavade, M., Basu, B.	Impact of 'core-shell' mode of printing on properties of 3D binderjet printed zirconia-alumina based bioceramics	2020	Open Ceramics	3			
834	Bait, S., Shinde, S., Adivarekar, R., Sekar, N.	Multifunctional properties of benzophenone based acid dyes: Synthesis, spectral properties and computational study	2020	Dyes and Pigments	180			
835	Krishnan, R.A., Mhatre, O., Sheth, J., Prabhu, S., Jain, R., Dandekar, P.	Synthesis of zinc oxide nanostructures using orange peel oil for fabricating chitosan-zinc oxide composite films and their antibacterial activity	2020	Journal of Polymer Research	27	8		
836	Singu, B.D., Bhushette, P.R., Annapure, U.S.	Thermo-tolerant Saccharomyces cerevisiae var. boulardii coated cornflakes as a potential probiotic vehicle	2020	Food Bioscience	36			
837	Shinde, P.A., Ukarde, T.M., Pandey, P.H., Pawar, H.S.	Distillery spent wash: An emerging chemical pool for next generation sustainable distilleries	2020	Journal of Water Process Engineering	36			
838	Mishra, A.A., Chaurasia, S.R., Bhanage, B.M.	Ru-g-C3N4as a highly active heterogeneous catalyst for transfer hydrogenation of α-keto amide into β-aminol or α-hydroxyl amide	2020	New Journal of Chemistry	44	25	10578	10585
839	Pandya, H., Mahanwar, P.	Fundamental insight into anionic aqueous polyurethane dispersions	2020	Advanced Industrial and Engineering Polymer Research	3	3	102	110
840	Kulkarni, N.J., Mandal, D., Mathpati, C.S., Dalvi, V.H.	Modeling and validation of heat transfer in packed bed with internal heat generation	2020	Heat Transfer	49	5	2961	2976
841	Kaikini, A., Dhodi, D., Muke, S., Peshattiwar, V., Bagle, S., Korde, A., Sarnaik, J., Kadwad, V., Sachdev, S., Sathaye, S.	Standardization of type 1 and type 2 diabetic nephropathy models in rats: Assessment and characterization of metabolic features and renal injury	2020	Journal of Pharmacy and Bioallied Sciences	12	3	295	307
842	Thomas, D., Baveja, N.A., Shenoy, K.T., Joshi, J.B.	Experimental Study on the Mechanism and Kinetics of CuCl2Hydrolysis Reaction of the Cu-Cl Thermochemical Cycle in a Fluidized Bed Reactor	2020	Industrial and Engineering Chemistry Research	59	26	12028	12037
843	Bhat, M.S., Arya, S.S.	Physico-functional, pasting and structural properties of gorgon nut (Euryale ferox) flour as affected by heat-moisture and acid treatment	2020	Journal of Food Measurement and Characterization	14	3	1656	1664
844	Ayyappan, V.G., Prakash, D., Jaisankar, S.N., Sadhukhan, N., Alam, M.S., Samanta, D.	Nanoconjugates of methacrylic polymers: Synthesis, characterization, and immobilization to leather	2020	Journal of Applied Polymer Science	137	18		
845	D Souza, P., Biswas, D., Deshmukh, S.P.	Air side performance of tube bank of an evaporator in a window air-conditioner by CFD simulation with different circular tubes with uniform transverse pitch variation	2020	International Journal of Thermofluids	04-Mar			
846	Vajekar, S.N., Shankarling, G.S.	Choline hydroxide promoted sustainable one-pot three-component synthesis of 1H-pyrazolo[1,2-a]pyridazine-2-carbonitriles under solvent-free conditions	2020	Synthetic Communications	50	8	1147	1158

847	Ramsinghgirase, T., Patil, K., Kapdi, A.R., Gupta, G.	Palladium acetate/[CPy][Br]: An efficient catalytic system towards the synthesis of biologically relevant stilbene derivatives via heck cross-coupling reaction	2020	ChemistrySelect	5	14	4251	4262
848	Gogate, P.R.	Improvements in Catalyst Synthesis and Photocatalytic Oxidation Processing Based on the Use of Ultrasound	2020	Topics in Current Chemistry	378	2		
849	Islam Sk, A., Kundu, K., Kundu, P.K.	Azobenzene Isomerization-Induced Photomodulation of Electronic Properties of N-Heterocyclic Carbenes	2020	Chemistry - A European Journal	26	19	4214	4219
850	Sancheti, S.V., Yadav, G.D., Ghosh, P.K.	Synthesis and Application of Novel NiMoK/TS-1 for Selective Conversion of Fatty Acid Methyl Esters/Triglycerides to Olefins	2020	ACS Omega	5	10	5061	5071
851	Bhalekar, S., Avhad, K., Sekar, N.	Deep Red emitting dicyanovinylene isophorone based chromophores: Combined synthesis, optical properties, viscosity sensitivity, and DFT studies	2020	Journal of Photochemistry and Photobiology A: Chemistry	391			
852	Palaskar, S.S., Kale, R.D., Deshmukh, R.R.	Application of atmospheric pressure plasma for adhesion improvement in polyurethane coating on polypropylene fabrics	2020	Journal of Coatings Technology and Research	17	2	485	501
853	Yadav, S.B., Erande, Y., Ghanvatkar, C.W., Sekar, N.	Auxiliary hydroxy-phenanthro [9, 10-d] imidazole supported NLOphoric triphenylamine based donor-pi-acceptor compounds: Synthesis, solvatochromism and computational aspects	2020	Journal of Luminescence	219			
854	Mollick, P.K., Pandit, A.B., Mukherjee, T., Vijayan, P.K.	Novel Porous Draft Tube to Manipulate Fluid Throughput from Spout to Annulus in a Spouted Bed	2020	Industrial and Engineering Chemistry Research	59	7	3229	3237
855	Jadhav, A.L., Malkar, R.S., Yadav, G.D.	Zn-and Ti-Modified Hydrotalcites for Transesterification of Dimethyl Terephthalate with Ethylene Glycol: Effect of the Metal Oxide and Catalyst Synthesis Method	2020	ACS Omega	5	5	2088	2096
856	Vajekar, S.N., Shankarling, G.S.	Highly efficient green synthesis of the photochromic spironaphthoxazines using an eco-friendly choline hydroxide catalyst	2020	Synthetic Communications	50	3	338	347
857	Gaikwad, V.V., Mane, P.A., Dey, S., Patel, D., Bhanage, B.M.	Supramolecular Pd(II) complex of DPPF and dithiolate: An efficient catalyst for amino and phenoxycarbonylation using Co2(CO)8 as sustainable C1 source	2020	Molecular Catalysis	482			
858	Patil, M.P., Vaidya, P.D.	New AMP/polyamine blends for improved CO2 capture: Study of kinetic and equilibrium features	2020	Canadian Journal of Chemical Engineering	98	2	556	565
859	Carvalho, R.B., Joshi, S.V.	Ibuprofen isobutanolammonium salt: Synthesis, thermal analysis, PXRD, FTIR and solubility investigations	2020	Journal of Thermal Analysis and Calorimetry	139	3	1971	1976
860	Pandit, P., Gayatri, T.N.	Introduction to green nanomaterials	2020	Advanced Structured Materials	126		1	21
861	Divya, P., Arulkumar, S., Parthiban, S., Goswami, A., Ahamad, T., Gawande, M.B.	Rapid and Scalable Wire-bar Strategy for Coating of TiO2 Thin-films: Effect of post-annealing temperatures on structures and catalytic dye-degradation	2020	Molecules	25	7		
862	Ansari, S.Z., Pandit, A.B.	Inhibition of Gypsum Scales on MS metal surface using hydrodynamic forces	2020	Chemical Engineering and Processing - Process Intensification	147			

863	Aparimita, A., Naik, R., Sripan, C., Ganesan, R.	Laser-induced optical photobleaching in Bi-doped Ge30Se70 amorphous thin films	2020	Applied Physics A: Materials Science and Processing	126	1		
864	Palasakar, S.S., Kale, R.D., Deshmukh, R.R.	Adhesion properties of DBD plasma treated nylon 66 fabric- Optimisation of plasma process parameters	2020	International Journal of Adhesion and Adhesives	96			
865	Kharkar, P.S.	Cancer Stem Cell (CSC) Inhibitors in Oncology - A Promise for a Better Therapeutic Outcome: State of the Art and Future Perspectives	2020	Journal of Medicinal Chemistry	63	24	15279	15307
866	Arun, V., Roy, L., De Sarkar, S.	Alcohols as Fluoroalkyl Synthons: Ni-catalyzed Dehydrogenative Approach to Access Polyfluoroalkyl Bis-indoles	2020	Chemistry - A European Journal	26	70	16649	16654
867	Pradhan, S., Ananthanarayan, L.	Standardization and validation of a high-performance thin-layer chromatography method for the quantification of aflatoxin B1 and its application in surveillance of contamination level in marketed food commodities from the Mumbai region	2020	Journal of Planar Chromatography - Modern TLC	33	6	617	630
868	Bhujbal, A.V., Raut, A.B., Bhanage, B.M.	Water-assisted electrochemical fabrication of Cu/Cu2O nanoparticles in protic ionic liquid and their catalytic activity in the synthesis of quinazolinones	2020	Reaction Kinetics, Mechanisms and Catalysis	131	2	905	918
869	Indurkar, A., Bangde, P., Gore, M., Reddy, P., Jain, R., Dandekar, P.	Optimization of guar gum-gelatin bioink for 3D printing of mammalian cells	2020	Bioprinting	20			
870	Gadgeel, A.A., Mhaske, S.T.	Incorporation of flame retardancy in bio-resourced mannitol based curing agent for clear pressure-sensitive adhesive	2020	Polymers for Advanced Technologies	31	12	3211	3227
871	Narvekar, A., Gawali, S.L., Hassan, P.A., Jain, R., Dandekar, P.	pH dependent aggregation and conformation changes of rituximab using SAXS and its comparison with the standard regulatory approach of biophysical characterization	2020	International Journal of Biological Macromolecules	164		3084	3097
872	Bhushette, P.R., Annapure, U.S.	Characterization of Acacia nilotica exudate gum and its film	2020	Journal of Food Measurement and Characterization	14	6	3058	3066
873	Patil, S.P., Pandit, P., Laddha, K.S.	Eco-friendly Single Bath Dyeing and Ultraviolet Protective Finishing of Proteinous Fabric Using Loganin Derived Blue Dye	2020	Journal of Natural Fibers	17	12	1748	1756
874	Patil, Y.A., Shankarling, G.S.	Deep eutectic solvent-mediated, energy-efficient synthesis of copper terephthalate metal-organic framework and its application in degradation of an azo dye	2020	Chemical Engineering Journal Advances	3			
875	Jain, Y., Gandhi, H., Burte, A., Vora, A.	Mental and Physical Health Management System Using ML, Computer Vision and IoT Sensor Network	2020	Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020			786	791
876	Gupta, A.R., Rathod, V.K.	Biodiesel synthesis from palm fatty acid distillate using enzyme immobilized on magnetic nanoparticles	2020	SN Applied Sciences	2	11		
877	Talkar, S.S., Kharkar, P.B., Patravale, V.B.	Docetaxel Loaded Pomegranate Seed Oil Based Nanostructured Lipid Carriers: A Potential Alternative to Current Formulation	2020	AAPS PharmSciTech	21	8		

878	Marathe, S.J., Hamzi, W., Bashein, A.M., Deska, J., Seppänen-Laakso, T., Singhal, R.S., Shamekh, S.	Anti-angiogenic and anti-inflammatory activity of the summer truffle (Tuber aestivum Vittad.) extracts and a correlation with the chemical constituents identified therein	2020	Food Research International	137			
879	Bairagya, P., Kundu, D., Banerjee, T.	A priori prediction of complex liquid-liquid-liquid equilibria in organic systems using a continuum solvation model	2020	Physical Chemistry Chemical Physics	22	38	22023	22034
880	Shirkole, S.S., Mujumdar, A.S.	Facilitating drying R&D via critical review papers	2020	Drying Technology	38	14	1817	1818
881	Jadhav, P., Gokarna, V., Deshpande, V., Vavia, P.	Bioavailability Enhancement of Olmesartan Medoxomil Using Hot-Melt Extrusion: In-Silico, In-Vitro, and In-Vivo Evaluation	2020	AAPS PharmSciTech	21	7		
882	Kamble, M., Salvi, H., Yadav, G.D.	Preparation of amino-functionalized silica supports for immobilization of epoxide hydrolase and cutinase: characterization and applications	2020	Journal of Porous Materials	27	5	1559	1567
883	Sahai, R.S.N., Gaval, V.R., Bhat, B.	Preparation of low-density polyethylene–silver ion antimicrobial film with and without ethylene-vinyl acetate	2020	Polymers and Polymer Composites	28	09-Aug	554	561
884	Teli, M.D., Nadathur, G.T.	Reversible colourimetric sensing of volatile phase by dye doped electrospun silica based nanofibers	2020	Journal of Environmental Chemical Engineering	8	4		
885	Pisal, D.S., Yadav, G.D.	Synthesis of salicylaldehyde through oxidation of o-cresol: Evaluation of activity and selectivity of different metals supported on OMS-2 nanorods and kinetics	2020	Molecular Catalysis	491			
886	Jha, D.K., Dhekne, P.P., Patwardhan, A.W.	Characterization and evaluation of tea bag papers	2020	Journal of Food Science and Technology	57	8	3060	3070
887	Patil, S., Sonawane, S.K., Mali, M., Mhaske, S.T., Arya, S.S.	Pasting, viscoelastic and rheological characterization of gluten free (cereals, legume and underutilized) flours with reference to wheat flour	2020	Journal of Food Science and Technology	57	8	2960	2966
888	Wagh, G.D., Autade, S.B., Kulkarni, R.V., Akamanchi, K.G.	Sulfated tungstate/dioxygen: A new catalytic system for oxysulfonylation of styrenes to form β-keto sulfones	2020	New Journal of Chemistry	44	25	10554	10561
889	Ansari, S.Z., Pandit, A.B.	Evaluation of gypsum (CaSO4·2H2O) scale formation and its inhibition by different antiscalants by static and dynamic test	2020	Indian Chemical Engineer	62	3	251	262
890	Pawar, H.S.	Purification of 5-Hydroxymethyl Furfural from Side Products of Fructose Dehydration Reaction in a Green Solvent	2020	ChemistrySelect	5	23	6851	6855
891	Omprakash Rathi, J., Subray Shankarling, G.	Recent Advances in the Protection of Amine Functionality: A Review	2020	ChemistrySelect	5	23	6861	6893
892	Thakur, S., Gogate, P.R.	Synthesis of Pd/C catalyst using formaldehyde reduction method and application for ultrasound assisted transfer hydrogenation of corn oil	2020	Chemical Engineering and Processing - Process Intensification	152			
893	Gadhave, R.V., Mahanwar, P.A., Gadekar, P.T., Kasbe, P.S.	A study on the effect of starch–polyvinyl alcohol blends by addition of citric acid and boric acid for enhancement in performance properties of polyvinyl acetate-based wood adhesive	2020	Journal of the Indian Academy of Wood Science	17	1	9	20
894	Bhalekar, S.B., Bhagwat, A.A., Sekar, N.	Orange-Red Fluorescent (Partially Rigidified) Donor-π-(rigidified)-Acceptor System – Computational Studies	2020	Journal of Fluorescence	30	3	565	579

895	Devadasu, S., Joshi, S.M., Gogate, P.R., Sonawane, S.H., Suranani, S.	Intensification of delignification of Tectona grandis saw dust as sustainable biomass using acoustic cavitational devices	2020	Ultrasonics Sonochemistry	63			
896	Jha, D.K., Shah, D.S., Talele, S.R., Amin, P.D.	Correlation of two validated methods for the quantification of naringenin in its solid dispersion: HPLC and UV spectrophotometric methods	2020	SN Applied Sciences	2	4		
897	Singu, B.D., Bhushette, P.R., Annapure, U.S.	Survivability Assessment of Saccharomyces boulardii in a Symbiotic System Using Nutraceuticals and Modified Atmosphere Packaging	2020	Food and Bioprocess Technology	13	4	693	704
898	Minocha, N., Joshi, J.B.	3D CFD simulation of turbulent flow distribution and pressure drop in a dividing manifold system using openfoam	2020	International Journal of Heat and Mass Transfer	151			
899	Bhujbal, A.V., Rout, A., Venkatesan, K.A., Bhanage, B.M.	Electrochemical Fabrication of Copper and Tin Micro-Crystals from a Protic Ionic Liquid Medium	2020	ChemistrySelect	5	12	3694	3699
900	Suprabha Raj, A., Chakraborty, S., Rao, P.S.	Optimizing the thermal assisted high-pressure process parameters for a sugarcane based mixed beverage using response surface methodology	2020	Journal of Food Process Engineering	43	3		
901	Pandit, A., Deshpande, C., Patil, S., Jain, R., Dandekar, P.	Mechanistic insights into controlled depolymerization of Chitosan using H-Mordenite	2020	Carbohydrate Polymers	230			
902	Patel, K.P., Gayakwad, E.M., Shankarling, G.S.	Graphene oxide: A convenient metal-free carbocatalyst for facilitating amidation of esters with amines	2020	New Journal of Chemistry	44	6	2661	2668
903	Dey, A., Stenberg, J., Dandekar, P., Jain, R.	A combinatorial study of experimental analysis and mathematical modeling: How do chitosan nanoparticles deliver therapeutics into cells?	2020	Carbohydrate Polymers	229			
904	Maithania, H.V., Mohanty, B.S., Chaudhari, P.R., Samad, A., Devarajan, P.V.	Shape mediated splenotropic delivery of buparvaquone loaded solid lipid nanoparticles	2020	Drug Delivery and Translational Research	10	1	159	167
905	Husain, Z., Ansari, K.B., Chatake, V.S., Urunkar, Y., Pandit, A.B., Joshi, J.B.	Valorisation of biomass pellets to renewable fuel and chemicals using pyrolysis: characterisation of pyrolysis products and its application	2020	Indian Chemical Engineer	62	1	78	91
906	Osmani, R.A.M., Singh, E., Jadhav, K., Jadhav, S., Banerjee, R.	Biopolymers and biocomposites: Nature's tools for wound healing and tissue engineering	2020	Applications of Advanced Green Materials			573	630
907	Solanke, S.G., Gaval, V.R.	Optimization of wet sliding wear parameters of Titanium grade 2 and grade 5 bioimplant materials for orthopedic application using Taguchi method	2020	Journal of Metals, Materials and Minerals	30	3	113	120
908	Kharkar, P.S.	Computational approaches for the design of (Mutant-)selective tyrosine kinase inhibitors: State-of-the-art and future prospects	2020	Current Topics in Medicinal Chemistry	20	17	1522	1533
909	Mande, P., Sekar, N.	Comparison of chemical composition, antioxidant and antibacterial activity of Callistemon citrinus skeels (bottlebrush) essential oil obtained by conventional and microwave-assisted hydrodistillation	2020	Journal of Microwave Power and Electromagnetic Energy			230	244
910	Divekar, M., Gaval, V.R., Wonisch, A.	Improvement of warpage prediction through integrative simulation approach for thermoplastic material	2020	Journal of Thermoplastic Composite Materials				

