

PROFESSOR M. M. SHARMA LIBRARY

Introduction:

Established in the year 1934, Prof. M M Sharma Library functions as the central library of the institute and can be called one of the best special libraries in the country. It performs a dual role of an Academic Library as well as a Research Library, catering to the information needs of the in-house students and faculty, in particular, and, the academic and research community, in general. It is housed in a separate Ground Plus two-storied building and follows a completely open-access system. It has a specialized collection in Chemical Engineering, Chemical Sciences, Chemical Technology and Pharmacy and its allied fields. The library follows Universal Decimal Classification scheme. The library can boast of rich heritage collection of old classic books and bound volumes dating back to 1930s. But along with the traditional collection it has a significant digital collection as well. Currently has access to more than 500 electronic journals. Has access to databases such as Reaxys, Sci-Finder, Scopus, Web of science, etc. The library is fully computerized using the library management software called KOHA. It can be termed as a hybrid library with best collection of printed and digital documents. The library is also a member of E-Shodh Sindhu Consortium. Library is under CCTV surveillance

Library Timings:

On Working days 8:30 a.m. – 8:30 p.m.

On 2nd and 4th Saturdays,
Sundays and holidays 11.00 a.m.– 6.00 p.m.

Library remains open throughout the year except on four days, viz. Independence day, Republic day, Ganesh Chaturthi, and Dassera.

Specialty Area:

Chemistry, Applied Chemistry, Chemical Technology, Chemical Engineering, Pharmacy, Energy & Environmental Engineering, Biotechnology, Food Technology & Fermentation, Polymer Science & Technology, Plastics, Textile Science & Technology, Oils & Surfactants, Dyestuff Technology, etc.

Library Staff:

Professional staff: 3 (All 3 with Library Science Degree)
Semi-professional staff: 2 (1 with Library Science Degree)
Attendants (two shifts): 12
Trainee: 1
Total Staff with Library Science Degree: 4

Library Layout:

The Library is a ground plus two storied building.
Carpet Area of the library (in m²): 1391
Reading space (in m²): 1391
Total seats in reading space: 200

The layout is as follows:

| Floors | Sections | Number of reading seats available |
|--|---|-----------------------------------|
| First Floor (Entrance to the Library) | Book Collection & Circulation counter | 72 |
| Second Floor | Current Journals (latest issues), Reference Book Section, Theses Section, Book Bank Section | 48 |
| Ground Floor | Bound volumes (Back Issues) of Journals, Photocopying Section | 49 |
| Second Floor | E-Library | 31 |

Membership:

Bonafide students and faculty of the institute are the members of the library and can avail book lending facility. Book borrowing facility is against ID card.

Library Portal:

Library portal is hosted on the intranet of the institute <http://ictlibrary.firstray.in/>
OR <http://intranet.ict/Library.aspx/>

Library Catalogue:

Library catalogue can be accessed through the WEBOPAC
<http://ictlibrary.firstray.in/>

Library Collection:

Printed Resources

Books:

The library has a very rich collection of books. The spectrum of the book collection ranges from as old as dating back to 1930s to the latest. The collection has few rare and classic books which is regularly updated with the latest updated books in the area of Chemistry, Applied Chemistry, Chemical Technology, Chemical Engineering, Pharmacy, Energy & Environmental Engineering, Biotechnology, Food Technology & Fermentation, Polymer Science & Technology, Textile Science & Technology, Oils & Surfactants, Dyestuff Technology.

Book Bank collection is a special collection of Text Books which are issued to students for a longer period.

Access: Books can be searched through a computerized catalogue from the member's desk. Also terminals on every floor are available to search the catalogue.

Printed Journals:

The library subscribes to a number of scholarly journals in different specialized areas from various renowned publishers.

Access: Journals can be searched through a computerized catalogue from the member's desk. Also terminals on every floor are available to search the catalogue.

Theses:

A collection of all the Theses submitted by PhD and Master's students are stored in the library and are available for reference to members.

Access: Theses can be searched through a computerized catalogue from the member's desk. Also terminals on every floor are available to search the catalogue.

