



**MANIPAL UNIVERSITY
JAIPUR**

CHEMISTRY CHRONICLES

**DEPARTMENT OF CHEMISTRY
JANUARY-MARCH 2026
VOLUME 2026.1**

CONTENTS

Dean's and HoD's message

Events

Ongoing Projects

Awards

Publications

Meet our faculty member

Team: Department of Chemistry

Newly joined faculty members

Faculty Editor

Dr. Jayasmita Jana

Faculty Co-editor

Dr. Mainak Ganguly



Chemistry is the bridge between the mysteries of the universe and the marvels of modern technology, transforming the ordinary into the extraordinary.

VISION

Promote academic excellence and research proficiency to foster leadership and global competence.

MISSION

To cultivate practical, technology-driven expertise through application, research, and innovation.

To educate students on optimal practices within the field of chemistry and integrate them with current industry requirements.

To empower students to cultivate essential skills for professional performance and ethical engagement with a global perspective



At the Department of Chemistry, we explore and try to understand various aspect of atoms, molecules, and materials, working side by side with graduate and undergraduate students through an active research program along with quality education. The faculty members in the department work to develop novel nanomaterials, catalysts, drugs, solar sensitize dyes, and organic synthesis through advance experiments and computational molecular modelling with an aim to train exceptionally good chemists and material scientist and to work for the betterment of the society.

The internal machinery of life, the chemistry of the parts, is something beautiful. And it turns out that all life is interconnected with all other life.

Dean- Research, International Affairs and Academic Administration (RIAAA)

RIAAA's Message

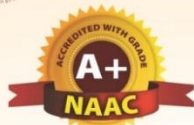
Welcome to the School of Biological and Physical sciences, Manipal University Jaipur (MUJ).

All measures of success are increasing enrollment and accomplishments at the undergraduate level, research and graduate studies, faculty success in obtaining sponsored research, and national recognition through awards given to our faculty and students. The training our students require to compete and succeed in the workforce is our top priority, as is preparing the next generation of scientists to solve global challenges.

In my capacity as MUJ Dean, RIAAA (FOS), I actively help students develop into the greatest scholars, researchers, and policymakers. I give my coworkers a diversified and welcoming work atmosphere and, when needed, I assist them to help the school obtain the best possible funding from national and international organizations. There will be a focus on a cooperative and integrated approach to research, learning, and teaching. I have a great belief that the MUJ faculty will overcome the obstacles in their way to accomplish their aims and provide society with the



MANIPAL UNIVERSITY
JAIPUR



MANIPAL UNIVERSITY JAIPUR

is proud to announce that the University has been accredited with

A+3.28

by the National Assessment and Accreditation Council (NAAC)

HoD's Message

Welcome to the Department of Chemistry at Manipal University Jaipur. The chemistry department provides a vibrant research and teaching environment, state-of-the-art laboratories, and excellent career development guidance. For both our undergraduate and graduate programs, our department seeks to entice the best academics from India. Our department presents itself as the ideal location for bright young minds pursuing further study in Chemistry. We prioritize curiosity-driven research and have multiple research clusters devoted to solving burning issues facing both industry and society. Students who have graduated from this institution have gone on to hold prominent positions in both academia and industry, thanks to the dedicated teaching and research efforts of our distinguished faculty members. With state-of-the-art research facilities and effective administration, our faculty members collaborate successfully on an international level with top experts in their fields. Numerous organizations, including DST, CSIR, SERB, to mention a few, have acknowledged the commitment of our department and its faculty members to research and teaching. In addition, our academic staff participates in outreach programs that assist young people with a strong interest in science. Our supportive technical and administrative staff members contribute significantly to our endeavors.

~

Dr. Praveen Kumar Surolia



Industry Talk

EVENTS

Department of Chemistry and Biosciences are organizing Industrial talk for faculty and students session entitled “**Frontiers in Drug Discovery: From Molecules to Medicines**”.

The details of the session are:

Title: **Frontiers in Drug Discovery: From Molecules to Medicines**

Eminent Speaker: **Dr. Obul Reddy Bandapalli**

Date: **January 27, 2026**

Time: **3:00 PM – 4:00 PM**

Venue: **Sharda Pai Auditorium**

Speaker: Dr. Obul Reddy Bandapalli is currently the Director, Molecular Biology and Genomics, Syngene International Ltd., Bangalore, India. Dr. Obul Reddy Bandapalli is a molecular biologist and cancer genomics researcher worked for two decades in Germany as Principal Scientist at the German Cancer Research Center (DKFZ) / Hopp Children's Cancer Center, focusing on functional genomics, cancer biology, and metastasis. He earned his PhD in Molecular Biology and has contributed to several international research



Workshop

EVENTS

Two-day workshop on “**Next Generation Atomistic Modeling & Simulation**”, organized by the Department of Chemistry in collaboration with the Directorate of Research at Manipal University Jaipur.

The workshop was conducted on **12–13 March 2026, 203 Lab, 2AB**

Workshop focus on advanced computational approaches including **Density Functional Theory (DFT)**, **Reactive Force Field (ReaxFF)** simulations, and hands-on training on the **Amsterdam Modeling Suite (AMS)**.

We are honored to have **Mr. Sreejit Soman (Nyro Research India)** as the resource person for this workshop, who will deliver expert lectures and conduct hands-on sessions.