911	Bharambe, S.S., Trimukhe, A., Bhatia, P.	Synthesis Techniques of Nickel Substituted Cobalt Ferrites-An Investigative Study Using Structural Data	2020	Materials Today: Proceedings	23		373	381
912	Bhairat, S.P.	Existence and stability of fractional differential equations involving generalized katugampola derivative	2020	Studia Universitatis Babes-Bolyai Mathematica	65	1	29	46
913	Kumar, D., Shahid, M.	Natural materials and products from insects: Chemistry and applications	2020	Natural Materials and Products from Insects: Chemistry and Applications			1	1556
914	Kakade, P., Gite, S., Patravale, V.	Development of atovaquone nanosuspension: Quality by design approach	2020	Current Drug Delivery	17	2	112	125
915	Wazarkar, K., Sabnis, A.	Synthesis and characterization of UV oligomer based on cardanol	2020	Journal of Renewable Materials	8	1	57	68
916	Potangale, M., Tiwari, S.	Correlation of the empirical polarity parameters of solvate ionic liquids (SILs) with molecular structure	2020	Journal of Molecular Liquids	297			
917	Gaikwad, V.V., Mane, P.A., Dey, S., Bhanage, B.M.	Xantphos-ligated palladium dithiolates: An unprecedented and convenient catalyst for the carbonylative Suzuki–Miyaura cross-coupling reaction with high turnover number and turnover frequency	2020	Applied Organometallic Chemistry	34	1		
918	Vijayasanthi, J., Adsare, S.R., Lamdande, A.G., Naik, A., Raghavarao, K.S.M.S., Prabhakar, G.	Recovery of proteins from coconut milk whey employing ultrafiltration and spray drying	2020	Journal of Food Science and Technology	57	1	22	31
919	Mali, C.R., Patwardhan, A.W., Pandey, G.K., Banerjee, I., Vinod, V.	CFD study on the effect of various geometrical parameters of honeycomb type orifices on pressure drop and cavitation characteristics	2020	Nuclear Engineering and Design	370			
920	Roy, L., Mondal, B., Ye, S.	Computational mechanistic insights into non-noble-metal-catalysed CO2conversion	2020	Dalton Transactions	49	46	16608	16616
921	Patil, M.R., Shah, J., Kumar, A.V., Kapdi, A.R.	Photo-induced sp3 C−H bond arylation, cyanation and nitroalkylation of tetrahydroisoquinolines (THIQs) under visible light irradiation using a combination of NHPI and Rose Bengal	2020	Chemistry - An Asian Journal	15	24	4302	4306
922	Katkar, V.A., Goswami, P.	Review on Energy Management Systems for Hybrid e Vehicles	2020	ICPECTS 2020 - IEEE 2nd International Conference on Power, Energy, Control and Transmission Systems, Proceedings				
923	Ghanavatkar, C.W., Mishra, V.R., Sekar, N.	Charge Transfer Parameters, Correlative Perturbation Potential with Non-Linear Optical Properties of Bi-Heterocyclic Dyes Having TCF Acceptor- DFT Approach	2020	ChemistrySelect	5	45	14520	14532
924	Wagh, D.P., Yadav, G.D.	Selectivity engineering in catalysis by ruthenium nanoparticles supported on heteropolyacid-encapsulated MOF-5: one-pot synthesis of allyl 4-cyclohexanebutyrate and kinetic modeling	2020	Emergent Materials	3	6	965	988

925	Hanchate, N., Korpale, V.S., Mathpati, C.S., Deshmukh, S.P., Dalvi, V.H.	Computational fluid dynamics of dual fluidized bed gasifiers for syngas production: Cold flow studies	2020	Journal of the Taiwan Institute of Chemical Engineers	117		156	163
926	Swami, K.R., Venkatesan, K.A., Selvan, B.R., Hase, D.V., Jayaram, R.V.	Investigations on the unusual aggregation behaviour of tetra(2-ethyhexyl)diglycolamide in n-dodecane medium upon gamma irradiation	2020	Journal of Molecular Liquids	319			
927	Vishwakarma, R., Gadipelly, C., Nakhate, A., Deshmukh, G., Mannepalli, L.K.	Copper supported Mg–Al hydrotalcite derived oxide catalyst for enol carbamates synthesis via C–H bond activation of formamides	2020	Catalysis Communications	147			
928	Ghodke, S.B., Parkar, J.N., Deshpande, A.R., Dandekar, P.P., Jain, R.D.	Structure-Activity Relationship of Polyester-Based Cationic Polyrotaxane Vector-Mediated in Vitro siRNA Delivery: Effect on Gene Silencing Efficiency	2020	ACS Applied Bio Materials	3	11	7500	7514
929	Sultana, M., Paul, A., Roy, L.	Computational Investigation of the Mechanism of FLP Catalyzed H2 Activation and Lewis Base Assisted Proton Transfer	2020	ChemistrySelect	5	42	13397	13406
930	Priyadarshini, P., Sahoo, D., Aparimita, A., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Switching of linear and nonlinear optical parameters in As35Se65 thin films upon annealing at both above and below T g	2020	Applied Physics A: Materials Science and Processing	126	11		
931	Chogale, M., Gite, S., Patravale, V.	Comparison of media milling and microfluidization methods for engineering of nanocrystals: a case study	2020	Drug Development and Industrial Pharmacy	46	11	1763	1775
932	Patil, M.P., Vaidya, P.D.	Aqueous mixtures of AMP, HMDA-N,N’-dimethyl and TEG for CO2 separation: a study on equilibrium and reaction kinetics	2020	Chemical Engineering Communications	207	10	1440	1450
933	Margi, N.H., Yadav, G.D.	Design and development of novel continuous flow stirred multiphase reactor: Liquid–liquid–liquid phase transfer catalysed synthesis of guaiacol glycidyl ether	2020	Processes	8	10	1	16
934	Bamane, P.B., Wadgaonkar, K.K., Chambhare, S.U., Mehta, L.B., Jagtap, R.N.	Replacement of traditional unsaturated acid by bio-based itaconic acid in the preparation of isophthalic acid-based unsaturated polyester resin	2020	Progress in Organic Coatings	147			
935	Raji, A., Pandiyaraj, K.N., Vasu, D., Ramkumar, M.C., Deshmukh, R.R., Kandavelu, V.	Non-equilibrium atmospheric pressure plasma assisted degradation of the pharmaceutical drug valsartan: Influence of catalyst and degradation environment	2020	RSC Advances	10	59	35709	35717
936	Ardhapure, A.V., Gayakhe, V., Bhilare, S., Kapdi, A.R., Bag, S.S., Sanghvi, Y.S., Gunturu, K.C.	Extended fluorescent uridine analogues: synthesis, photophysical properties and selective interaction with BSA protein	2020	New Journal of Chemistry	44	34	14744	14754
937	Nagwekar, N.N., Tidke, V.B., Thorat, B.N.	Seasonal Nutritional Food Security to Indian Women through Community-level Implementation of Domestic Solar Conduction Dryer	2020	Ecology of Food and Nutrition	59	5	525	551
938	Khambete, M.P., Khare, L.P., Kapadia, A.B., Degani, M.S.	Exploring the potential of pyrazoline containing molecules as Aβ aggregation inhibitors in Alzheimer's disease	2020	Drug Metabolism and Personalized Therapy	35	3		

939	Jadhav, N.C., Kale, R.D.	Scrap leather valorization through composite fabrication using mustard oil resin and N-vinyl-2-pyrrolidone	2020	Iranian Polymer Journal (English Edition)	29	9	771	784
940	Tomke, P.D., Rathod, V.K.	Lipase-catalyzed synthesis of propyl-phenyl acetate: a kinetic and thermodynamic study	2020	Bioprocess and Biosystems Engineering	43	9	1659	1670
941	Vyas, S.K., Shukla, S.R.	Degumming of Tasar silk using imidazolium-based ionic liquids	2020	Journal of the Textile Institute	111	9	1364	1370
942	Kale, R.D., Gorade, V.G., Parmaj, O.	Waste Medical Cotton Reinforced Chitosan Biocomposite Film Using Tannic Acid as the Crosslinking Agent	2020	Journal of Natural Fibers	17	9	1249	1256
943	Wagh, A.S., Pawar, H.S.	An Efficient Heterogeneous Acid Catalyst DICAT-1 for One-Pot Conversion of Sucrose into 5-(Hydroxymethyl)furfural	2020	Energy and Fuels	34	8	9643	9653
944	Jain, A.B., Vaidya, P.D.	Kinetics of Hydrogenation of Furfuryl Alcohol and γ-Valerolactone over Ru/C Catalyst	2020	Energy and Fuels	34	8	9963	9970
945	Chakraborty, S., Shaik, L., Gokhale, J.S.	Subcritical Water: An Innovative Processing Technology	2020	Innovative Food Processing Technologies: A Comprehensive Review			552	566
946	Bhandari, P.S., Makwana, B.P., Gogate, P.R.	Microwave and ultrasound assisted dual oxidant based degradation of sodium dodecyl sulfate: Efficacy of irradiation approaches and oxidants	2020	Journal of Water Process Engineering	36			
947	Patel, K.P., Gayakwad, E.M., Shankarling, G.S.	Graphene Oxide as a Metal-free Carbocatalyst for Direct Amide Synthesis from Carboxylic Acid and Amine Under Solvent-Free Reaction Condition	2020	ChemistrySelect	5	27	8295	8300
948	Sreenivasan, S., Ukarde, T.M., Pandey, P.H., Pawar, H.S.	BAILs mediated Catalytic Thermo Liquefaction (CTL) process to convert municipal solid waste into carbon densified liquid (CTL-Oil)	2020	Waste Management	113		294	303
949	Pawar, H.S.	Polymethylaminosiloxane Grafted Transition Metal Catalyst DICAT-V for Chemoselective Aerobic Oxidation of 5-HMF into 2,5-Diformyl Furan	2020	ChemistrySelect	5	25	7417	7426
950	Deshmukh, A.D., Pawar, S.V., Rathod, V.K.	Ultrasound-assisted fermentative production of Polyhydroxybutyrate (PHB) in Cupriavidus necator	2020	Chemical Engineering and Processing - Process Intensification	153			
951	Burange, A.S., Tugaonkar, P.S., Thakur, S.D., Khan, R.R., Shukla, R.	Nano-crystalline HoCrO4: Efficient catalyst for Knoevenagel condensation in water: First catalytic application of Cr(V) species	2020	Nano-Structures and Nano-Objects	23			
952	Manavalan, B., Joshi, J.B., Pandey, N.K.	Design Modification in the Stationary Bowl of Annular Centrifugal Extractors to Handle Adverse Conditions	2020	Industrial and Engineering Chemistry Research	59	25	11757	11766
953	Gokhale, K.M., Telvekar, V.N.	Silica chloride (SiO2-Cl) catalyzed one pot synthesis of 2,3-disubstituted-thiazolidin-4-one	2020	Synthetic Communications	50	9	1396	1403
954	Sose, M.T., Gawas, S.D., Rathod, V.K.	Enzymatic synthesis of cinnamyl propionate from cinnamyl alcohol and propionic acid in a solvent free condition	2020	SN Applied Sciences	2	5		
955	Patil, S., Lali, A.M., Prakash, G.	An efficient algae cell wall disruption methodology for recovery of intact chloroplasts from microalgae	2020	Journal of Applied Biology and Biotechnology	8	3	23	28

956	Vaidya, A., Ravindranath, S., Annapure, U.S.	Detection and differential identification of typhoidal Salmonella using bacteriophages and resazurin	2020	3 Biotech	10	5		
957	Mahajan, U.R., Mhaske, S.T.	Kafirin-derived films for sustainable development by amidation and esterification	2020	Polymer Bulletin	77	5	2719	2735
958	Philip, J.J., Mukherjee, J., Sarkar, S., Saha, S.K.	Capillary Filling Dynamics of Electromagnetohydrodynamic Flow of Non-Newtonian Fluids	2020	Journal of Fluids Engineering, Transactions of the ASME	142	4		
959	Behera, M., Mishra, N.C., Naik, R.	Bismuth thickness-dependent structural and electronic properties of Bi/As2Se3 bilayer thin films	2020	Indian Journal of Physics	94	4	469	475
960	Khan, N.R., Rathod, V.K.	Enzymatic synthesis of cetyl oleate in a solvent-free medium using microwave irradiation and physicochemical evaluation	2020	Biocatalysis and Biotransformation	38	2	114	122
961	Bait, S., Shinde, S., Adivarekar, R., Nethi, S.N.	Synthesis, characterization, and dyeing performance of UV protective mono azo acid dyes based on 4-hydroxybenzophenone	2020	AATCC Journal of Research	7	2	19	26
962	Teli, S.M., Pawar, V.S., Mathpati, C.	Experimental and Computational Studies of Aerated Stirred Tank with Dual Impeller	2020	International Journal of Chemical Reactor Engineering	18	3		
963	Oberoi, P.R., Fuke, C.A., Maurya, C.B., Mahanwar, P.A.	Comparative study of two azo dyes using Triphenyl-Tetrazolium Chloride (TTC) on gamma irradiation induced film dosimeter	2020	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	466		82	89
964	Mallah, R.R., Mohbiya, D.R., Sekar, N.	Influence of orthogonal di- and trimerization leading to meso fused BODIPY on linear and NLO properties - TDDFT study and singlet-triplet energy distribution	2020	Journal of Photochemistry and Photobiology A: Chemistry	389			
965	Bakshi, G., Ananthanarayan, L.	Pectin degrading enzymes and their inhibitors in brined amla (Phyllanthus emblica) and lemon (Citrus limon (L.) fruits during storage	2020	Journal of Food Measurement and Characterization	14	1	95	105
966	Solanke, S., Gaval, V., Sanghavi, S.	In vitro tribological investigation and osseointegration assessment for metallic orthopedic bioimplant materials	2020	Materials Today: Proceedings	44		4173	4178
967	Parab, A.E., Mohanapriya, K., Jha, N.	Non enzymatic electrochemical detection of paraoxon methyl using zinc oxide graphene nanocomposite in water and food samples	2020	Materials Today: Proceedings	42		710	717
968	Ambadgatti, S., Patil, S., Dabade, A., SS, A., Bhushette, P., Sonawane, S.K.	A Review on Recent Trends of Ultrasound Assisted Processing in Food Segment	2020	Journal of Microbiology, Biotechnology and Food Sciences	10	1	1	4
969	Patil, R.A., Kausley, S.B., Joshi, S.M., Pandit, A.B.	Process intensification applied to microalgae-based processes and products	2020	Handbook of Microalgae-Based Processes and Products: Fundamentals and Advances in Energy,			737	769

				Food, Feed, Fertilizer, and Bioactive Compounds				
970	Suri, S., Kathuria, D., Mishra, A., Sharma, R.	Phytochemical composition and pharmacological impact of natural non-calorie sweetener- monk fruit (Siraitia grosvenorii): a review	2020	Nutrition and Food Science	51	6	897	910
971	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	2020	Journal of Pharmaceutical Innovation				
972	Solanke, S.G., Gaval, V.R.	Tribological studies of different bioimplant materials for orthopaedic application	2020	ASM Science Journal	13			
973	Kumar, D., Shahid, M.	Preface	2020	Natural Materials and Products from Insects: Chemistry and Applications			v	vi
974	Gorade, V., Chaudhary, B., Parmaj, O., Kale, R.	Preparation and Characterization of Chitosan/viscose Rayon Filament Biocomposite	2020	Journal of Natural Fibers				
975	Pherwani, P.U., Sathaye, S.	Treatment of osteoporosis: Current scenario from a research perspective	2020	Indian Journal of Pharmaceutical Education and Research	54	1	8	16
976	Saha, B., Suthar, K., Kumar, A.	Optimizing Generalized Capacitated Vehicle Routing Problem Using Augmented Savings Algorithm	2020	Advances in Intelligent Systems and Computing	990		527	541
977	Sharma, A., Gogate, P.R.	Improvements in crystallization of mefenamic acid using ultrasonic bath operating at two frequencies	2020	Chemical Engineering and Processing - Process Intensification	147			
978	Serrano, J.L., García, L., Pérez, J., Lozano, P., Correia, J., Kori, S., Kapdi, A.R., Sanghvi, Y.S.	Imine-Palladacycles as Phosphine-Free Precatalysts for Low-Temperature Suzuki-Miyaura Synthesis of Nucleoside Analogues in Aqueous Media	2020	Organometallics	39	24	4479	4490
979	Dhumal, D.M., Patil, P.D., Kulkarni, R.V., Akamanchi, K.G.	Experimentally Validated QSAR Model for Surface pKaPrediction of Heterolipids Having Potential as Delivery Materials for Nucleic Acid Therapeutics	2020	ACS Omega	5	49	32023	32031
980	Rakshit, G., Rane, A.S.	ASYMPTOTIC EXPANSION OF ITERATED GALERKIN SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND WITH GREEN'S KERNEL	2020	Journal of Integral Equations and Applications	32	4	495	507
981	Hande, P.R., Badve, P.P., Dugane, R.G., Bhagwat, S.S., Bhate, P.M.	A Three-Bath Process for Dyeing Cotton with Bis-Azo Bi-Functional Reactive Dyes Based on Diazonium Salts	2020	Fibers and Polymers	21	12	2827	2835
982	Bachhav, S.S., Dighe, V., Mali, N., Gogtay, N.J., Thatte, U.M., Devarajan, P.V.	Nose-to-Brain Delivery of Diazepam from an Intranasal Aqua-Triggered In-Situ (ATIS) Gelling Microemulsion: Monitoring Brain Uptake by Microdialysis	2020	European Journal of Drug Metabolism and Pharmacokinetics	45	6	785	799