Reports:

This collection comprises of Bios, Cios & Fiat reports and various other research reports.

Access: Reports can be searched through a computerized catalogue from the member's desk. Also terminals on every floor are available to search the catalogue.

Bound Volumes:

The older issues of journals are bound into volumes and are available for reference.

Access: Printed catalogue of all the bound volumes is available at the ground floor in the Bound Volume section.

Digital Resources

Databases

The Library subscribes to a number of indexing and abstracting and informative databases

Scopus: <https://www.scopus.com/>

Scopus is the largest abstract and citation database of peer-reviewed literature: scientific journals, books and conference proceedings. Delivering a comprehensive overview of the world's research output in the fields of science, technology, medicine, social sciences, and arts and humanities, Scopus features smart tools to track, analyze and visualize research.

Access: IP based access is available throughout ICT campus.

Reaxys: <https://www.reaxys.com/>

Reaxys is a web-based tool for the retrieval of chemistry information and data from published literature, including journals and patents. The information includes chemical compounds, chemical reactions, chemical properties, related bibliographic data, substance data with synthesis planning information, as well as experimental procedures from selected journals and patents. It is licensed by Elsevier.

Access: IP based access is available throughout ICT campus.

Sci-Finder: <https://sso.cas.org/>

SciFinder is a research discovery application that provides unlimited access to the world's most comprehensive and authoritative source of references, substances and reactions in chemistry and related sciences. SciFinder offers a one-stop shop experience with flexible search and discover options based on user input and workflow.

Access: IP based access is available throughout ICT campus.

Web of Science: <https://www.webofscience.com/>

Web of Science is an online subscription-based scientific citation indexing service now maintained by Clarivate Analytics that provides a comprehensive citation search. It gives access to multiple databases that reference cross-disciplinary research, which allows for in-depth exploration of specialized sub-fields within an academic or scientific discipline.

Access: IP based access is available throughout ICT campus.

Derwent Innovation: <https://www.derwentinnovation.com/login/>

Derwent Innovation is a proprietary patent research application that provides trusted patent data and tools to monitor technology trends and competitive landscapes, inform FTO opinions, prosecute patents, monetize and license assets and support litigation activities. It provides access to Derwent World Patents Index (DWPI), a curated patent database with editorially curated titles and abstracts, special subject matter classification coding and indexing, and proprietary patent invention-centric family building. Also includes the Derwent Patent Citation Index (DPCI) which indexes backwards and forwards patent and literature citations.

Access: Access is login based. User needs to visit the library, use library terminal to access it. Please enquire at Library Circulation counter for further details.

InCites Benchmarking & Analytics: <https://access.clarivate.com/>

InCites Benchmarking & Analytics is a customized, web-based research evaluation tool that can help you develop your research strategy. InCites B&A allows you to analyze institutional productivity, monitor collaboration activity, identify influential researchers, showcase strengths, and discover areas of opportunity.

Access: IP based access is available throughout ICT campus.

eJournals

The library subscribes to a number of electronic journals from renowned publishers like Elsevier, Wiley, Thieme, Springer, Taylor & Francis, RSC, ACS, Begell, IOP, etc. Also has access to a huge number of ejournals through Infilbnet eShodhsindhu consortium.

Access: IP based access to all the ejournals is available throughout ICT campus.

<https://pubs.acs.org/>

<https://www.begellhouse.com/>

<https://www.eurekaselect.net/index.php>

<https://www.sciencedirect.com/>

<https://www.emerald.com/insight/browse/publications>

<https://iopscience.iop.org/>

<https://www.rsc.org/>

<https://in.sagepub.com/>

<https://link.springer.com/>

<https://taylorandfrancis.com/>

<https://www.thieme.in/>

<https://onlinelibrary.wiley.com/>

eReference Sources

Begell Heat Exchanger Design Handbook (HEDH) – Multimedia edition:

<https://hedhme.com/>

Reference source for heat exchanger design and associated technologies. The print edition has been converted to a fully searchable interactive web-based multimedia product. The content is presented in an exciting interactive HTML format with in-text unit conversion and references, widgets for key heat transfer calculations, wizards to guide heat exchanger selection and 3D interactive visualization of equipment.