983	Goyal, S., Sonawane, S.K., Nachal, N., Arya, S.S.	Encapsulation of Momordica Charantia Linn. (bitter gourd) juice by spray dying technique	2020	Journal of Food Measurement and Characterization	14	6	3529	3541
984	More, R.K., Lavande, N.R., More, P.M.	Role of Ba(O2)1−xO x species in improvement of selective oxidation activity of CoO x/CeO2−y	2020	Bulletin of Materials Science	43	1		
985	Satpute, S.R., Takalkar, G., Mali, N., Bhagwat, S.	Thermodynamic analysis and experimental validation of multi-composition ammonia liquor absorption engine cycle for power generation	2020	International Journal of Energy Research	44	15	12430	12443
986	Agarwala, P., Pati, S.K., Roy, L.	Unravelling the possibility of hydrogen storage on naphthalene dicarboxylate-based MOF linkers: a theoretical perspective	2020	Molecular Physics	118	21-22		
987	Panadare, D.C., Rathod, V.K.	Process intensification of Three Phase Partition for extraction of custard apple seed oil using Microwave Pretreatment	2020	Chemical Engineering and Processing - Process Intensification	157			
988	Salvi, H.M., Yadav, G.D.	Extraction of epoxide hydrolase from Glycine max using microwave-assisted three phase partitioning with dimethyl carbonate as green solvent	2020	Food and Bioproducts Processing	124		159	167
989	Pandit, A., Khare, L., Jahagirdar, D., Srivastav, A., Jain, R., Dandekar, P.	Probing synergistic interplay between bio-inspired peptidomimetic chitosan-copper complexes and doxorubicin	2020	International Journal of Biological Macromolecules	161		1475	1483
990	Bhoite, G.M., Vaidya, P.D.	Fenton oxidation and adsorption pretreatment for superior biogas recovery from biomethanated spent wash	2020	Chemical Engineering Communications	207	10	1347	1357
991	Prabhu, R., Jagtap, R., Digar, M.	Study on incorporating wattle tannin in polyvinyl acetate emulsion and its effect on properties for wood bonding application	2020	SN Applied Sciences	2	10		
992	More, S.B., Gogate, P.R., Waghmare, J.S.	Application of structured triacylglycerols in food products for value addition	2020	Heliyon	6	10		
993	Shah, N.N., Hokkanen, S., Pastinen, O., Eljamil, A., Shamekh, S.	A study on the fatty acid composition of lipids in truffles selected from Europe and Africa	2020	3 Biotech	10	10		
994	Nagavekar, N., Singhal, R.S.	Simultaneous extraction of flaxseed spice blend using supercritical carbon dioxide: Process optimization, bioactivity profile, and application as a functional seasoning	2020	Separation and Purification Technology	248			
995	Warak, P., Goswami, P.	Overview of Generation of Electricity using Tidal Energy	2020	Proceedings of 2020 IEEE 1st International Conference on Smart Technologies for Power, Energy and Control, STPEC 2020				
996	Ghodake, V., Vishwakarma, J., Vavilala, S.L., Patravale, V.	Cefoperazone sodium liposomal formulation to mitigate P. aeruginosa biofilm in Cystic fibrosis infection: A QbD approach	2020	International Journal of Pharmaceutics	587			
997	Pal, A., Mandal, B.P., Dubey, K.A., Jain, D., Bedar, A., Kumar, A., Goswami, N., Nailwal, B.C., Rath, B.N., Debnath, A.K., Singha, A.K.,	Polysulfone-Gd2Zr2O7 mixed-matrix membranes with superior radiation resistant properties: Fabrication and application of a membrane device for radioactive effluent treatment	2020	Chemical Engineering Journal Advances	1			

	Kumar, N.N., Jain, R.D., Tyagi, A.K., Bindal, R.C., Kar, S.							
998	Wazarkar, K., Sabnis, A.	Sustainable cardanol-based multifunctional carboxyl curing agents for epoxy coatings: Si–S synergism	2020	Journal of Coatings Technology and Research	17	5	1217	1230
999	P s, R.D., Joshi, S.W., Lali, A.M., Gantayet, L.M., Verma, R.	Anion exchange separation of antimony and the integrated ion exchange process for decontamination of used zircaloy pressure tubes from Indian pressurized heavy water reactors	2020	Separation Science and Technology (Philadelphia)	55	13	2325	2333
1000	Raut, A.B., Shende, V.S., Bhanage, B.M.	The one-step transformation of fructose to 2,5-diformylfuran over Ru metal supported on montmorillonite	2020	New Journal of Chemistry	44	32	13659	13668
1001	Nagavekar, N., Dubey, K., Sharma, A., Singhal, R.S.	Supercritical Extraction of Valued Components From Animals Parts	2020	Innovative Food Processing Technologies: A Comprehensive Review			597	619
1002	Yadav, S.B., Sekar, N.	Static- And frequency-dependent NLO properties of dithienothiophene and thienothiophene bridges - A computational investigation	2020	Journal of Theoretical and Computational Chemistry	19	5		
1003	Vyas, S., Khambete, M., Gudhka, R., Panchamia, S., Degani, M., Patravale, V.	Network topology of LMWG cross-linked xyloglucan hydrogels for embedding hydrophobic nanodroplets: mechanistic insight and molecular dynamics	2020	Drug Delivery and Translational Research	10	4	1076	1084
1004	Ansari, S.Z., Ingle, A.A., Shende, D.Z., Pandit, A.B.	Optimizing hydrodynamic forces for gypsum scale removal and analysis through modelling using COMSOL	2020	Journal of the Indian Chemical Society	97	7	1119	1123
1005	Ingle, A.A., Ansari, S.Z., Shende, D.Z., Wasewar, K.L., Pandit, A.B.	Hydrogenation of 2-ethylanthraquinone with Pd supported on hollow ceramic microsphere catalyst: An experimental and kinetic study	2020	Journal of the Indian Chemical Society	97	7	1033	1037
1006	Pai, S.A., Munshi, R.P., Juvekar, A.R.	Partially hydrogenated vegetable oil containing 5% trans fats when combined with fructose exacerbates obesity and non-alcoholic fatty liver disease in rats	2020	Nutrire	45	1		
1007	Shweta, K., Patwardhan Anand, V.	Solvent extraction and supported liquid membrane studies for Ag(I) separation using a novel thiodiglycolamide-based ligand	2020	Research Journal of Chemistry and Environment	24	6	78	87
1008	Trimukhe, A.M., Pofali, P.A., Vaidya, A.A., Koli, U.B., Dandekar, P., Deshmukh, R.R., Jain, R.D.	Pulsed plasma surface functionalized nanosilver for gene delivery	2020	Frontiers in Bioscience - Landmark	25	10	1854	1874
1009	Salve, A.R., Arya, S.S.	Bioactive constituents, microstructural and nutritional quality characterisation of peanut flat bread	2020	Journal of Food Measurement and Characterization	14	3	1582	1594
1010	Singh, P.S., Shaikh, A., Deshmukh, A., Pratap, A.P.	Microwave assisted synthesis of cationic amino sugar surfactants [Mikrowellenunterstützte Synthese von kationischen Amino-Zuckertensiden.]	2020	Tenside, Surfactants, Detergents	57	3	265	272
1011	Chawla, S.S., Gorakshakar, A.C., Ghosh, K.K.,	Fabrication of gelatin functionalized silver nanoparticles for blood group profiling	2020	Nanotechnology	31	29		

	Madkaikar, M.R., Devarajan, P.V.							
1012	Jain, A., Mohan, A., Yusuf, S.M.	Optical floating-zone growth of single crystals of Li-ion battery material LiCoO2	2020	Journal of Crystal Growth	536			
1013	Deb, S.S., Reshamwala, S.M.S.	Recent progress in DNA parts standardization and characterization	2020	Advances in Synthetic Biology			43	69
1014	Meshram, P.D., Bhagwat, S.S.	Dynamic adsorption of Cd2+ from aqueous solution using biochar of pine-fruit residue	2020	Indian Chemical Engineer	62	2	170	183
1015	Kale, R.D., Gorade, V.G., Parmaj, O.	Novel Sericin/Viscose Rayon-Based Biocomposite: Preparation and Characterization	2020	Journal of Natural Fibers	17	4	532	541
1016	Hiware, S.B., Gaikar, V.G.	Solvent-free esterification of stearic acid and ethylene glycol with heterogeneous catalysis in a stirred batch microwave reactor	2020	SN Applied Sciences	2	4		
1017	Naha, S., Joshi, C., Chandrashekhar, B., Sreekrishnan, T.R., Goswami, P., Sevda, S.	Bioelectrosynthesis of Organic and Inorganic Chemicals in Bioelectrochemical System	2020	Journal of Hazardous, Toxic, and Radioactive Waste	24	2		
1018	Dobhal, A., Srivastav, A., Dandekar, P., Jain, R.	Insights into the miscibility of polymethyl methacrylate (PMMA) and nile blue oxazone (NBO) flurophores: tacticity and chain length aspects	2020	Computational Materials Science	175			
1019	Pawar, A., Biranje, S., Patankar, K., Adivarekar, R.V.	Statistical modelling for optimisation of dyeing of silk with semisynthetic azo dye made by chemical modification of areca nut	2020	Research Journal of Textile and Apparel	24	1	20	37
1020	Arputharaj, A., Nadanathangam, V., Shukla, S.R.	Development of multi-functional cotton surface for sportswear using nano zinc oxide	2020	Journal of Natural Fibers	17	3	346	358
1021	Madankar, C.S., Sahare, P.C., Meshram, P.D.	Comparative analysis of rosemary oil extraction and preparation of nanoemulsion using ultrasonic cavitation	2020	Journal of the Indian Chemical Society	97	3	396	402
1022	Vadgama, R.N., Khatkhatay, A.B., Odaneth, A.A., Lali, A.M.	Green synthesis of methyl-12-hydroxyoctadec-9-enoate	2020	Sustainable Chemistry and Pharmacy	15			
1023	Pisal, D.S., Yadav, G.D.	Selectivity Engineering in One-Pot Selective Synthesis of Drug Nabumetone over Novel Ni-Promoted La-Mg Oxide/Mesoporous Cellular Foam as Catalyst and Kinetic Modeling	2020	Industrial and Engineering Chemistry Research	59	7	2781	2795
1024	Praharaj Bhatnagar, M., Mahanwar, P.	Investigating the compatibility of thermoplastic polyester elastomer/high-density polyethylene blends and its effect on the horizontal flame propagation	2020	Plastics, Rubber and Composites	49	2	66	78
1025	Ramsingh Girase, T., Bhilare, S., Sankar Murthy Bandaru, S., Chrysochos, N., Schulzke, C., Sanghvi, Y.S., Kapdi, A.R.	Carbazole-Based N-Heterocyclic Carbenes for the Promotion of Copper-Catalyzed Palladium-Free Homo-/Hetero-Coupling of Alkynes and Sonogashira Reactions	2020	Asian Journal of Organic Chemistry	9	2	274	291
1026	Arora, S., Mestry, S., Singh, H.K., Mhaske, S.T.	Sol–gel based layer-by-layer deposits of lanthanum cerium molybdate nanocontainers and their anticorrosive attributes	2020	Iranian Polymer Journal (English Edition)	29	2	133	146

1027	Pawar, H.S.	Sulfonic Acid Anchored Heterogeneous Acid-Catalyst DICAT-3 for Conversion of Xylose into Furfural in Biphasic Solvent System	2020	ChemistrySelect	5	2	916	923
1028	Patil, V., Sekar, N., Padalkar, V.S., Rajput, J., Patil, S.R., Patil, S.V.	Molecular properties of 5-(1H-Benzo[D]Oxa, thia, imid azole-2-Yl)-2-methyl quinazolin-4-ol fluorescent brighteners: Theoretical and experimental approach	2020	Journal of Molecular Structure	1199			
1029	Behera, M., Mishra, N.C., Naik, R.	Laser irradiation-induced structural, microstructural and optical properties change in Bi-doped As40Se60 thin films	2020	Phase Transitions	93	1	148	157
1030	Bedar, A., Lenka, R.K., Goel, N.K., Kumar, S., Jain, R.D., Singh, B.G., Tewari, P.K., Bindal, R.C., Kar, S.	Enhancement of γ-radiation stability of polysulfone membrane matrix by reinforcement of hybrid nanomaterials of nanodiamond and ceria	2020	Materials Advances	1	5	1220	1231
1031	Sonar, M.P., Rathod, V.K.	Optimization Study of Marmelosin (Imperatorin) Extraction from Aegle marmelos Using Three Phase Partitioning	2020	Journal of Biologically Active Products from Nature	10	5	418	428
1032	Patil, H., Shanmugam, V., Marathe, K.	Studies in synthesis and modification of PES membrane and its application for removal of reactive black 5 dye	2020	Indian Chemical Engineer				
1033	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)	2020	Indian Chemical Engineer				
1034	Gawas, S.D., Rathod, V.K.	Ultrasound assisted green synthesis of 2-ethylhexyl stearate: A cosmetic bio-lubricant	2020	Journal of Oleo Science	69	9	1043	1049
1035	Hatvate, N.T., Ghodse, S.M., Mundlod, K.N., Telvekar, V.N.	Metal-free synthesis of pyrimidinone derivatives via biginelli reaction using aqueous NaICL2	2020	Letters in Organic Chemistry	17	8	613	617
1036	Bhairat, S.P.	On stability of generalized cauchy-type problem	2020	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis	27	4	235	244
1037	Takalkar, G.D., Bhosale, R.R., Mali, N.A., Bhagwat, S.S.	Energetic and exergetic performance of NH3-H2O-based absorption refrigeration cycle: Effect of operating factor	2020	International Journal of Exergy	31	4	352	369
1038	Agre, N., Tawari, N., Maitra, A., Gupta, A., Munshi, T., Degani, M., Bhakta, S.	3-(5-nitrofuran-2-yl)prop-2-en-1-one derivatives, with potent antituberculosis activity, inhibit a novel therapeutic target, arylamine n-acetyltransferase, in mycobacteria	2020	Antibiotics	9	7	1	10
1039	Patil, R., Levin, S., Rajkumar, S., Ajmal, T.	Design of a smart system for rapid bacterial test	2020	Water (Switzerland)	12	1		
1040	Sonawane, S.K., Patil, S., S.S, A.	Effect of Protein Hydrolysates from Limonia (L.) acidissima and Citrullus (C.) lanatus on Anthocyanin Degradation	2020	International Journal of Fruit Science	20	S2	S231	S239
1041	Patil, M., Wanjare, S., Borse, V., Srivastava, R., Mehta, P., Vavia, P.	Arginolipid: A membrane-active antifungal agent and its synergistic potential to combat drug resistance in clinical Candida isolates	2020	Archiv der Pharmazie	353	1		
1042	Ghorpade, S., Goswami, P.	Solar-Aided Coal Fired Power Generation-A review	2020	ICPECTS 2020 - IEEE 2nd International				

				Conference on Power, Energy, Control and Transmission Systems, Proceedings				
1043	Choubey, S., Goswami, P., Gautam, S.	AI based sustainable approach for metal extraction from e-waste: A comprehensive literature review	2020	Proceedings of the 3rd International Conference on Intelligent Sustainable Systems, ICISS 2020			1445	1449
1044	Gaurav, M., Maithili, J., Shreerang, J.	Non-steroidal human performance enhancing agents	2020	Indian Drugs	57	12	7	25
1045	Yadav, A., Pawar, S.S., Patwardhan, A.V., Adivarekar, R.V.	Estimation of effluent quality using natural coagulant	2020	Asian Dyer	17	6	25	29
1046	Shinde, S.S., Jadhav, A.G., Sekar, N.	Benzophenone based photostable fluorescent monoazo disperse dyes: Synthesis, AIE, viscosity, UPF and TD-DFT study	2020	SN Applied Sciences	2	12		
1047	Arude, V.G., Deshmukh, S.P., Patil, P.G., Shukla, S.K.	Single locking cotton feeder for enhancing ginning efficiency of double roller gin	2020	AMA, Agricultural Mechanization in Asia, Africa and Latin America	51	1	24	28
1048	Shet, H., Bhilare, S., Sanghvi, Y.S., Kapdi, A.R.	Tandem Homometallic or Multimetallic Catalysis for Assembly of Base-Modified Nucleosides	2020	Current Protocols in Nucleic Acid Chemistry	83	1		
1049	Sutar, T., Maiti, S., Adivarekar, R.V.	Application of herbal coating on nonwoven gauze to boost antimicrobial efficiency	2020	Asian Dyer	16	6	49	53
1050	Sundararajan, S., Samui, A.B.	Smart nano-enhanced organic phase change materials for thermal energy storage applications	2020	Advanced polymeric systems: Applications in nanostructured materials, composites and biomedical fields			30	29
1051	Pawar, R., Patravale, V.	A Step towards Treating Dengue Viral Infection: An In Silico Approach to Identify Potential Antidengue Phytoconstituents	2020	ChemistrySelect	5	44	13837	13854
1052	Kulkarni, P.A., Deshmukh, S.P.	Efficiency Intensification of a Solar Structure and Comparison of PI Controller Based Converter Topologies using MATLAB SIMULINK	2020	2020 IEEE International Conference for Innovation in Technology, INOCON 2020				
1053	Sahoo, D., Aparimita, A., Alagarasan, D., Varadharajaperumal, S., Ganesan, R., Naik, R.	Effect of annealing temperature on the optical and structural properties of As40Se50Ge10thin films	2020	AIP Conference Proceedings	2265			
1054	Raut, V., Das, D.	Metal organic framework (MOF) modified with carbon black for boosting the ORR activity in alkaline electrolyte	2020	AIP Conference Proceedings	2265			

1055	Naik, R., Parija, A., Mohapatra, S.	Enhancement of X(3) by Sb substitution in As40Se50Ge10 amorphous semiconducting thin films	2020	AIP Conference Proceedings	2265			
1056	Jadhav, A.J., Deshpande, A.S., Holkar, C.R., Pinjari, D.V.	Ultrasound assisted citronella oil in water nanoemulsion and comparison with conventional methods	2020	Indian Journal of Chemical Technology	27	6	470	478
1057	Ingle, U., Lali, A.	Preparative separation of nebivolol isomers by improved throughput reverse phase tandem two column chromatography	2020	Chirality	32	11	1324	1335
1058	Tarade, R.S., Mahanwar, P.A.	Toughened Composite of Polycarbonate/Wollastonite with Styrene–Butadiene Copolymer and Ethylene-Methyl Acrylate Elastomers	2020	Journal of Vinyl and Additive Technology	26	4	481	489
1059	Dwivedi, P., Kumar, A.	A Study of Indian Stock Market using Matrix Variate Dynamic Model	2020	2020 IEEE 5th International Conference on Computing Communication and Automation, ICCCA 2020			286	291
1060	Patil, M.P., Vaidya, P.D., Kenig, E.Y.	Kinetics of carbon dioxide removal using N-acetylglucosamine	2020	ACS Omega	5	42	27043	27049
1061	Telvekar, V.N., Mundlod, K.N., Jadhav, G.B., Hatvate, N.T., Ghodse, S.M.	Synthesis of novel molecular hybrid 3-(4,5-dihydro-1h-pyrazol-3-yl)-4-hydroxy-2h-chromen-2-one derivatives and in vitro α-glucosidase and α-amylase inhibitory activity	2020	Research Journal of Pharmacy and Technology	13	10	4529	4534
1062	Dwivedi, P., Kumar, A.	Sentiment analysis of indian stock market using linear dynamical system	2020	2020 IEEE International Conference on Computing, Power and Communication Technologies, GUCON 2020			629	634
1063	Jadhav, P., Gokarna, V., Deshpande, V., Vavia, P.	Correction to: Bioavailability Enhancement of Olmesartan Medoxomil Using Hot-Melt Extrusion: In-Silico, In-Vitro, and In-Vivo Evaluation (AAPS PharmSciTech, (2020), 21, 7, (254), 10.1208/s12249-020-01780-3)	2020	AAPS PharmSciTech	21	7		
1064	Bedar, A., Kumar, V., Debnath, A.K., Kumar, N.N., Jain, R., Tewari, P.K., Bindal, R.C., Kar, S.	Effect of nanodiamond size on γ-radiation resistance property of polysulfone-nanodiamond mixed-matrix membranes	2020	Diamond and Related Materials	108			
1065	Kulkarni, H., Bhange, V., Lishma, P.L., Mathpati, C.S.	Application of artificial intelligence to predict flow assisted corrosion in nuclear/thermal power plant	2020	Indian Journal of Chemical Technology	27	5	418	423
1066	Husain, Z., Tiwari, S.S., Kataria, A., Mathpati, C.S., Pandit, A.B., Joshi, J.B.	Computational Fluid Dynamic Study of Biomass Cook Stove-Part 2: Devolatilization and Heterogeneous Combustion	2020	Industrial and Engineering Chemistry Research	59	32	14507	14521
1067	Kharkar, P.S., Shah, C.P., Sahu, N.U.	Drug repurposing for breast cancer: Preliminary medicinal chemistry investigations and future perspectives	2020	Journal of the Indian Chemical Society	97	8	1245	1250

1068	De, S.S., Vogalu, S.K., Ansari, N., Patil, R., Sriram, D., Degani, M.S.	2,4-Diaminotriazines as anti-infective agents	2020	Journal of the Indian Chemical Society	97	8	1211	1215
1069	Pisal, D.S., Yadav, G.D.	A novel single-step hydrogenation of 2-imidazolecarboxaldehyde to 2-methylimidazole over Pd-impregnated Al-Ti mixed oxide and kinetics	2020	Reaction Chemistry and Engineering	5	8	1461	1473
1070	Kumari, S., Nesamma, A.A., Lali, A.M., Jutur, P.P., Prakash, G.	The chloroplast genome of a resilient chlorophycean microalga Asterarcys sp.	2020	Algal Research	49			
1071	Dash, P., Ananthanarayan, L.	Development of Kesari dal (Lathyrus sativus) protein hydrolysates, with reduced β-ODAP content exhibiting anti-oxidative and anti-diabetic properties	2020	Journal of Food Measurement and Characterization	14	4	2108	2125
1072	Vyas, S., Khambete, M., Gudhka, R., Panchamia, S., Degani, M., Patravale, V.	In silico modeling of functionalized poly(methylvinyl ether/maleic acid) for controlled drug release in the ocular milieu	2020	Drug Delivery and Translational Research	10	4	1085	1094
1073	Sawant, V.M., Gaikar, V.G.	Effective separation of uranyl(II) and thorium(IV) ions from mixtures with neodymium(III) using citric acid and hexabutyl citramide as ligands grafted on mesoporous silica and polystyrene adsorbents	2020	Separation Science and Technology (Philadelphia)	55	10	1795	1812
1074	Jain, S., Maidh, T., Badole, M.	Enhanced reaction rate by using N,N-dimethylformamide as a catalyst in Knoevenagel condensation	2020	Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry	59 B	7	1025	1029
1075	Tamoli, S.M., Kohli, K.R., Kaikini, A.A., Muke, S.A., Shaikh, A.A., Sathaye, S.	Vasant Kusmakar Ras, an ayurvedic herbo-mineral formulation prevents the development of diabetic retinopathy in rats	2020	Journal of Ayurveda and Integrative Medicine	11	3	270	276
1076	Anand, K.B., Mohanapriya, K., Datar, S.D., Jha, N.	Solar reduced graphene oxide coated sponge for oil and organic solvent adsorption studies	2020	IOP Conference Series: Materials Science and Engineering	872	1		
1077	Joglekar-Athavale, A., Shankarling, G.S.	Deep eutectic solvent: a green and sustainable alternative for the synthesis of copper phthalocyanine blue and its value added applications	2020	Pigment and Resin Technology	49	4	325	330
1078	Bhairat, S.P.	New approach to existence of solution for weighted cauchy-type problem	2020	Journal of Mathematical Modeling	8	4	377	391
1079	Chavan, A., Thorat, B.	Mathematical analysis of solar conduction dryer using reaction engineering approach	2020	International Journal of Chemical Reactor Engineering	18	06-May		
1080	Tupe, R., Ananthanarayan, L.	Estimation of starch and sugars for detection of potential adulteration in kaju katli, a popular cashew nut based Indian confection	2020	Journal of Microbiology, Biotechnology and Food Sciences	9	6	1151	1156
1081	Teli, S.M., Mathpati, C.S.	Computational fluid dynamics of rectangular external loop airlift reactor	2020	International Journal of Chemical Reactor Engineering	18	5		

1082	Acharya, S.K., Porwal, K.	Primal hybrid finite element method for fourth order parabolic problems	2020	Applied Numerical Mathematics	152		12	28
1083	Venkateshwarlu, R., Nath Singh, S., Siddaiah, V., Ramamohan, H., Dandela, R., Amirul Hossain, K., Vijaya Babu, P., Pal, M.	Ultrasound assisted rapid synthesis of mefenamic acid based indole derivatives under ligand free Cu-catalysis: Their pharmacological evaluation	2020	Bioorganic and Medicinal Chemistry Letters	30	10		
1084	Sancheti, S.V., Jain, R.K., Jindani, S., Ganguly, B., Yadav, G.D., Ghosh, P.K.	Synthesis of unsaturated drying oils from saturated fatty oils derived from renewable feedstocks	2020	Industrial and Engineering Chemistry Research	59	19	8911	8920
1085	Navaneetha Pandiyaraj, K., Vasu, D., Padmanabhan, P.V.A., Deshmukh, R.R., Kandavelu, V., Saravanan, D., Tabaei, P.S.E., Cools, P., De Geyter, N., Morent, R.	Non-thermal atmospheric pressure plasma jet-assisted degradation of azo dye–acid orange 7 (Ao7): Influence of operating parameters and toxicity evaluation	2020	Desalination and Water Treatment	185		344	354
1086	Kane, P.B., Contractor, A., Barwar, S., Kale, R.D.	Banana leaves mediated bio-synthesis of silver nanoparticles	2020	Indian Journal of Chemical Technology	27	3	243	247
1087	Phapale, D., Das, D.	Photoswitchable azobenzene functionalized anthraquinone and benzimidazole Ru(II)-p-cymene organometallic complexes	2020	Journal of Organometallic Chemistry	913			
1088	Jain, P.U., Samant, S.D.	Bi2O3@mSiO2 as an Environmentally Benign and Sustainable Solid Acid Catalyst for Benzoylation of Aromatics: Impact of Silica Encapsulation on Catalyst Leaching and Reaction Synergy	2020	ChemistrySelect	5	15	4437	4446
1089	Natwarlal Vadgama, R., Anil, A., Lali, A.	Identification of Glyceryl MonoRicinoleate (GMR) isomers using RP-HPLC and regio-specificity of lipases	2020	Preparative Biochemistry and Biotechnology	50	4	401	407
1090	Rathi, J.O., Shankarling, G.S.	Ultrasound Promoted Oxamate Synthesis: A Chemoselective and Direct Approach from Amines	2020	ChemistrySelect	5	9	2787	2793
1091	Annapure, U.S., Ghanate, A.S., Halde, P.S.	Ethnic fermented foods and beverages of Maharashtra	2020	Ethnic Fermented Foods and Beverages of India: Science History and Culture			305	348
1092	Bhagwat, S.S., Madankar, C.S., Puri, R.G., Sirsam, R.S., Meshram, P.D.	Adsorption of Cd2+ from mono-metal solution by pine biochar: Equilibrium and kinetic studies	2020	Journal of the Indian Chemical Society	97	3	428	433
1093	Patravale, V.B.	COVID-19: New paradigms for disease management	2020	Indian Drugs	57	3	5	6
1094	Kulkarni, P., Deshmukh, S.	To optimize the conduct of a photovoltaic structure using different DC-DC conversion topologies with emerging methods for control algorithms	2020	2020 International Conference on Convergence to Digital World - Quo Vadis, ICCDW 2020				

1095	Patil, H.I., Kanjilal, K., Maiti, S., Adivarekar, R.V.	Study on surfactant building blocks in scouring and bleaching of cotton fabric	2020	Asian Dyer	17	1	24	30
1096	Yadav, G.D., Varghese, S.	Enhancing Activity by Supercritical CO2 Mediated Immobilization of Lipase on Mesocellular Foam in Preparation of Hexyl Laurate	2020	Applied Biochemistry and Biotechnology	190	2	686	702
1097	Amin, P.D., Raimi-Abraham, B.T., Shah, D.S., Gurram, S.	Medicated topicals	2020	Remington: The Science and Practice of Pharmacy			381	393
1098	Maniruzzaman, M., Pawar, J.	Hot-melt extrusion: A versatile technology	2020	Remington: The Science and Practice of Pharmacy			645	653
1099	Divekar, M., Gaval, V.R., Wonisch, A., Jadhav, G.	Advancement in warpage prediction of thermoplastic glass filled material through integrative simulation approach	2020	Materials Today: Proceedings	44		4216	4222
1100	Chavan, A.R., Jayaram, R.V., Bhagwat, S.S.	Cadmium removal by adsorption: Enhancement by surfactant mediation	2020	Journal of Surface Science and Technology	36	04-Mar	89	101
1101	Joglekar-Athavale, A., Shankarling, G.S.	Thermally stable black metal oxide-based modified pigment mix for solar selective absorbers	2020	Pigment and Resin Technology	50	3	241	254
1102	Oak, R.S., Sarode, D.D., Joshi, J.B., Chavan, S.A.	EFFECT OF BIOCHAR ON SOYBEAN YIELD AND SOIL PROPERTIES IN A SEMI-ARID VERTISOL	2020	Biochemical and Cellular Archives	20	1	2523	2530
1103	Joglekar-Athavale, A., Shankarling, G., Dubey, S., Deshpande, V., Jaiswal, B., Nayak, A.	Solar absorptive coating: a thermally stable spinel pigment based coating with inorganic binder for waterborne paint	2020	Pigment and Resin Technology	50	4	302	308
1104	Shaikh, E., Khare, L., Jain, R., Dandekar, P.	Design of experimental approach for maximal extraction of vitamin d2 from mushrooms	2020	Journal of Food and Nutrition Research	59	4	367	379
1105	Humbe, S.S., Joshi, G.M., Deshmukh, R.R., Dhanumalayan, E., Kaleemulla, S.	Improved under damped oscillator properties of polymer blends for electronic applications	2020	Mechanics of Time-Dependent Materials				
1106	Sekar, N., Shinde, S.	Comparative studies of excited state intramolecular proton transfer (ESIPT) and azohydrazone tautomerism in naphthalene-based fluorescent acid azo dyes by computational study	2020	Physical Sciences Reviews				
1107	Shirkole, S.S.	A bibliometric analysis of publications in Drying Technology in selected drying areas	2020	Drying Technology	38	16	2115	2117
1108	Davis, J., Ganju, S., Venkatesh, A., Bailey, S., Brehm, C.	An investigation of dominant flow features in rotating turbulent pipe flows	2020	AIAA Scitech 2020 Forum	1 PartF			
1109	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	2020	Journal of Pharmaceutical Innovation				
1110	Gadhave, R.V., S.K, V., Dhawale, P.V., Gadekar, P.T.	Effect of boric acid on poly vinyl alcohol- tannin blend and its application as water-based wood adhesive	2020	Designed Monomers and Polymers	23	1	188	196

1111	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	2020	Indian Chemical Engineer				
1112	Mishra, V.R., Ghanavatkar, C.W., Shukla, V.K., Sekar, N.	Effect of substituent on photostability and lightfastness of azo dye and their photodegradation mechanism - Mechanistic study using density functional theory	2020	Computational Chemistry Methods: Applications			115	130
1113	Dhoble, S., Dhage, S., Pulakkat, S., Patravale, V.B.	Opportunities and challenges in targeted carrier-based intracellular drug delivery: Increased efficacy and reduced toxicity	2020	Novel Drug Delivery Technologies: Innovative Strategies for Drug Re-positioning			403	431
1114	Deshmukh, R.R., Kalekar, A.S., Khaladkar, S.R., Maurya, O.C.	Versatile 1-D Nanostructures for Green Energy Conversion and Storage Devices	2020	Green Energy and Technology			329	354
1115	Joshi, M.H., Patil, A.A., Chaudhary, S., Kale, R.D.	Microbial synthesis of CuNPs using Brevundimonas diminuta strain and its antibacterial activity	2020	Advances in Natural Sciences: Nanoscience and Nanotechnology	11	1		
1116	Kerkar, S.P., Patil, S., S. S, A., Dabade, A., Sonawane, S.K.	Limonia acidissima: Versatile and Nutritional Fruit of India	2020	International Journal of Fruit Science	20	S2	S405	S413
1117	Waval, A.S., Patel, P., Nemade, P.R., Mathpati, C.S.	Experimental studies in antisolvent crystallization: Effect of antisolvent ratio and mixing patterns	2020	Indian Journal of Chemical Technology	27	1	18	25
1118	Yadav, N., Rajendra, J., Acharekar, A., Dutt, S., Vavia, P.	Effect of Glucosamine Conjugate-Functionalized Liposomes on Glioma Cell and Healthy Brain: An Insight for Future Application in Brain Infusion	2020	AAPS PharmSciTech	21	1		
1119	Ganjare, A.V., Patwardhan, A.W.	CFD simulations of single-phase flow in settling tanks: comparison of turbulence models	2020	Indian Chemical Engineer	62	4	413	426
1120	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			
1121	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			
1122	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			
1123	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			
1124	Singh, B., Sharma, V., Gaikwad, R.P., Fornasiero, P., Zbořil, R., Gawande, M.B.	Single-Atom Catalysts: A Sustainable Pathway for the Advanced Catalytic Applications	2021	Small	17	16		
1125	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			

1126	Sharma, P., Kumar, S., Tomanec, O., Petr, M., Zhu Chen, J., Miller, J.T., Varma, R.S., Gawande, M.B., Zbořil, R.	Carbon Nitride-Based Ruthenium Single Atom Photocatalyst for CO2 Reduction to Methanol	2021	Small	17	16		
1127	Seera, S.D.K., Kundu, D., Gami, P., Naik, P.K., Banerjee, T.	Synthesis and characterization of xylan-gelatin cross-linked reusable hydrogel for the adsorption of methylene blue	2021	Carbohydrate Polymers	256			
1128	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
1129	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			
1130	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
1131	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
1132	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
1133	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
1134	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
1135	Singh, S., Patil, T., Tekade, S.P., Gawande, M.B., Sawarkar, A.N.	Studies on individual pyrolysis and co-pyrolysis of corn cob and polyethylene: Thermal degradation behavior, possible synergism, kinetics, and thermodynamic analysis	2021	Science of the Total Environment	783			
1136	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			
1137	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		
1138	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			
1139	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		
1140	Thanekar, P., Gogate, P.R., Znak, Z., Sukhatskiy, Y., Mnykh, R.	Degradation of benzene present in wastewater using hydrodynamic cavitation in combination with air	2021	Ultrasonics Sonochemistry	70			

1141	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
1142	Sahoo, D., Priyadarshini, P., Aparimita, A., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Optimization of linear and nonlinear optical parameters of As40Se50Te10 thin films by thermal annealing	2021	Optics and Laser Technology	140			
1143	Pandiyaraj, K.N., Vasu, D., Ghobeira, R., Tabaei, P.S.E., De Geyter, N., Morent, R., Pichumani, M., Padmanabhanan, P.V.A., Deshmukh, R.R.	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			
1144	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			
1145	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			
1146	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			
1147	Supe, S., Takudage, P.	Methods for evaluating penetration of drug into the skin: A review	2021	Skin Research and Technology	27	3	299	308
1148	Sahoo, D., Priyadarshini, P., Dandela, R., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	In situ laser irradiation: The kinetics of the changes in the nonlinear/linear optical parameters of As50Se40Sb10thin films for photonic applications	2021	RSC Advances	11	26	16015	16025
1149	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			
1150	Gujar, S.K., Gogate, P.R., Kanthale, P., Pandey, R., Thakre, S., Agrawal, M.	Combined oxidation processes based on ultrasound, hydrodynamic cavitation and chemical oxidants for treatment of real industrial wastewater from cellulosic fiber manufacturing sector	2021	Separation and Purification Technology	257			
1151	Vedula, S.S., Yadav, G.D.	Chitosan-based membranes preparation and applications: Challenges and opportunities	2021	Journal of the Indian Chemical Society	98	2		
1152	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			
1153	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			

1154	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			
1155	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
1156	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			
1157	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
1158	Mahapatra, S., Dey, B., Raj, S.	A novel ameliorated Harris hawk optimizer for solving complex engineering optimization problems	2021	International Journal of Intelligent Systems	36	12	7641	7681
1159	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
1160	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
1161	Yashwantrao, G., Saha, S.	Recent advances in the synthesis and reactivity of quinoxaline	2021	Organic Chemistry Frontiers	8	11	2820	2862
1162	Pieta, I.S., Kadam, R.G., Pieta, P., Mrdenovic, D., Nowakowski, R., Bakandritsos, A., Tomanec, O., Petr, M., Otyepka, M., Kostecki, R., Khan, M.A.M., Zboril, R., Gawande, M.B.	The Hallmarks of Copper Single Atom Catalysts in Direct Alcohol Fuel Cells and Electrochemical CO2 Fixation	2021	Advanced Materials Interfaces	8	8		
1163	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			
1164	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			
1165	Zambare, R.S., Nemade, P.R.	Ionic liquid-modified graphene oxide sponge for hexavalent chromium removal from water	2021	Colloids and Surfaces A: Physicochemical and Engineering Aspects	609			
1166	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
1167	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
1168	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

1169	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			
1170	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
1171	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
1172	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
1173	Priyadarshini, P., Das, S., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Role of Bismuth incorporation on the structural and optical properties in BixIn35-xSe65 thin films for photonic applications	2021	Journal of the American Ceramic Society	104	11	5803	5814
1174	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			
1175	Panda, R., Khan, S.A., Singh, U.P., Naik, R., Mishra, N.C.	The impact of fluence dependent 120 MeV Ag swift heavy ion irradiation on the changes in structural, electronic, and optical properties of AgInSe2nano-crystalline thin films for optoelectronic applications	2021	RSC Advances	11	42	26218	26227
1176	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			
1177	Mishra, A.A., Bhanage, B.M.	Ru-TsDPEN catalysts and derivatives in asymmetric transfer hydrogenation reactions	2021	Chirality	33	7	337	378
1178	Dhumal, P.S., Khose, R.V., Wadekar, P.H., Lokhande, K.D., Some, S.	Graphene-bentonite supported free-standing, flexible membrane with switchable wettability for selective oil–water separation	2021	Separation and Purification Technology	266			
1179	Jadhav, H.B., Annapure, U.S., Deshmukh, R.R.	Non-thermal Technologies for Food Processing	2021	Frontiers in Nutrition	8			
1180	Kar, M.R., Ray, S., Patra, B.K., Bhaumik, S.	State of the art and prospects of metal halide perovskite core@shell nanocrystals and nanocomposites	2021	Materials Today Chemistry	20			
1181	Jhulki, S., Un, H.-I., Ding, Y.-F., Risko, C., Mohapatra, S.K., Pei, J., Barlow, S., Marder, S.R.	Reactivity of an air-stable dihydrobenzoimidazole n-dopant with organic semiconductor molecules	2021	Chem	7	4	1050	1065
1182	Gawande, M.B., Ariga, K., Yamauchi, Y.	Single-Atom Catalysts	2021	Small	17	16		
1183	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
1184	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