Access: IP based access to multimedia handbook is available throughout ICT campus.

Jove Video Journals: <https://www.jove.com/>

Scientific video journal. Peer reviewed. Multi-disciplinary. Indexed in PubMed and Web of Science JoVE publishes peer-reviewed scientific video protocols to accelerate biological, medical, chemical and physical research. Watch our scientific video articles. The Journal of Visualized Experiments is a set of scientific video journals dedicated to advancing science by increasing reproducibility and efficient knowledge transfer. Articles combine high-quality video demonstrations of experiments with detailed text protocols. All content is peer-reviewed and indexed in Medline, PubMed, Web of Science, and other relevant databases. Video Journals include, Behavior, Biochemistry, Bioengineering, Biology, Cancer Research,

Chemistry, Developmental Biology, Engineering, Environment, Genetics, Immunology and Infection, Medicine, Neuroscience.

eBooks

Access to a collection of electronic Books published by RSC, ACS, Elsevier, Begell, T&F and Pearson eTextbooks is available.

<https://pubs.acs.org/>

<https://www.begellhouse.com/>

<https://www.sciencedirect.com/>

<https://www.rsc.org/>

<https://taylorandfrancis.com/>

<https://ebookcentral.proquest.com/>

Access: IP based access to all ebooks is available throughout ICT campus.

eTheses

The eTheses of ICT as well as other universities are available on inflibnet consortia eShodhganga.

Access: Link is accessible through the library portal.

<http://shodhganga.inflibnet.ac.in/>

eResearch Tools

The library supports the research students with tools like

Reference Manager (Mendeley, endnote, Zotero)

<https://www.mendeley.com/>

<https://endnote.com/>

<https://www.zotero.org/>

Grammar Skills (Grammarly)

www.grammarly.com/edu

Plagiarism Check (Urkund, iThenticate)

<https://www.ouriginal.com/login/>

https://app.ithenticate.com/en_us/login

Services:

- Circulation
- Bibliographic Service
- User Orientation
- Reference Service
- Training programs, Workshops & Events
- Book Bank Service
- Reading Hall
- Internet (ports & wi-fi)
- eLibrary Terminals
- Photocopying Service

Events/Training Programs:

Training programs for the usage of e-resources is organized by the library regularly. Such programs & events are announced through emails. Also Author workshops & Literature Survey workshops are regularly organized by the library for PG & PhD Scholars. Some Event Details organized so far