1185	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		
1186	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
1187	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			
1188	Jadhav, H., Annapure, U.	Greener route for intensified synthesis of Tricaprylin using Amberlyst-15	2021	Journal of Chemical Sciences	133	1		
1189	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
1190	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
1191	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		
1192	Mapari, S., Mestry, S., Mhaske, S.T.	Developments in pressure-sensitive adhesives: a review	2021	Polymer Bulletin	78	7	4075	4108
1193	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			
1194	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
1195	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		
1196	Indurkar, A., Pandit, A., Jain, R., Dandekar, P.	Plant-based biomaterials in tissue engineering	2021	Bioprinting	21			
1197	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			
1198	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

1199	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
1200	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
1201	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
1202	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
1203	Alagarasan, D., Varadharajaperumal, S., Kumar, K.D.A., Naik, R., Umrao, S., Shkir, M., AlFaify, S., Ganesan, R.	Influence of nanostructured SnS thin films for visible light photo detection	2021	Optical Materials	121			
1204	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
1205	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			
1206	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		
1207	Adsare, S.R., Annapure, U.S.	Microencapsulation of curcumin using coconut milk whey and Gum Arabic	2021	Journal of Food Engineering	298			
1208	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			
1209	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			
1210	Sahoo, D., Priyadarshini, P., Dandela, R., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Investigation of amorphous-crystalline transformation induced optical and electronic properties change in annealed As50Se50 thin films	2021	Optical and Quantum Electronics	53	4		
1211	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			

1212	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			
1213	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
1214	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			
1215	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			
1216	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
1217	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
1218	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
1219	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
1220	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			
1221	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			
1222	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
1223	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
1224	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	05-Apr	421	435
1225	Wagle, P.G., Tamboli, S.S., More, A.P.	Peelable coatings: A review	2021	Progress in Organic Coatings	150			
1226	Aklujkar, P.S., Kandasubramanian, B.	A review of microencapsulated thermochromic coatings for sustainable building applications	2021	Journal of Coatings Technology and Research	18	1	19	37
1227	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

1228	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		
1229	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			
1230	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			
1231	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
1232	Jadhav, H.B., Annapure, U.	Designer lipids -synthesis and application – A review	2021	Trends in Food Science and Technology	116		884	902
1233	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
1234	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		
1235	Mirchandani, Y., Patravale, V.B., Brijesh, S.	Solid lipid nanoparticles for hydrophilic drugs	2021	Journal of Controlled Release	335		457	464
1236	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
1237	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			
1238	Chaturvedi, S., Chakraborty, S.	Review on potential non-dairy synbiotic beverages: a preliminary approach using legumes	2021	International Journal of Food Science and Technology	56	5	2068	2077
1239	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			
1240	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
1241	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		
1242	Badgujar, V.C., Badgujar, K.C., Yeole, P.M., Bhanage, B.M.	Investigation of effect of ultrasound on immobilized C. rugosa lipase: Synthesis of biomass based furfuryl derivative and green metrics evaluation study	2021	Enzyme and Microbial Technology	144			

1243	Bhimrao Muley, A., Bhalchandra Pandit, A., Satishchandra Singhal, R., Govind Dalvi, S.	Production of biologically active peptides by hydrolysis of whey protein isolates using hydrodynamic cavitation	2021	Ultrasonics Sonochemistry	71			
1244	Navaneetha Pandiyaraj, K., Vasu, D., Ramkumar, M.C., Deshmukh, R.R., Ghobeira, R.	Improved degradation of textile effluents via the synergetic effects of Cu-CeO2 catalysis and non-thermal atmospheric pressure plasma treatment	2021	Separation and Purification Technology	258			
1245	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
1246	Joshi, H.A., Patwardhan, R.S., Sharma, D., Sandur, S.K., Devarajan, P.V.	Pre-clinical evaluation of an innovative oral nano-formulation of baicalein for modulation of radiation responses	2021	International Journal of Pharmaceutics	595			
1247	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		
1248	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			
1249	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			
1250	Misal, B., Palav, A., Ganwir, P., Chaturbhuj, G.	Activator free, expeditious and eco-friendly chlorination of activated arenes by N-chloro-N-(phenylsulfonyl)benzene sulfonamide (NCBSI)	2021	Tetrahedron Letters	63			
1251	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
1252	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
1253	Swetha Shekarappa, G., Mahapatra, S., Raj, S.	Voltage Constrained Reactive Power Planning by Ameliorated HHO Technique	2021	Lecture Notes in Electrical Engineering	699		435	443
1254	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			
1255	Priyadarshini, P., Das, S., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Observation of high nonlinearity in Bi doped BixIn35-xSe65 thin films with annealing	2021	Scientific Reports	11	1		
1256	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			
1257	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
1258	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

1259	Kamal, H., Mudgil, P., Bhaskar, B., Fisayo, A.F., Gan, C.-Y., Maqsood, S.	Amaranth proteins as potential source of bioactive peptides with enhanced inhibition of enzymatic markers linked with hypertension and diabetes	2021	Journal of Cereal Science	101			
1260	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			
1261	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		
1262	Jadhav, P.D., Shah, P.M., Kundu, D.	Minireview on the Thermodynamic and Kinetic Modeling of Ionic Liquid Promoted Inhibition of Gas Hydrate Formation	2021	Energy and Fuels	35	14	11037	11060
1263	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
1264	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
1265	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
1266	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			
1267	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
1268	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
1269	Priyadarshini, P., Sahoo, D., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Structural and optoelectronic properties change in Bi/In2Se3 heterostructure films by thermal annealing and laser irradiation	2021	Journal of Applied Physics	129	22		
1270	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			
1271	Jagtap, N.J., Dalvi, V.H.	Feasibility study of bio-methane economy in India	2021	Biomass and Bioenergy	149			
1272	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			
1273	Kaimal, A.M., Mujumdar, A.S., Thorat, B.N.	Resistant starch from millets: Recent developments and applications in food industries: Resistant starch from millets	2021	Trends in Food Science and Technology	111		563	580

1274	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			
1275	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			
1276	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
1277	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
1278	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		
1279	Joshi, V.A., Kundu, D.	Ionic liquid promoted extraction of bitumen from oil sand: A review	2021	Journal of Petroleum Science and Engineering	199			
1280	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			
1281	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
1282	Patni, A.N., Mantri, A.S., Kundu, D.	Ionic liquid promoted dehydrogenation of amine boranes: A review	2021	International Journal of Hydrogen Energy	46	21	11761	11781
1283	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
1284	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
1285	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		
1286	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
1287	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			
1288	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		

1289	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
1290	Gupta, S.S.R., Vinu, A., Kantam, M.L.	Ultrafine Copper Oxide Particles Dispersed on Nitrogen-Doped Hollow Carbon Nanospheres for Oxidative Esterification of Biomass-Derived 5-Hydroxymethylfurfural	2021	ChemPlusChem	86	2	259	269
1291	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
1292	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
1293	Sarkar, A., Dyawanapelly, S.	Nanodiagnostics and Nanotherapeutics for age-related macular degeneration	2021	Journal of Controlled Release	329		1262	1282
1294	Jadhav, H.B., Gogate, P.R., Annapure, U.S.	Intensification of Enzymatic Synthesis of Corn Oil Designer Lipids Using Sonication	2021	Arabian Journal for Science and Engineering				
1295	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
1296	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
1297	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
1298	Srutee, R., Sowmya, R.S., Uday S, A.	Clean meat: techniques for meat production and its upcoming challenges	2021	Animal Biotechnology				
1299	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	2021	Biomass Conversion and Biorefinery				
1300	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
1301	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
1302	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			
1303	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

1304	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
1305	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
1306	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			
1307	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			
1308	Jadhav, H.B., Annapure, U.	Consequences of non-thermal cold plasma treatment on meat and dairy lipids – A review	2021	Future Foods	4			
1309	Alagarasan, D., Varadharajaperumal, S., Arun Kumar, K.D., Naik, R., Arunkumar, A., Ganesan, R., Hegde, G., El Sayed Massoud, E.	Optimization of different temperature annealed nanostructured CdSe thin film for photodetector applications	2021	Optical Materials	122			
1310	Sayyed, A.J., Pinjari, D.V., Sonawane, S.H., Bhanvase, B.A., Sheikh, J., Sillanpää, M.	Cellulose-based nanomaterials for water and wastewater treatments: A review	2021	Journal of Environmental Chemical Engineering	9	6		
1311	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
1312	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		
1313	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
1314	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
1315	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		
1316	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		

1317	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		
1318	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
1319	Mhatre, S., Patravale, V.	Drug repurposing of triazoles against mucormycosis using molecular docking: A short communication	2021	Computers in Biology and Medicine	136			
1320	N.J., L., Gogate, P.R., Pandit, A.B.	Treatment of acid violet 7 dye containing effluent using the hybrid approach based on hydrodynamic cavitation	2021	Process Safety and Environmental Protection	153		178	191
1321	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
1322	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
1323	Deshmukh, S., Deore, A., Mondal, S.	Ultrafast Dynamics in Carbon Dots as Photosensitizers: A Review	2021	ACS Applied Nano Materials	4	8	7587	7606
1324	Naikawadi, P.K., Mucherla, L., Dandela, R., Sambari, M., Kumar, K.S.	One-Pot Two-Step Double Annulation of N-Methoxybenzamides with Alkynes and Alkenes: Regioselective Construction of Isoindolo[2,1-b]isoquinolin-5(7H)-ones	2021	Advanced Synthesis and Catalysis	363	15	3796	3802
1325	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			
1326	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			
1327	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
1328	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			
1329	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
1330	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			

1331	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			
1332	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		
1333	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			
1334	Lungwitz, D., Schultz, T., Tait, C.E., Behrends, J., Mohapatra, S.K., Barlow, S., Marder, S.R., Opitz, A., Koch, N.	Disentangling Bulk and Interface Phenomena in a Molecularly Doped Polymer Semiconductor	2021	Advanced Optical Materials	9	14		
1335	Pakhale, V.D., Gogate, P.R.	Removal of Rhodamine 6G from Industrial Wastewater Using Combination Approach of Adsorption Followed by Sonication	2021	Arabian Journal for Science and Engineering	46	7	6473	6484
1336	Jadhav, A.C., Jadhav, N.C.	Graft copolymerization of methyl methacrylate on Abelmoschus manihot fibres and their application in oil absorbency	2021	Polymer Bulletin	78	7	3913	3941
1337	Misal, B., Palav, A., Ganwir, P., Chaturbhuj, G.	Sulfated polyborate-H2O assisted tunable activation of N-iodosuccinimide for expeditious mono and diiodination of arenes	2021	Tetrahedron Letters	74			
1338	Ganwir, P., Chaturbhuj, G.	Sulfated polyborate: A dual catalyst for the reductive amination of aldehydes and ketones by NaBH4	2021	Tetrahedron Letters	74			
1339	Gandhi, S.S., Gogate, P.R.	Process intensification of fatty acid ester production using esterification followed by transesterification of high acid value mahua (lluppai ennai) oil: Comparison of the ultrasonic reactors	2021	Fuel	294			
1340	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			
1341	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			
1342	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
1343	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			
1344	Bagul, V.P., Annapure, U.S.	Isolation and characterization of docosahexaenoic acid-producing novel strain Aurantiochytrium sp. ICTFD5: A sterol with vitamin D-cholecalciferol, and cellulase and lipase producing thraustochytrid	2021	Bioresource Technology Reports	14			

1345	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			
1346	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			
1347	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			
1348	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
1349	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
1350	Kandula, V.R., Pothireddy, M., Babu, K.S., Kapavarapu, R., Dandela, R., Pal, M.	Sonochemical synthesis of polyarylated oxazoles as potential cytotoxic agents	2021	Tetrahedron Letters	70			
1351	Chaubey, N.R., Kapdi, A.R., Maity, B.	Organophotoredox-Catalyzed C-H Alkylation of Imidazoheterocycles with Malonates: Total Synthesis of Zolpidem	2021	Synthesis (Germany)	53	8	1524	1530
1352	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
1353	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
1354	Bhaumik, S., Kar, M.R., Thorat, B.N., Bruno, A., Mhaisalkar, S.G.	Vacuum-Processed Metal Halide Perovskite Light-Emitting Diodes: Prospects and Challenges	2021	ChemPlusChem	86	4	558	573
1355	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
1356	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
1357	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
1358	Jadhav, P., Joshi, G.M.	Recent trends in Nitrogen doped polymer composites: a review	2021	Journal of Polymer Research	28	3		
1359	Kukreja, N., Ghoderao, P., Dalvi, V.H., Narayan, M.	Cubic equation of state as a quartic in disguise	2021	Fluid Phase Equilibria	531			
1360	Bajaj, S.R., Singhal, R.S.	Fortification of wheat flour and oil with vitamins B12 and D3: Effect of processing and storage	2021	Journal of Food Composition and Analysis	96			

1361	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			
1362	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
1363	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
1364	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
1365	Sarkar, J., Kumar, A.	Recent Advances in Biomaterial-Based High-Throughput Platforms	2021	Biotechnology Journal	16	2		
1366	Lal, S.S., Mhaske, S.T.	Old corrugated box (OCB)-based cellulose nanofiber-reinforced and citric acid-cross-linked TSP–guar gum composite film	2021	Polymer Bulletin	78	2	885	915
1367	Mali, S.N., Pratap, A.P.	Targeting infectious coronavirus disease 2019 (Covid-19) with artificial intelligence (ai) applications: Evidence based opinion	2021	Infectious Disorders - Drug Targets	21	4	475	477
1368	Shaikh, M.S., Hua, C., Hassan, M., Raj, S., Jatoi, M.A., Ansari, M.M.	Optimal parameter estimation of overhead transmission line considering different bundle conductors with the uncertainty of load modeling	2021	Optimal Control Applications and Methods				
1369	Indalkar, K., Malge, S.S., Mali, A.S., Chaturbhuj, G.U.	Expeditious and Highly Efficient One-Pot Synthesis of Functionalized Imidazoles Catalyzed by Sulfated Polyborate	2021	Organic Preparations and Procedures International	53	4	387	396
1370	Mali, A.S., Indalkar, K., Chaturbhuj, G.U.	Solvent-free, Efficient Transamidation of Carboxamides with Amines Catalyzed by Recyclable Sulfated Polyborate Catalyst	2021	Organic Preparations and Procedures International	53	4	369	378
1371	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			
1372	Bhatkar, N.S., Shirkole, S.S., Mujumdar, A.S., Thorat, B.N.	Drying of tomatoes and tomato processing waste: a critical review of the quality aspects	2021	Drying Technology	39	11	1720	1744
1373	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
1374	Choubey, S., Goswami, P., Gautam, S.	Recovery of copper from Waste PCB boards using electrolysis	2021	Materials Today: Proceedings	42		2656	2659
1375	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	2021	Biomass Conversion and Biorefinery				
1376	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
1377	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			

1378	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
1379	Chavan, A., Vitankar, V., Thorat, B.	CFD modeling and experimental study of solar conduction dryer	2021	Drying Technology	39	8	1087	1100
1380	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
1381	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
1382	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			
1383	Bhunia, S., Ghorai, N., Burai, S., Purkayastha, P., Ghosh, H.N., Mondal, S.	Unraveling the Carrier Dynamics and Photocatalytic Pathway in Carbon Dots and Pollutants of Wastewater System	2021	Journal of Physical Chemistry C	125	49	27252	27259
1384	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			
1385	Priyadarshini, P., Das, S., Alagarasan, D., Ganesan, R., Varadharajaperumal, S., Naik, R.	Thermal annealing induced changes in structural, linear and nonlinear optical properties of Bi7In28Se65 films for nonlinear applications	2021	Optical Materials	122			
1386	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			
1387	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			
1388	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			
1389	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		
1390	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			
1391	Biranje, P.M., Prakash, J., Srivastava, A.P., Biswas, S.,	In situ tuning of graphene oxide morphology by electrochemical exfoliation	2021	Journal of Materials Science	56	35	19383	19402

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1392	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		
1393	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
1394	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
1395	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
1396	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
1397	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
1398	Kumar Bandaru, R., Rout, S.R., Kenguva, G., Gorain, B., Alhakamy, N.A., Kesharwani, P., Dandela, R.	Recent Advances in Pharmaceutical Cocrystals: From Bench to Market	2021	Frontiers in Pharmacology	12			
1399	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		
1400	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
1401	Shaikh, K.M., Odaneth, A.A.	Metabolic engineering of Yarrowia lipolytica for the production of isoprene	2021	Biotechnology Progress	37	6		
1402	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
1403	Utekar, P.G., Kininge, M.M., Gogate, P.R.	Intensification of delignification and enzymatic hydrolysis of orange peel waste using ultrasound for enhanced fermentable sugar production	2021	Chemical Engineering and Processing - Process Intensification	168			
1404	Alam, S., Nagpal, T., Singhal, R., Kumar Khare, S.	Immobilization of L-asparaginase on magnetic nanoparticles: Kinetics and functional characterization and applications	2021	Bioresource Technology	339			
1405	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
1406	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
1407	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			

1408	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		
1409	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		
1410	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
1411	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
1412	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			
1413	Yashwantrao, G., Saha, S.	Sustainable strategies of C–N bond formation via Ullmann coupling employing earth abundant copper catalyst	2021	Tetrahedron	97			
1414	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
1415	Bhattad, T., Koradiya, A., Prakash, G.	Prebiotic Activity Of Paramylon Isolated From Heterotrophically Grown Euglena Gracilis	2021	Heliyon	7	9		
1416	Solanke, S.G., Gaval, V., Pratap, A., Pasarkar, M.	Crystallinity and cell viability in plasma-sprayed hydroxyapatite coatings	2021	Jurnal Tribologi	30		61	72
1417	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
1418	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
1419	Daware, G.B., Gogate, P.R.	Intensified sonochemical degradation of 2-Picoline in combination with advanced oxidizing agents	2021	Ultrasonics Sonochemistry	77			
1420	Shah, S.H., Pai, K.R., Shinde, S.R., Thorat, B.N.	Analysis of a vapor compression refrigeration system using a fog-cooled condenser	2021	Applied Thermal Engineering	196			
1421	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		
1422	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			
1423	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

1424	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: Solid-State Materials for Advanced Technology	271			
1425	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
1426	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
1427	Malik, S.N., Rena, Kumar, S.	Enhancement effect of zero-valent iron nanoparticle and iron oxide nanoparticles on dark fermentative hydrogen production from molasses-based distillery wastewater	2021	International Journal of Hydrogen Energy	46	58	29812	29821
1428	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
1429	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		
1430	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
1431	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			
1432	Bhukta, S., Gopinath, P., Dandela, R.	Target identification of anticancer natural products using a chemical proteomics approach	2021	RSC Advances	11	45	27950	27964
1433	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
1434	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		
1435	Jadhav, P.D., Patwardhan, A.V., Kulkarni, R.D.	Kinetic study of in situ epoxidation of mustard oil	2021	Molecular Catalysis	511			
1436	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		
1437	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		

1438	Gurram, S., Jha, D.K., Shah, D.S., Kshirsagar, M.M., Amin, P.D.	Insights on the Critical Parameters Affecting the Probiotic Viability During Stabilization Process and Formulation Development	2021	AAPS PharmSciTech	22	5		
1439	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
1440	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			
1441	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
1442	Kshatriya, R., Shelke, P., Mali, S., Yashwantrao, G., Pratap, A., Saha, S.	Synthesis and Evaluation of Anticancer Activity of Pyrazolone Appended Triarylmethanes (TRAMs)	2021	ChemistrySelect	6	24	6230	6239
1443	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
1444	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
1445	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			
1446	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		
1447	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
1448	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			
1449	Pandya, A.K., Patravale, V.B.	Computational avenues in oral protein and peptide therapeutics	2021	Drug Discovery Today	26	6	1510	1520
1450	Sancheti, S.V., Yadav, G.D.	Highly selective production of styrene by non-oxidative dehydrogenation of ethylbenzene over molybdenum-zirconium mixed oxide catalyst in fixed bed reactor: Activity, stability and kinetics	2021	Catalysis Communications	154			
1451	Kar, M.R., Sahoo, M.R., Nayak, S.K., Bhaumik, S.	Synthesis and properties of lead-free formamidinium bismuth bromide perovskites	2021	Materials Today Chemistry	20			
1452	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

1453	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
1454	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		
1455	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
1456	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
1457	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
1458	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			
1459	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			
1460	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			
1461	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
1462	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
1463	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
1464	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			
1465	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
1466	Thorat, N., Borade, S., Varma, R., Yadav, A., Gupta, S., Fernandes, R., Sarawade, P., Bhanage, B.M., Patel, N.	High surface area Nanoflakes of P-gC3N4 photocatalyst loaded with Ag nanoparticle with intraplanar and interplanar charge separation for environmental remediation	2021	Journal of Photochemistry and Photobiology A: Chemistry	408			
1467	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

1468	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			
1469	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
1470	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			
1471	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
1472	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
1473	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		
1474	Ansari, S.Z., Pandit, A.B.	Optimising hydrodynamic conditions for inhibiting scale deposition on metal surfaces in the presence of aspartic acid	2021	Indian Chemical Engineer				
1475	Anuja, K.-J., Deshmukh, R.R.	An overview of HPDLC films and their applications	2021	Liquid Crystals				
1476	Doltade, S.B., Pandit, A.B.	Novel hydrodynamic cavitation based hand pump for disinfection of groundwater	2021	Environmental Quality Management				
1477	Badi, M., Mahapatra, S., Raj, S.	Hybrid BOA-GWO-PSO algorithm for mitigation of congestion by optimal reactive power management	2021	Optimal Control Applications and Methods				
1478	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	2021	Environmental Technology (United Kingdom)				
1479	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	2021	Organic Process Research and Development				
1480	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	2021	Canadian Journal of Chemical Engineering				
1481	Jagtap, A., More, A.	A review on self-initiated and photoinitiator-free system for photopolymerization	2021	Polymer Bulletin				
1482	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
1483	Chakraborty, J., Subash, M., Thorat, B.N.	Drying induced polymorphic transformation of pharmaceutical ingredients: a critical review of recent progresses and challenges	2021	Drying Technology				
1484	Mahapatra, S., Malik, N., Raj, S., Srinivasan, M.K.	Constrained optimal power flow and optimal TCSC allocation using hybrid cuckoo search and ant lion optimizer	2021	International Journal of Systems Assurance Engineering and Management				

1485	More, S.B., Gogate, P.R., Waghmare, J.S.	Bioactives from pomegranate peel and moringa leaves as natural antioxidants for stability of edible oil blends	2021	Brazilian Journal of Chemical Engineering				
1486	Sahu, A., Rane, N.V., Lodaya, B.G., Pandit, A.B.	Green synthesis and kinetic study of eco-friendly chelating agent by hydrothermal process for remediation of heavy metals	2021	Indian Chemical Engineer				
1487	Dixit, A., Sabnis, A., Shetty, A.	Antimicrobial Edible Films and Coatings based on N,O-Carboxymethyl Chitosan incorporated with Ferula Asafoetida (Hing) and Adhatoda Vasica (Adulsa) extract	2021	Advances in Materials and Processing Technologies				
1488	Adhikari, B., Shirkole, S.S., Xiao, H.-W.	Guest editorial: Reviews on drying science and technologies	2021	Drying Technology	39	11	1413	1414
1489	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	2021	Polymer Bulletin				
1490	Sinhmar, P.S., Gogate, P.R.	Improved Activation of Titanium Dioxide Catalyst for Isomerization of Alpha Pinene and Understanding into Effect of Isomerization Parameters	2021	Arabian Journal for Science and Engineering				
1491	Rathod, V.K., G, K., Gharat, N.N.	Kinetics of extraction of total phenolic content from Sesbania grandiflora L. leaves using ultrasound	2021	Indian Chemical Engineer				
1492	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
1493	Chavan, A., Thorat, B.	Techno-economic comparison of selected solar dryers: A case study	2021	Drying Technology				
1494	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
1495	Bhanushali, H., Amrutkar, S., Mestry, S., Mhaske, S.T.	Shape memory polymer nanocomposite: a review on structure–property relationship	2021	Polymer Bulletin				
1496	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
1497	Mahindrakar, K.V., Rathod, V.K.	Valorization of waste Syzygium cumini seed kernels by three-phase partitioning extraction and evaluation of in vitro antioxidant and hypoglycemic potential	2021	Preparative Biochemistry and Biotechnology	51	10	1036	1045
1498	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
1499	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	2021	Reviews in Chemical Engineering				
1500	Shirkole, S.S., Thorat, B.N., Mujumdar, A.S.	Critical reviews for facilitating innovations and advances in drying science and technology	2021	Drying Technology	39	5	577	579
1501	Chavan, A., Vitankar, V., Shinde, N., Thorat, B.	CFD simulation of solar grain dryer	2021	Drying Technology	39	8	1101	1113

1502	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
1503	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		
1504	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
1505	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
1506	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
1507	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
1508	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
1509	Ingle, A.A., Ansari, S.Z., Shende, D.Z., Wasewar, K.L., Pandit, A.B.	Palladium supported on nano-hybrid Zr–Al–La catalyst for hydrogenation of 2-ethylanthraquinone	2021	Indian Chemical Engineer	63	4	387	401
1510	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
1511	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
1512	Teli, S.M., Mathpati, C.	Hydrodynamic studies in sectionalised external loop air lift reactors	2021	Indian Chemical Engineer	63	1	34	49
1513	Savvashe, P., Mhatre-Naik, A., Pillai, G., Palkar, J., Sathe, M., Pandit, R., Reddy, C.R.K., Lali, A.M.	High yield cultivation of marine macroalga Ulva lactuca in a multi-tubular airlift photobioreactor: A scalable model for quality feedstock	2021	Journal of Cleaner Production	329			
1514	Chakraborty, M.S., Lali, A.M.	Separation and catalytic depolymerization of empty palm fruit bunch lignin	2021	Industrial Crops and Products	174			
1515	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
1516	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

1517	Patil, D., Pattewar, S., Palival, S., Patil, G., Sharma, S.	Fabrication and characterization of nanostructured lipid carrier system for effective delivery of poorly water-soluble drug quetiapine fumarate	2021	Research Journal of Pharmacy and Technology	14	12	6235	6244
1518	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			
1519	Gurram, S., Shah, D.S., Jha, D.K., Amin, P.D.	Determination of Microstructural Impact on the Release of Drug from Hydroxypropyl Cellulose Gel by Validated in Vitro Release Test Method	2021	Assay and Drug Development Technologies	19	8	484	500
1520	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.	[No title available]	2021	Humanities and Social Sciences Communications	8	1		
1521	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
1522	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		
1523	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			
1524	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,	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		

	J.G., Badre, A., Carmona-Mora, P.							
1525	Gad, S., Ayakar, S.	Protein scaffolds: A tool for multi-enzyme assembly	2021	Biotechnology Reports	32			
1526	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		
1527	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			
1528	Kaur, D., Rasane, P., Dhawan, K., Singh, J., Kaur, S., Gurumayum, S., Sandhu, K., Kumar, A., Gat, Y.	Rice bean (Vigna umbellata) based ready-to-eat geriatric premix: Optimization and analysis	2021	Journal of Food Processing and Preservation	45	12		
1529	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			
1530	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
1531	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
1532	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		
1533	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		
1534	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
1535	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
1536	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			
1537	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			
1538	Sawant, K.R., Savvashe, P., Pal, D., Sarnaik, A., Lali, A., Pandit, R.	Progressive transitional studies of engineered Synechococcus from laboratory to outdoor pilot-scale cultivation for production of ethylene	2021	Bioresource Technology	341			

1539	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			
1540	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			
1541	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	
1542	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
1543	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
1544	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
1545	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
1546	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
1547	Choudhary, R., Hiti-Bandaralage, J.C.A., Ahlawat, J., Gaur, N., Diwan, B.	Nanobioremediation: An introduction	2021	Nano-Bioremediation: Fundamentals and Applications			263	279
1548	Gaur, N., Diwan, B., Choudhary, R.	Bioremediation of organic pesticides using nanomaterials	2021	Nano-Bioremediation: Fundamentals and Applications			517	540
1549	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
1550	Kamble, O., Dandela, R., Shinde, S.	Recent Innovations of Organo-fluorine Synthesis and Pharmacokinetics	2021	Current Organic Chemistry	25	21	2650	2665
1551	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
1552	Sayed, U., Korgaonkar, S.	Synthesis of activated carbon and CMC beads from Corn Husk	2021	Asian Textile Journal	30	11	45	54
1553	Kotkondawar, A., Bhende, A., Khond, V., Rayalu, S.	Performance evaluation of PV-TEC coupling device for power production with improved hybrid nanocarbon based thermal material interface	2021	Energy Reports	7		6868	6875
1554	Wavhule, P., Devarajan, P.V.	Development and Optimization of Microballoons Assisted Floating Tablets of Baclofen	2021	AAPS PharmSciTech	22	8		
1555	Maji, S., Sahu, A.K.	Numerical investigation of mixed convection boundary layer flow for nanofluids under quasilinearization technique	2021	SN Applied Sciences	3	11		
1556	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			

1557	Hande, P.E., Baran Samui, A.	Determination of Diphenyl Amine (DPA) Stabilizer in Propellants – A Minireview	2021	Propellants, Explosives, Pyrotechnics	46	11	1638	1644
1558	Dhekne, P.P., Patwardhan, A.W.	CFD model for transient flow fields around teabag during tea infusion	2021	Food and Bioproducts Processing	130		79	91
1559	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		
1560	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		
1561	Singh, M.L.	Excess properties of binary mixtures of tri–iso-amyl phosphate + n–hexane (or n-dodecane): Physical significance of coefficients of Redlich-Kister type equation	2021	Journal of Molecular Liquids	341			
1562	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
1563	Yadav, S., Dixit, R., Sharma, S., Dutta, S., Arora, B., Rana, P., Kaushik, B., Rana, P., 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
1564	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
1565	Khare, L., Jain, R., Dandekar, P.	Alternate synthesis of olanexidine base employing phase transfer catalysis	2021	Journal of the Indian Chemical Society	98	10		
1566	Mishra, A., Choudhary, M., Das, T.R., Saren, P., Bhattacherjee, P., Thakur, N., Tripathi, S.K., Upadhaya, S., Kim, H.-S., Murugan, N.A., Tiwari, A., Patra, S., Hussain, C.M., Mishra, A., Shukla, S.K., Joshi, G.M.	Sustainable chemical preventive models in COVID-19: Understanding, innovation, adaptations, and impact	2021	Journal of the Indian Chemical Society	98	10		
1567	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			
1568	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		
1569	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		
1570	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

1571	Mhatre-Naik, A., Pillai, G., Savvashe, P., Navale, M., Palkar, J., Lali, A.M., Pandit, R.	Developing efficient nutrient removal and resource recovery strategy towards synergistic MLW treatment using macroalgae in a flat panel photobioreactor	2021	Sustainable Energy Technologies and Assessments	47			
1572	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
1573	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
1574	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
1575	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
1576	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
1577	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
1578	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
1579	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
1580	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			
1581	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
1582	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			
1583	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			

1584	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
1585	Palav, A., Misal, B., Chaturbhuj, G.	NCBSI/KI: A Reagent System for Iodination of Aromatics through in Situ Generation of I-Cl	2021	Journal of Organic Chemistry	86	17	12467	12474
1586	Nhivekar, G.S., Rathod, V.K.	Microwave-assisted lipase-catalyzed synthesis of polyethylene glycol stearate in a solvent-free system	2021	Journal of the Indian Chemical Society	98	9		
1587	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		
1588	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			
1589	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			
1590	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
1591	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
1592	Desai, B., Barodawala, A., Dalvi, V.H.	Efficient power generation along with thermal treatment of aqueous stream using low grade heat	2021	Energy	230			
1593	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
1594	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
1595	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
1596	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
1597	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	
1598	Kamble, O.S., Khatravath, M., Dandela, R.	Applications of Ethynylanilines as Substrates for Construction of Indoles and Indole-Substituted Derivatives	2021	ChemistrySelect	6	29	7408	7427
1599	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
1600	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		

1601	Gorade, V.G., Chaudhary, B.U., Kale, R.D.	Polyester fabric with moisture management properties using a sol–gel technique for activewear	2021	Journal of Polymer Research	28	8		
1602	Mulay, A., Rathod, V.K.	Microwave-assisted heterogeneous esterification of dibutyl maleate: Optimization using response surface methodology	2021	Chemical Data Collections	34			
1603	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		
1604	Mhatre, S., Naik, S., Patravale, V.	Exploring green and industrially scalable microfluidizer™ technology for development of barium sulphate nanosuspension for enhanced contrasting	2021	Journal of Drug Delivery Science and Technology	64			
1605	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
1606	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
1607	Patil, G.B., Pawar, S.D., Bhosale, J.L., Patil, P.G.	Pollution Index and Air Ion Variation in Different Vegetation area at the Rural Station Bhilawadi (16059'N, 74028'E)	2021	Journal of Physics: Conference Series	1964	3		
1608	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
1609	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			
1610	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
1611	Pai, K.R., Sindhuja, V., Ramachandran, P.A., Thorat, B.N.	Mass Transfer "regime" Approach to Drying	2021	Industrial and Engineering Chemistry Research	60	26	9613	9623
1612	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
1613	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
1614	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
1615	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

1616	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		
1617	Ghanavatkar, C.W., Mishra, V.R., Ayare, N., Mathew, E., Thomas, S.S., Joe, I.H., Sekar, N.	Positional isomers of heterocyclic azo dyes: Investigation of NLO properties by Z-scan and correlative DFT studies	2021	Journal of the Indian Chemical Society	98	7		
1618	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
1619	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
1620	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
1621	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
1622	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
1623	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
1624	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
1625	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
1626	Pathan, F.L., Deshmukh, R.R., Annapure, U.S.	Soaking plasma processed chickpea (Cicer arientinum) cultivars	2021	Legume Science	3	2		
1627	Patankar, K., Singh, G.P., Pawar, A., Maiti, S., More, S.P., Adivarekar, R.V.	Modification of casein to impart flame retardancy in saccharum munja fibre based nonwoven fabric	2021	Asian Dyer	18	3	43	50
1628	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		
1629	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			
1630	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		

1631	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			
1632	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			
1633	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
1634	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			
1635	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			
1636	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
1637	Jain, R., Bagul, R., Wadekar, P., Some, S.	Greener approach towards the synthesis of graphene nanosheet and its application in supercapacitor	2021	Journal of Materials Science: Materials in Electronics	32	10	13100	13107
1638	Maji, S., Sahu, A.K.	Stirred tank simulation using Partially-Averaged Navier-Stokes ku- ϵu turbulence model	2021	SN Applied Sciences	3	5		
1639	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		
1640	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			
1641	Bindu, M., Ananthapadmanabhan, U.	Functional modification of silicone rubber through nano-hydroxylapatite embedding	2021	Polymers for Advanced Technologies	32	5	2118	2130
1642	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
1643	Gawande, M.B., Ariga, K., Yamauchi, Y.	Single-Atom Catalysts	2021	Advanced Materials Interfaces	8	8		
1644	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			
1645	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		
1646	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
1647	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			

1648	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			
1649	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			
1650	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
1651	Yadav, G.D.	The case for hydrogen economy	2021	Current Science	120	6	971	972
1652	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
1653	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
1654	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			
1655	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
1656	Singh, S., Pal, S., Maji, C.	The resistivity upturn in Ni–Mn–In alloys exhibiting magnetic field induced shift in martensitic transition with and without Co doping	2021	Journal of Alloys and Compounds	856			
1657	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		
1658	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
1659	Shah, D.S., Jha, D.K., Amin, P.D.	Development, validation, and application of an RP-HPLC method for concurrent quantification of Minoxidil and Finasteride in a topical solution for hair regrowth [Développement, validation et application d'une méthode RP-HPLC pour la quantification simultanée du Minoxidil et du Finastéride dans une solution topique pour la repousse des cheveux]	2021	Annales Pharmaceutiques Francaises	79	2	194	206
1660	Patil, D.A., Tated, S., Mhaske, S.T.	Plasticized kafirin-based films: analysis of thermal, barrier and mechanical properties	2021	Polymer Bulletin	78	3	1721	1733
1661	Dhayalan, V., Dandela, R., Devi, K.B., Dhanusuraman, R.	Synthesis and Applications of Asymmetric Catalysis Using Chiral Ligands Containing Quinoline Motifs	2021	SynOpen	6	1	31	57
1662	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		
1663	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		
1664	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