- Prof. M M Sharma Library and ACS had organized a virtual event "ACS on Campus" on 24th February 2022, 11am to 01pm, for PG Students, covering topics "Effective Science Writing" - Ramesh L. Gardas, AE, The Journal of Chemical & Engineering Data, IIT Madras, "Managing Your Data" Dipankar Das (D.D.) Sarma, Senior Editor, *ACS Energy Letters*, Indian Institute of Science.
- Prof. M M Sharma Library had organized an online training program for Grammarly titled, Improving Research Writing Using Grammarly on 11th January 2022, 3.00pm
- Prof. M M Sharma Library with VES College of Science, Arts and Commerce Library had jointly organized one-day webinar on 'Emerging Technologies for Academic Libraries and Future Librarianship' on the occasion of Librarian's Day celebration and to commemorate the 129th Birth Anniversary of Dr. S R Ranganathan on 13th August 2021, 1.45pm
- Prof. M M Sharma Library had organized a webinar on Know your Library: Resources and Access on 15th July 2021 & 3rd Oct 2021, for ICT Community.
- Prof. M M Sharma Library with VES College of Science, Arts and Commerce Library had jointly organized 7-day National Level Capacity Building Programme'(Virtual) under TEQIP-III Twining programme titled "e-Shodhyatra: Emerging Trends & Technologies in Scholarly Communication" from 23rd November - 4th December 2020, Prof. Gagandeep Kang, FRS The Wellcome Trust Research Laboratory Division of Gastrointestinal Sciences Christian Medical College, Vellore, & Padma Vibhushan Prof. M.M. Sharma, FRS Emeritus Professor & Former Director, Institute of Chemical Technology, Mumbai were the Keynote Speaker and Guest of Honour respectively.
- Technological Association's Bombay Technologists had invited Senior Librarian for a talk titled "Beyond the walls of the library: reach the relevant e-information & services" on 20th November 2020.
- On the occasion of Vachaan Prerana Din & World Food Day, Prof. M M Sharma Library had organized a Virtual Book Talk on "The Science and Technology of Chapatti and Other Indian Flatbreads, 15th October 2020, 4.00pm, Prof. S.S. Lele Director, Institute of Chemical Technology, Marathwada campus, Jalna, Prof. Laxmi Ananthanarayan Professor, Department of Food Engineering and Technology, Institute of Chemical Technology, Mumbai, Dr. Anamika Banerji Technical consultant, Baking Technology Platform, General Mills Indian Pvt. Ltd.
- Prof. M M Sharma Library had arranged for an online introductory session to Patenting in Academia and using Derwent Innovation on Saturday, August 1, 2020, 11.30am
- Prof. M M Sharma Library with VES College of Science, Arts and Commerce Library had jointly organized a National Webinar on Rethinking and Recreating the Academic Library: Lessons from the Pandemic E-Library 22nd -25th July 2020, for Academic Librarians, Prof. Ramesh Gaur Dean & Director (Lib & Inf.)/ Head - Kala Nidhi Division Indira Gandhi National Centre for Arts (IGNCA) Autonomous body of Ministry of Culture, Government of India was the Keynote Speaker.

- Prof. M M Sharma Library with VES College of Science, Arts and Commerce Library had jointly organized a National webinar on Copyright: Concerns & Challenges for Online Education, 15 JULY 2020 11.00 AM to 1.30 PM, DR. AKHTAR PARVEZ University Librarian, Maulana Azad National Urdu University (MANUU), DR. SHRIRAM PANDEY Assistant Professor, Department of Library and Information Science, Banaras Hindu University
- Prof. M M Sharma Library & Elsevier had arranged for an online training programme on "Drug Repurposing Using Reaxys" on July 02, 2020 at 11.30am.
- Prof. M M Sharma Library & Elsevier had arranged for a web training session on Reaxys database on 4th June 4, 2020 at 11 am.

Library at a Glance

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|---|---|
| Total printed resources (Books, BV, standards, Reports, etc) | 77,988 |
| Theses (Doctoral & Masters) | 5835 |
| Printed Journals | 31 (International 12+National 19) |
| E-Databases | <ul style="list-style-type: none"> ▪ Scopus ▪ Reaxys ▪ Sci-Finder ▪ Web of Science (eSS) ▪ Derwent Innovation ▪ InCites |
| E-Journals (4579) | <ul style="list-style-type: none"> ▪ ACS (eSS) (49) ▪ Begell Digital Lib. (51) ▪ Bentham Science (132) ▪ Elsevier SD (394) ▪ Emerald (62) ▪ IOP (68) ▪ Jove Video Journals (13) ▪ RSC (46) ▪ Sage (2) ▪ Springer (eSS) (1729)+ 10 Top up ▪ Taylor & Francis (eSS) (1079)+27 Topup ▪ Thieme (2) ▪ Wiley (915) |
| E-Journals Archives (339) | <ul style="list-style-type: none"> ▪ Elsevier (190) ▪ RSC (59) ▪ Sage (5) ▪ T&F (43) ▪ Thieme (2) ▪ Wiley (40) |
| E-Books (790) | <ul style="list-style-type: none"> ▪ ACS (115) ▪ Begell (139) ▪ Elsevier (193) ▪ Pearson (68) ▪ RSC (155) ▪ T&F (120) |
| E-Research Tools | <ul style="list-style-type: none"> ▪ iThenticate ▪ Urkund (eSS) ▪ Grammarly ▪ Remote XS |
| Digitization by ICT | <ul style="list-style-type: none"> ▪ Digitized Theses (1000 completed) ▪ BIOS, CIOS, FIAT report |