1665	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
1666	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	2021	Journal of Medicinal Chemistry				
1667	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
1668	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			
1669	Solanke, S.G., Gaval, V.R.	Tribological studies of different bioimplant materials for orthopedic application using Taguchi experimental design	2021	Tribologia	38	04-Mar	4	14
1670	Sawarkar, A.N.	Reaction kinetics and coke forming propensities of Arabian mix asphalt vis-a-vis Arabian mix vacuum residue	2021	Petroleum Science and Technology				
1671	Moholkar, C.D., Vala, S.V., Mathpati, C.S., Joshi, A.J., Vitankar, V.S., Joshi, J.B.	Artificial intelligence-based correlation: Process side heat transfer coefficient for helical coils in stirred tank reactors	2021	Heat Transfer				
1672	Gore, A.J., Bhagwat, S.S., Mhaskar, S., Saxena, S.	Determination of required HLB value and emulsifiers for the preparation of water in coconut oil emulsions for application in food process industries	2021	Journal of Dispersion Science and Technology				
1673	Mhatre, M.M., Katariya-Jain, A., Deshmukh, R.R.	Enhancing morphological, electro-optical and dielectric properties of polymer-dispersed liquid crystal by doping of disperse Orange 25 dye in LC E7	2021	Liquid Crystals				
1674	Eazhumalai, G., Ranjitha Gracy, T.K., Mishra, A., Annapure, U.S.	Atmospheric pressure nonthermal pin to plate plasma system for the microbial decontamination of oat milk	2021	Journal of Food Processing and Preservation				
1675	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	2021	Preparative Biochemistry and Biotechnology				
1676	Babu, R., Raj, S., Vijaychandra, J., Prasad, B.R.V.	Allocation of phasor measuring unit using an admissible searching-based algorithm A-star and binary search tree for full interconnected power network observability	2021	Optimal Control Applications and Methods				
1677	Jawale, P.V., Bhanage, B.M.	Kinetic and docking study of synthesis of glyceryl monostearate by immobilized lipase in non-aqueous media	2021	Biocatalysis and Biotransformation				
1678	Pawar, K., Jayaram, R.V., Bhagwat, S.S.	The solubilization of diphenyl diselenide in surfactant solutions	2021	Journal of Dispersion Science and Technology				
1679	Chatterjee, R., Bhukta, S., Dandela, R.	Ionic liquid-assisted synthesis of 2-amino-3-cyano-4H-chromenes: A sustainable overview	2021	Journal of Heterocyclic Chemistry				
1680	Ghodse, S.M., Hatvate, N.T., Telvekar, V.N.	One pot synthesis of α-N-heteroaryl ketone derivatives from aryl ketones using aqueous NaICl2	2021	Journal of Heterocyclic Chemistry				

1681	Dinesh Kumar, R., Sudhakar, V., Sairagul, G., Jony Blessing Manoj, J.	Studies on the Consistency of Jaggery-Based Hard-Boiled Candy by Incorporating Thickening and Gelling Agents	2021	Sugar Tech				
1682	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			
1683	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
1684	Shevalkar, G., Pawar, M., Vavia, P.	Nanostructured Lipid Carriers (NLCs) of Lumefantrine with Enhanced Permeation	2021	Journal of Pharmaceutical Innovation				
1685	Deka, D., Annapure, U.S., Shirkole, S.S., Thorat, B.N.	Bacteriophages: An organic approach to food decontamination	2021	Journal of Food Processing and Preservation				
1686	Khaire, R.A., Thorat, B.N., Gogate, P.R.	Applications of ultrasound for food preservation and disinfection: A critical review	2021	Journal of Food Processing and Preservation				
1687	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
1688	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	2021	Polymer Bulletin				
1689	Mujumdar, A.S., Shirkole, S.S.	Archival publications on drying	2021	Drying Technology	39	16	2177	2178
1690	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	2021	Coloration Technology				
1691	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	2021	Journal of Food Science and Technology				
1692	Rakshit, G., Rane, A.S., Patil, K.	Richardson extrapolation for the iterated Galerkin solution of Urysohn integral equations with Green's kernels	2021	International Journal of Computer Mathematics				
1693	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		
1694	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
1695	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

1696	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
1697	Sutar, Y., Fulton, S.R., Paul, S., Altamirano, S., Mhatre, S., Saeed, H., Patel, P., Mallick, S., Bhat, R., Patravale, V.B., Chauhan, H., Nielsen, K., Date, A.A.	Docusate-Based Ionic Liquids of Anthelmintic Benzimidazoles Show Improved Pharmaceutical Processability, Lipid Solubility, and in Vitro Activity against Cryptococcus neoformans	2021	ACS Infectious Diseases				
1698	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	2021	Preparative Biochemistry and Biotechnology				
1699	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
1700	Patil, R.S., Bhagwat, S.S.	Optimisation of absorption power cycle for generator temperatures 60–210°C with LiBr water as a working fluid	2021	Indian Chemical Engineer				
1701	Teli, M.D., Terega, J.M.	Solvent-free acetylation of Ensete ventricosum plant fibre to enhance oleophilicity	2021	Journal of the Textile Institute				
1702	Barkule, A.B., Gadkari, Y.U., Telvekar, V.N.	One-Pot Multicomponent Synthesis of 3-Methyl-4-(Hetero)Arylmethylene Isoxazole-5(4H)-Ones Using Guanidine Hydrochloride as the Catalyst under Aqueous Conditions	2021	Polycyclic Aromatic Compounds				
1703	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			
1704	Palaskar, S.S., Kale, R.D., Deshmukh, R.R.	Influence of Plasma Treatment on Dyeing Properties of Silk Weaves	2021	Journal of Natural Fibers				
1705	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
1706	Supare, K., Mahanwar, P.A.	Starch-derived superabsorbent polymers in agriculture applications: an overview	2021	Polymer Bulletin				
1707	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			
1708	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	08-Jul	364	374
1709	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

1710	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
1711	Haramagatti, C.R., Naikwadi, A.T.	Factors influencing the emulsion polymerization of clay-platelet-assisted styrene–acrylic copolymer latexes	2021	Journal of Coatings Technology and Research				
1712	Yadav, G.D., Mondal, U.	Valorization of Bio-Oils to Fuels and Chemicals	2021	ACS Symposium Series	1379		29	67
1713	Nair, D.G., Yadav, D.G.D.	Introduction to the Inaugural Issues	2021	Journal of the Indian Chemical Society	98	1		
1714	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
1715	Mhaske, S.T., Mestry, S.U., Borse, P.Y.	CHAPTER 7: Acids	2021	RSC Nanoscience and Nanotechnology	2021-January	50	157	183
1716	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
1717	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
1718	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			
1719	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
1720	Bhaumik, S., Saha, S.K., Rath, A.K.	A Perspective on Perovskite Solar Cells	2021	Energy, Environment, and Sustainability			55	151
1721	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	2021	Canadian Journal of Chemical Engineering				
1722	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
1723	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
1724	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
1725	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
1726	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
1727	Ambhore, J.P., Chaudhari, S.R., Cheke, R.S., Kharkar, P.S.	A Concise Analytical Profile of Efavirenz: Analytical Methodologies	2021	Critical Reviews in Analytical Chemistry				

1728	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
1729	Mali, S.N., Pratap, A.P.	Nanotechnology-based approaches for covid-19: A path forward	2021	Current Nanomaterials	6	1	17	22
1730	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	Physical Sciences Reviews				
1731	Raju, A., De, S., Ray, M., Degani, M.	Antituberculosis activity of polyphenols of Areca catechu	2021	International Journal of Mycobacteriology	10	1	13	18
1732	Joglekar-Athavale, A., Shankarling, G.S.	Review: development of inkjet printing colorants in ceramics	2021	Pigment and Resin Technology				
1733	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	2021	Indian Chemical Engineer				
1734	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
1735	Upadhyay, P., Lali, A.	Protocatechuic acid production from lignin-associated phenolics	2021	Preparative Biochemistry and Biotechnology	51	10	979	984
1736	Shirkole, S.S., Sutar, P.P.	Special Issue for the 10th Asia Pacific Drying Conference (ADC 2019)	2021	Drying Technology	39	3	283	
1737	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
1738	Kumar, A., Joshi, J.B., Vitankar, V.	Numerical simulations of jacket side thermal-hydraulic performance for large stirred vessels	2021	Numerical Heat Transfer; Part A: Applications	79	7	513	536
1739	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		
1740	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
1741	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
1742	Deore, H., Sardare, M., Nemade, P.	Experimental Modeling and Evacuation of Cr(VI) from Wastewater by Using Nanostructured Ceria	2021	Lecture Notes in Civil Engineering	87		419	426
1743	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
1744	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
1745	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
1746	Bhoite, G.M., Vaidya, P.D.	Wet oxidation of inhibitory compounds of distillery spent wash over ferrous sulfate catalyst	2021	Chemical Engineering Communications	208	11	1640	1651

1747	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
1748	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
1749	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
1750	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

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	 20 yrs 1 yr 2 yrs 5 yrs 2 yrs	Collaborative research programmes Technology traIsisrransfer for setting up of 2-G Biomass Ethanol Biorefinery at Bina,MP Student exchange programme Waste treatment	Department of Chemical Engineering DBT-ICT ICT DBT-ICT
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	5 yrs. 31 March 2018 31 March 2019	Establishment of "DBT-ICT Centre for Energy Biosciences"	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	6 months 2 yrs. 2 yrs.		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	3 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	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.	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	5 yrs.		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 Aug 2016 April, 2017 Dec 2017 Sept 2018 Oct 2018 Dec 2019	3 yrs. 3 yrs. 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	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.	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	 1 yr. 3 yrs 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	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	March 2019	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	July 2018	July 2023	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	Resear ch and development of technologies	DBT-ICT
276.	BITS, Pilani	Feb 2020		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	ICT
301.	CSIR-Central Institute of Medicinal and Aromatic Plants, 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

Bifurcation of Tuition fee, Development fee and Other fees for all Bachelor courses at ICT for the academic year 2021-2022

Sr.No	Details			Amount
1.	Library Deposit			2,000/-
2.	Tuition fee			15,000/-
3.	Development fee			39,850/-
4.	Other fees			
	(i)	Gymkhana fees	1,200/-	
	(ii)	Laboratory Fees with E- charges	8,474/-	
	(iii)	Library fees	1,500/-	
	(iv)	Extracurricular activities (Youth festival fee)	0/-	
	(v)	Enrollment fees	220/-	
	(vi)	Utility Fees	1,500/-	
	(vii)	Disaster Management Fund	230/-	
	(viii)	Insurance fees	102/-	
				13,226/-
5.	Student Diary			500/-
6.	Alumuni Asso. Fees (No of yrs. of programme) p.a.			5,000/-
7.	Analytical Ability Test			750/-
	TOTAL			76,326/-

Assistant Registrar
(Academic)

REGISTRAR

Bifurcation of Tuition fee, Development fee and Other fees for all Master of Science course (Mathematics) at ICT for the academic year 2021–2022

Sr.No	Details			Amount
1.	Library Deposit			2,000/-
2.	Tuition fee			15,000/-
3.	Development fee			20,000/-
4.	Other fees			
	(i)	Enrollment Fees	220/-	
	(ii)	Gymkhana fees	1,200/-	
	(iii)	Laboratory Fees with including E-charges for computer usage	4948/-	
	(iv)	Library fees	3000/-	
	(v)	Extracurricular activities with gathering(youth festival fee)	0/-	
	(vi)	Utility Fees	1500/-	
	(vii)	Disaster Management Fund	230/-	
	(viii)	Insurance fees	102/-	
				11,200/-
5.	Student Diary			500/-
6.	Alumuni Asso. Fees (No of yrs. of programme) p.a.			5,000/-
7.	Analytical Ability Test			750/-
	TOTAL			54,450/-

Assistant Registrar
(Academic)

REGISTRAR

Bifurcation of Tuition fee, Development fee and Other fees for all Master of Science course (Chemistry), Master of Science course (Physics), Master of Science course (Textile Chemistry) at ICT for the academic year 2021– 2022.

Sr.No	Details			Amount
1.	Library Deposit			2,000/-
2.	Tuition fee			15,000/-
3.	Development fee			20,000/-
4.	Other fees			
	(i)	Enrollment Fees	220/-	
	(ii)	Gymkhana fees	1,200/-	
	(iii)	Laboratory Fees with including E-charges	4948/-	
	(iv)	Library fees	3000/-	
	(v)	Extracurricular activities including gathering	0/-	
	(vi)	Utility Fees	1500/-	
	(vii)	Disaster Management Fund	230/-	
	(viii)	Insurance fees	102/-	
				11,200/-
5.	Student Diary			500/-
6.	Alumuni Asso. Fees			5,000/-
7.	Analytical Ability Test			750/-
	TOTAL			54,450/-

Assistant Registrar
(Academic)

REGISTRAR

Bifurcation of Tuition fee, Development fee and Other fees for M. Tech Bioprocess Technology, M. Tech Food Biotechnology & M. Tech Pharmaceutical Biotechnology courses at ICT for the academic year 2021 – 2022

Sr.No	Details			Amount
1.	Library Deposit			2,000/-
2.	Tuition fee			15,000/-
3.	Development fee			10,000/-
4.	Other fees			
	(i)	Enrollment Fees	220/-	
	(ii)	Gymkhana fees	1,200/-	
	(iii)	Laboratory Fees	0/-	
	(iv)	Library fees	2000/-	
	(v)	Extracurricular activities including gathering(youth festival fee)	0/-	
	(vi)	Utility Fees	1500/-	
	(vii)	Disaster Management Fund	230/-	
	(viii)	Insurance fees	102/-	5,252/-
5.	Student Diary			500/-
6.	Alumuni Asso. Fees (for 1st Year)			5,000/-
7.	Analytical Ability Test			750/-
8.	Certificate Course on safety & Risk Management			5,000/-
	TOTAL			43,502/-

Assistant Registrar
(Academic)

REGISTRAR

Bifurcation of Tuition fee, Development fee and Other fees for M. Tech., M. Chem.Engg., M. Pharm., M. E.(Plastic Engg.) courses at ICT for the academic year 2021 – 2022.

Sr.No	Details			Amount
1.	Library Deposit			2,000/-
2.	Tuition fee			15,000/-
3.	Development fee			25,000/-
4.	Other fees			
	(i)	Enrollment Fees	220/-	
	(ii)	Gymkhana fees	1,200/-	
	(iii)	Laboratory Fees including E-charges	10,948/-	
	(iv)	Library fees	3000/-	
	(v)	Extracurricular activities with gathering	0/-	
	(vi)	Utility Fees	1500/-	
	(vii)	Disaster Management Fund	230/-	
	(viii)	Insurance fees	102/-	
				17,200/-
5.	Student Diary			500/-
6.	Alumuni Asso. Fees (for 1st Year)			5,000/-
7.	Analytical Ability Test			750/-
8.	Certificate Course on safety & Risk Management			5,000/-
	TOTAL			70,450/-

Assistant Registrar
(Academic)

REGISTRAR

Annexure F – Research Projects

Funding Agency	Name of Project	Grant received
CSIR	*CSIR-Syn.Graphene/Dr.Surajit Some*	791080.00
D A E	*DAE/NEW-2018/Prof.B.M.Bhanage*	594074.00
D B T	*DBT-CEB / Indo Australia /Soghum Phase II*	193020.00
D B T	*DBT/CEB/MSW Energy/Prof.A.M.Lali*	273181.00
D B T	*D.B.T./C.E.B/ Prof.A.M.Lali*	325000.00
D B T	*DBT-CEB-Vitamin B12*	8983209.87
D B T	*DBT-Economic Non Food/Prof.B.N.Thorat/Prof.A.M.Lal*	5077373.00
D B T	*DBT/Indo -Australia Grand Challenges*	402548.00
D B T	*DBT/Novel Coronavirus Detection/Prof.V.Patravale*	571213.00
D B T	*DBT/Skin-on-A-Chip/Dr.P.D.Jain*	2831185.00
D B T	*DBT-Vaccine for COVID-19/Prof.V.B.Patravale*	1980305.00
D S T	*DSIR- Prof.P.R.Vavia*	875602.00
D S T	*D.S.T./AMCOS/Prof.V.G.Gaikar*	654689.00
D S T	*DST/FIST/CE/Dr Ratnesh Jain*	862012.00
D S T	*DST/FIST/Dept of Dyestuff Technology*	409750.00
D S T	*DST/FIST/Dept of Physics*	510930.00
D S T	*DST/Indo-German/Auto Nutri/Dr.U.S.Annapure*	10776300.00
D S T	*DST/Indo-Hungrian/Dr.Sadhana Sathye*	1004480.00
D S T	*DST/Nanofibrous Bandage/Dr.P.D.Jain*	234586.50
D S T	*DST-SERB-Bond Formation/Dr.S.G.Dawande*	564223.00
D S T	*DST-SERB/Dr.N.Sekar / Dr.S.P.More*	103030.00
D S T	*DST/SERB/Dr Satyajit Saha*	80651.00
D S T	*DST/SERB/Food Processing/Dr.P.R.Gogate*	341210.00
D S T	*DST-SERB-J C BOSE-II/Prof. A. B. PANDIT*	1900000.00
D S T	*DST-SERB-J.C.Bose- II / Prof.L.Kantam*	1906395.00
D S T	*DST-SERB/Metal Catalyst/Dr.P.M.More*	895404.00
D S T	*DST-SERB/Metal Mediated/Dr.Anant Kapdi*	141601.00
D S T	*DST/SERB/Novel Material(SFEAA)Prof.S.P.More*	800141.00
D S T	*DST-TDT/Dr.A.S.Sabnis*	41500.00
D S T	*DST-TDT/Dr.V.K.Rathod*	8073.00
D S T	*DST/TDT-WMT/Plastic Waste-2021/Prof.Pandit*	12328880.00
D S T	*DST/Waste Management Tech/Prof.G.D.Yadav*	151709.00
D S T	*DST/Waste Water Management/Dr.Dilip Sarode*	2532802.00
D S T	*DST/WTI/WasteWater Treatment/Prof.Pandit & Dr.Gogat*	1188298.00
INDO-U.S Science & Technology Forum	*USISTEF-COVID 19 Ignition Grants/Dr.Sathye & Amin*	2110543.00

Funding Agency	Name of Project	Grant received
RAJIV GANDHI (R.G.STC)	*RGSTC/Jaggery Process/Prof.Rekha Singhal*	924000.00
OTHERS	*Abbot India Ltd/Dr.Sadhana Sathaye*	96687.00
OTHERS	*Amaterasu Lifesciences LLP/Prof P.V.Devarajan*	380556.00
OTHERS	*Arelang Naturals Pvt.Ltd./prof.K.S.Laddha*	248625.00
OTHERS	*ASP Associates/Prof.R.N.Jagtap*	339250.00
OTHERS	*Balance Industrial Res Project/S.S.B*	161925.00
OTHERS	*BARC/Prof. R.N.JAGTAP*	665000.00
OTHERS	*BPCL-MLW A/c-Dr.Annamma Anil Odaneth*	27124730.94
OTHERS	*BPCL/PDPP/Prof. V.G.Gaikar*	836120.00
OTHERS	*Centre for High Tech./BioGas/Dr.P.D.Vaidya*	3503937.00
OTHERS	*CHERYL LABORATORIES PVT. LTD.PROF. P.D.AMIN*	359125.00
OTHERS	*CIPLA LTD./DR.R.D.JAIN*	2201551.00
OTHERS	*Covestro India Pvt Ltd/Prof.B.N.Thorat*	795600.00
OTHERS	*COVESTRO (I) P. LTD./MHASKE*	640900.00
OTHERS	*DAICEL CHIRAL TECHNOLOGY/DR.Ratnesh Jain*	158844.00
OTHERS	*Evonik India Ltd./Prof.R.N.Jagtap*	315700.00
OTHERS	*Godavari Biorefineries Ltd/ Prof. Kantam & Rathod*	426684.00
OTHERS	*Godavari Biorefineries Ltd/Prof. Pushpito K. Ghosh*	871292.00
OTHERS	*Godavari Biorefineries Ltd/rathod,Laxmikantam,Yadav*	765000.00
OTHERS	*Grant Received*	4493714.00
OTHERS	*Guru Paints- Dr.Aarti P.More*	172221.00
OTHERS	*harvard Global Research Support Centre/Prof.Marathe& Prof.Rathod*	735643.00
OTHERS	*ICPA Health Products Limited/Prof. P.D.Amin*	650000.00
OTHERS	*ICT-OEC-Co2 Conversion-Prof.G.D.Yadav*	827728.00
OTHERS	*ICT/ OECT/Phase III / Prof.G.D.Yadav*	4517646.00
OTHERS	*IKP Knowledge Park/Dr.P. Dandekar-Jain*	781508.00
OTHERS	*Lifescient Inc/Dr.Sadhana Sathye*	261370.00
OTHERS	*Lifescient INC - Prof.P.D.Amin*	428033.60
OTHERS	*Mad Parsee Foods LLP/Prof.U.S.Annapure*	545750.00
OTHERS	*Malaysian Palm Oil Board -Dr.Annapure & Dr.Waghmare*	478937.80
OTHERS	*Manchester Metropolitan University/Dr.Usha Sayyed*	270765.00
OTHERS	*Merck Life Science / Dr. P. D. Amin*	207700.00
OTHERS	*MERCK LIFESCIENCE/P.D.JAIN*	49368.00
OTHERS	*Merck Lifesciences - New-Dr.P.D.Amin*	480457.00
OTHERS	*Momentive Performance Material (I)Pvt Ltd.-Dr.Vavia*	310897.74

Funding Agency	Name of Project	Grant received
OTHERS	*Nippon Synthetic Chemical/Prof.P.R.Vavia*	559302.00
OTHERS	*Ongc-Co2 Conversion Phase II-Prof.G.D.Yadav*	900751.00
OTHERS	*ONGC/Recovery of Crude Oil/Dr.Surajit Some*	54000.00
OTHERS	*Orchard Brands Pvt Ltd.-Dr.U.S.Annapure*	961125.00
OTHERS	*Patil Synthtech/ Dr.Dipak Pinjari*	803876.00
OTHERS	*Pidilite-Ravindra Gadhve-Contg/Prof P.A.Mahanwar*	295000.00
OTHERS	*Praj Industries/Dr.Jyoti Sontakke-Gokhale*	248625.00
OTHERS	*Precision Wires India Ltd./ Sabnis*	913500.00
OTHERS	*Rallis India Ltd./ Prof. Kantam, Yadav & Rathod*	1790100.00
OTHERS	*Rasayan Inc / Dr Anant Kapadi*	968047.00
OTHERS	*RELIANCE IND. LTD./MARATHE*	351000.00
OTHERS	*RELIANCE IND. LTD./MATHPATI*	1326000.00
OTHERS	*RIL-I-Catalysist & Process Devt-Dr.Vaidya*	462500.00
OTHERS	*RIL-III-Hydrogen Carriers-Prof.AWP*	462500.00
OTHERS	*RIL-II-Methyl Methacrylate-Prof.VKR*	462500.00
OTHERS	*Rubicon Research Grant / Prof. P.D.Amin*	520616.00
OTHERS	*Salicylates & Chemicals P. Ltd./m.S.Degani*	508493.00
OTHERS	*Salicylates & Chemicals Pvt Ltd/Dr.G D Yadav*	1105000.00
OTHERS	*S.A. Pharmachem P. Ltd./dr.Ratnesh Jain*	670040.25
OTHERS	*SHREE RAM INDIA GUMS PVT LTD/Dr.Chandu Madankar*	462500.00
OTHERS	*SPECTRUM DYES & CHEMICALS P. LTD./ ADIVAREKAR*	474950.00
OTHERS	*STM Research Fund*	2690814.20
OTHERS	*Sumwin Solutions Malaysia /Prof.R.D.Kulkarni*	217000.00
OTHERS	*Total Herb Solution Pvt. Ltd./ Dr. K. S. Laddha*	44250.00
OTHERS	*Unilever Industries Pvt.Ltd./Prof.P.D.Amin*	1422687.00
OTHERS	*University of Leeds/S. Rajput/Prof.Pandit*	4826139.00
OTHERS	*VEGANNOVATIVE SOLUTIONS PVT LTD.- DR.JYOTI GOKHALE*	350800.00
OTHERS	*Vinati Organics Ltd-2/Prof.Kantam & Dr.Rathod*	721680.00
OTHERS	*Vinati Organics Ltd 3/ Prof. Kantam & Rathod*	584545.00
OTHERS	*Vinati Organics Ltd 4 / Prof. Kantam & Rathod*	1320000.00
OTHERS	*VITANUTRIX FOODS & FEEDS P. LTD/ANNAPURE*	604750.00
OTHERS	*Zuari Foods and Farms Pvt Ltd/Dr.Annapure*	442000.00

Annexure G – Industry Linkage

Sr. No.	Name Of The Consultant	Name Of Company	Amount Received
1	Prof.S.S.Bhagwat	M/s. Unilever Industries Pvt Ltd	82875
2	Prof.S.S.Bhagwat	M/s. Unilever Industries Pvt Ltd	82875
3	Prof.S.S.Bhagwat	M/s. Unilever Industries Pvt Ltd	82875
4	Prof.S.S.Bhagwat / Dr. Manish Yadav	M/s. kiri industries limited	165750
5	Prof.S.S.Bhagwat	M/s. Aditya Birla Sci & Tech Ltd	663000
6	Prof.S.S.Bhagwat	M/s. Hindiusta Unileve Limited	331500
7	Prof.S.S.Bhagwat	M/s. Galaxy Surfactants Limited	380365
8	Prof.S.S.Bhagwat	M/s. National Peroxide Limited	165750
9	Prof.S.S.Bhagwat / Dr. Jyostna Waghmare	M/s. Hindiusta Unileve Limited	54000
10	Prof.S.S.Bhagwat	M/s. K V Fire Limited	165750
11	Dr. K.S. Laddha	M/s. Pidilite Industries	165750
12	Dr. K.S. Laddha	M/s. Pidilite Industries	162000
13	Dr. K.S. Laddha	M/s. Godrej Consumer Products limited	303875
14	Prof. B.N.Thorat	M/s. Covestro India Pvt Ltd	405000
15	Dr. Anand V. Patwardhan	M/s. Sadhana Nitro Chem Limited	331500
16	Dr. Anand V. Patwardhan	M/s. Kwality Chemical Industries Pvt Ltd	324000
17	Dr. Anand V. Patwardhan	M/s. VVF India Limited	331500
18	Dr. Anand V. Patwardhan / Prof. A.B.Pandit	M/s. Aegis Logistics Limited	324000
19	Prof.B.M. Bhanage	M/s. Siddharth Corbochem Products Limited	165750
20	Prof.B.M. Bhanage	M/s. Fine Organic I limited	33150
21	Prof.B.M. Bhanage	M/s. Shreyans Chemicals	49725
22	Dr.V.K Rathod / Prof. P.R. Gogate	M/s. Gujrat Gas Limited	132600
23	Dr.V.K Rathod / Prof. P.R. Gogate	M/s. Natural Remedies Pvt Ltd	204656
24	Dr.V.K Rathod / Prof. lakshmi kantam	M/s. Prasol Chemicals pvt ltd	90000
25	Dr.V.K Rathod / Prof. P.R. Gogate	M/s. Natural Remedies Pvt Ltd	106125
26	Dr.P.R. Gogate	M/s. Anshul Specialty Molecules	99450
27	Dr.P.R. Gogate / Dr.V.K Rathod	M/s. Gujarat Gas Limited	132600
28	Dr.P.R. Gogate	M/s. Natural Remedies Pvt Ltd	204656
29	Dr.P.R. Gogate / Dr. A.W Pathwardhan	M/s. Ralis I Pvt Ltd	552500
30	Dr.P.R. Gogate / Dr. A.W Pathwardhan	M/s. Ralis I Pvt Ltd	27625
31	Dr.P.R. Gogate	M/s. Godavari Drugs Limited	132600
32	Dr.P.R. Gogate / Dr. A.W Pathwardhan	M/s. Ralis I Pvt Ltd	594000
33	Dr.P.R. Gogate	M/s. Kosharch LLP	81000
34	Dr.P.R. Gogate / Dr. A.W Pathwardhan	M/s. Ralis I Pvt Ltd	276250
35	Dr.P.R. Gogate	M/s. Khepra (USA)	215601
36	Dr.P.R. Gogate / Dr.V.K Rathod	M/s. Natural Remedies Pvt Ltd	106125
37	Prof.P.A.Mahanwar	M/s. Grauer & Well I Limited	221000
38	Prof.P.A.Mahanwar	M/s. Kansai Nerolac Paints Limited	442000
39	Prof.P.A.Mahanwar	M/s. Krishana Conchem Products limited	331500
40	Prof.P.A.Mahanwar	M/s. Speciality Rain forcedmatrix Pvt Ltd	331500
41	Prof.P.A.Mahanwar	M/s. Master Builders Solusation Pvt Ltd	828750

Sr. No.	Name Of The Consultant	Name Of Company	Amount Received
42	Prof.P.A.Mahanwar	M/s. trumquil Specialty Products Pvt Ltd	110000
43	Prof.P.A.Mahanwar	M/s. Navi Mumbai Municipal Corporation ltd	323749
44	Prof.P.A.Mahanwar	M/s. Asian Paints PPG Pvt Ltd	33150
45	Prof.P.A.Mahanwar	M/s. Asian Paints PPG Pvt Ltd	298350
46	Prof.P.A.Mahanwar	M/s. Sika India Pvt Ltd	198900
47	Prof.P.A.Mahanwar	M/s. Dow Chemical Internatinal Pvt Ltd	97200
48	Prof.P.A.Mahanwar	M/s. Concerete Additives & Chemical Pvt Ltd	165750
49	Prof.P.A.Mahanwar	M/s. Intigrated tribal Development project nashik	35400
50	Prof.P.A.Mahanwar	M/s. Asian Paints PPG Pvt Ltd	3072720
51	Prof.P.A.Mahanwar	M/s. Vapi Products Industries pvt ltd	118000
52	Prof. A. W. Pathwardhan	M/s. NOCIL	663000
53	Prof. A. W. Pathwardhan / Prof.P.G.Gogate	M/s. Rallis India Pvt Ltd	276250
54	Prof. A. W. Pathwardhan / Prof.P.G.Gogate	M/s. Rallis India Pvt Ltd	303875
55	Prof. A. W. Pathwardhan / Prof.P.G.Gogate	M/s. Rallis India Pvt Ltd	276250
56	Prof.P.D.Vaidya	M/s. Centre For Hight Technology	150000
57	Prof.P.D.Vaidya	M/s. Centre For Hight Technology	150000
58	Prof. G.S.Shankarling	M/s.Indo Borax & Chemicals Limited	55250
59	Prof. G.S.Shankarling	M/s. Colorband Dyest off Pvt Ltd	885000
60	Prof.P.D.Amin	M/s.Unilever Industries Pvt Ltd	367500
61	Prof. Hitesh Pawar	M/s. Sintering Innovation Technology I Funduation	276250
62	Prof. Hitesh Pawar	M/s. EID Parry I Ltd	534600
63	Prof. Hitesh Pawar	M/s. A.Energys Pvt Ltd	386750
64	Prof. Hitesh Pawar	M/s. Sintering Innovation Technology I Funduation	276250
65	Prof.M.S.Degani	M/s. Marico Limited	99450
66	Prof.U.S.Annapure	M/s. Vitanutrix Food & Feeds Pvt Ltd	150000
67	Prof.U.S.Annapure	M/s. Aditay Birla Sci & Tech	96667
68	Prof.U.S.Annapure	M/s. Mad Parsee Food LLP	100000
69	Prof.U.S.Annapure	M/s. Malavsian Plamoil Board	125000
70	Prof.G.D.Yadav	M/s. OEC Project Manager	120000
71	Prof.G.D.Yadav	M/s. OEC Project Manager	80000
72	Prof.G.D.Yadav / Prof.S.S.Bhagwat & Prof. Manish Yadav	M/s. Kiri Industries Limied	165750
73	Prof.Amit Pratap	M/s. M.C. Dwivedi	50000
74	Prof.Amit Pratap	M/s. Monopoly Innovation Pvt Ltd	35400
75	Prof.A.B.Pandit	M/s. Encore Natyral Polymers	1989000
76	Prof.A.B.Pandit	M/s. Technova Imaging System Pvt Ltd	994500
77	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (June 2020)	46041
78	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (July 2020)	46041
79	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Aug 2020)	46041
80	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Sep 2020)	46041
81	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Oct 2020)	46041

Sr. No.	Name Of The Consultant	Name Of Company	Amount Received
82	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Nov 2020)	46041
83	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Dec 2020)	92083
84	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Jan 2021)	92083
85	Prof. Ashok Athalye	M/s. Rossari Biotech Limited (Feb 2021)	92083
86	Prof.C.S. Mathpati	(Jan to March)I Installment	58050
87	Prof.C.S. Mathpati / Prof.V.H.Dalvi	M/s. Embio Limited	44800
88	Prof.C.S. Mathpati	M/s. Embio Limited	165750
89	Prof.C.S. Mathpati	M/s. UPL Limited	194311
90	Prof.C.S. Mathpati	M/s. Jayant Agro Organics Pvt Ltd	59394
91	Prof.C.S. Mathpati	M/s. Jayant Agro Organics Pvt Ltd	59394
92	Prof.C.S. Mathpati	M/s. UPL Limited	4150000
93	Prof.C.S. Mathpati	M/s. Ultramarine & Plgments ltd	165750
94	Prof.C.S. Mathpati	M/s. Jayant Agro Organics Pvt Ltd	59394
95	Prof. V.H.Dalvi / Prof.C.S.Matpati	M/s. Embio Limited	44800
96	Prof. V.H.Dalvi	M/s. Sudorghan Chemical I Limited	1657500
97	Prof. V.H.Dalvi	M/s. Panorama Consulting	32400
98	Prof. V.H.Dalvi	M/s. Panorama Consulting	64800
99	Prof. Vikas N. Telvekar	M/s. Lasa Supergenerics Limited	100000
100	Prof. Dipak V. Pinjari	M/s. Shiv Chem	354000
101	Prof. Dipak V. Pinjari	M/s . Indus water Institute Pvt ltd	150000
102	Prof. Angha S. Sabhis	M/s. Nippon Pain I Pvt Ltd	35400
103	Prof. Angha S. Sabhis	M/s. Axalta Caating System India Pvt Ltd	33150
104	Prof. Angha S. Sabhis	M/s. Ultratech Chemical Limited	331499
105	Prof. Angha S. Sabhis	M/s. Precision Wires I Limited	92500
106	Prof.Vandana Patravale	M/s. Cadila Pharmaceticals	540000
107	Prof.Vandana Patravale	M/s. Sahajananad Medical Tech Pvt Ltd	804600
108	Prof.Vandana Patravale	M/s. TRM Ireland	74025
109	Prof.Prashant S. Kharkhar	M/s. Godavari Biorefineris Limited	202500
110	Prof.Prashant S. Kharkhar	M/s. Advent Chem Bio Pvt Ltd	26550
111	Prof.Prashant S. Kharkhar	M/s. Godavari Biorefineris Limited	207187
112	Prof.Prashant S. Kharkhar	M/s. Godavari Biorefineris Limited	207187
113	Prof.Prashant S. Kharkhar	M/s. Godavari Biorefineris Limited	207187
114	Prof.Prashant S. Kharkhar	M/s. Godavari Biorefineris Limited	202500
115	Dr. Shashank Mhaske	M/s. Akzo Nobel India Ltd	176800
116	Dr. Shashank Mhaske	M/s. Polnrann India Limited	55250
117	Dr. Shashank Mhaske	M/s. 5peco Indfrastructure	140940
118	Dr. Shashank Mhaske	M/s. Aditya Birla Sci & Tec Co. Pvt Ltd	78750
119	Dr. Shashank Mhaske	M/s. Chugoku Paints I Pvt Ltd	879580
120	Dr. Shashank Mhaske	M/s.Visen Instries ltd	185600
121	Dr. Shashank Mhaske	M/s. SP Concare Pvt Limited	85137
122	Dr. Shashank Mhaske	M/s. Rites limited	51935
123	Dr. Shashank Mhaske	M/s. Maharashtra Jeevan Pradhikaran	42180
124	Dr. Shashank Mhaske	M/s Growel Paints I Ltd	152490
125	Dr. Shashank Mhaske	M/s. Encore Natural Polymars	563550
126	Dr. Shashank Mhaske	M/s. Chugoku Paints I Pvt Ltd	993395
127	Dr. Shashank Mhaske	M/s. Dynasoure Concrete pvt ltd	158015
128	Dr. Shashank Mhaske	M/s, Hindustan Paints & Products	59000
129	Prof.R.N. Jagtap	M/s. Reliance Industries Limited	70200

Sr. No.	Name Of The Consultant	Name Of Company	Amount Received
130	Dr. Jyostha T.Waghmare / Prof.S.S.Bhagwat	M/s. Hindustan Unilever Limited	54000
131	Dr. Jyostha T.Waghmare / Prof.U.S.Annapure	M/s. MPOB Malaysia	125000
132	Dr. Sathish Dyawanapely	M/s. Vibar Nutripharma Solutions	59000
133	Prof. Sadhana	M/s. Abbot India Limited	23125
134	Prof.Lakshmi Kantam / Prof.V.K.Rathod	M/s. Prasol Chemical Pvt Ltd	90000
135	Dr.Aarti More	M/s. Guru Paints Pvt Ltd	36575
136	Dr. Annamma Odaneth	M/s. UPL Limited	324000
137	Dr. Annamma Odaneth	M/s. UPL Limited	324000
138	Dr. Annamma Odaneth	M/s. UPL Limited	324000
139	Prof.S.V.Joshi	M/s. Benzo Chem I Pvt Ltd	55250
140	Dr. Manju Sharma	M/s. Meera Clearfuls Limited	259600
TOTAL			39185984