**MANIPAL UNIVERSITY
JAIPUR**

**INSTITUTION'S
INNOVATION
COUNCIL**

**4
PILLARS
OF
QUALITY**

**9
PILLARS
OF
QUALITY**

**A+
NAAC**

Workshop

on

Next Generation Atomistic Modeling & Simulation

Organized by

Department of Chemistry in collaboration with Directorate of Research

Resource Person
Mr. Sreejit Soman
Nyro Research India



 12-13 March, 2026

Register:
PG/PhD Scholars/Faculty

 **Limited Seats**

Day 01 : AMS Applications & Molecular & Periodic DFT Handson

- Introduction to AMS and Modules
- Workshop Overview & Objectives
- Introduction to Amsterdam Modeling Suite (AMS)
- ADF Fundamentals: Density Functional Theory (DFT) for Molecular Systems
- ReaxFF & ML Potentials Applications
- Introduction to ReaxFF
- Molecular Dynamics and Related Applications
- **Hands on :**
 - AMS GUI covering the applications of AMS
 - Battery Modeling
 - Ionic Diffusion
 - BAND, QE, PLAMS

Day 02 :Reactive Force Field Simulations

- **Morning Session:** ReaxFF Simulations
 - When to Use ReaxFF vs. DFT
 - COSMO-RS & Applications
 - Overview on the parameter analysis & properties
 - Applications with Multi Species Components
- **Hands-on:**
 - Bond Boost Method and the applications
 - Reaction Boost (Targeted MD) Bonding Making & Bond Breaking
 - Reaction Discovery
- **Closing Session:**
 - Q&A
 - Certificate Distribution & Feedback

Click & Scan to Register
<https://forms.office.com/r/PLws5Qa2RZ>



**COSMO-RS**
Fast thermodynamics from quantum mechanics

**ADF**
Powerful DFT software for modeling chemistry

**BAND**
Sprayable DFT for materials, surfaces, and bulk

**ReaxFF**
Reactive FF with ML and analysis tools

**MOPAC**
Fast semi-empirical with integrated GUI

**DFTB**
Fast semi-empirical DFT for molecules, SS, 2D and 3D

**GUI**
Integrated GUI for easy set up & visualization

**AMS**
Complete MD, MC, and PES tools with one engine

**Amsterdam Modeling Suite**

**Molecular Dynamics**

**Reaction Discovery**

**Bond Boost**

**Reaction Boost**

**COSMO-RS**

**Ionic Diffusion**

**Battery Modeling**

**ML Potentials**

Convener: Dr. Saurabh Srivastava Co-Convener: Dr Renuka Suravajhala

Brief Description of the Event:

The workshop began with registration and an introductory session explaining the importance of atomistic modeling in modern scientific research.

Day 1

The first day focused on the fundamentals of computational modeling. Topics included introduction to Amsterdam Modeling Suite, Density Functional Theory (DFT), ReaxFF simulations, and molecular dynamics. Participants were also guided through hands-on exercises involving the AMS graphical interface and molecular modeling workflows.

Day 2

The second day focused on advanced simulation techniques such as Reactive Force Field simulations, COSMO-RS applications and reaction discovery methods. Practical demonstrations included the Bond Boost method and Reaction Boost simulations.

The workshop concluded with an interactive discussion session and feedback from participants.

Geo-Tagged Photographs:







Dahmi Kalan, Rajasthan, India 🇮🇳
 Rhr6+8ph, Dahmi Kalan, Rajasthan 303007, India
 Lat 26.840784° Long 75.561819°
 Friday, 13/03/2026 03:19 PM GMT +05:30

Department of Chemistry at School of Physical and Biological Sciences in collaboration of MUJ-TEC organized a **One Week ICT-based STC/FDP on “Research Publication Ethics and Computational Tools” from 16/02/2026 to 20/02/2026**. This event was conducted by NITTTR Chandigarh in association with Manipal University Jaipur as a Remote Centre. The STC come under the following sustainable development goals: a. Quality Education b. Industry, Innovation and Infrastructure c. Peace, Justice and Strong Institutions.

The Faculty Development Program (FDP) on “**Research Publication Ethics and Computational Tools**” is highly valuable for faculty members and research scholars in the present academic environment. It emphasizes the importance of ethical research practices such as avoiding plagiarism, maintaining data integrity, proper citation and responsible authorship. The program also provides insights into publication standards, peer-review processes and identifying quality journals, which helps improve the credibility and impact of research work.

In addition, the FDP introduces participants to various computational tools for data analysis, reference management, plagiarism detection and scientific writing. These tools enhance research efficiency and support the preparation of well-structured manuscripts. For faculty, it strengthens research skills and improves guidance to students, while for research scholars, it builds a strong foundation for conducting ethical and effective research. Overall, the FDP promotes responsible research practices and the effective use of modern tools.

Objectives

The aim of this course is to familiarize the faculty members, scientists, ME/MTech/PhD scholars and technical staff **with ethical standards, best practices, and emerging challenges in research publications**.

The Course contents are

Principles of research and publication ethics, plagiarism, and academic integrity, Responsible authorship, peer review process, and predatory journals, Use of computational tools for plagiarism checking, reference management, and data analysis.



MANIPAL UNIVERSITY
JAIPUR



A Five-Day
Faculty Development Program
on

Research Publication Ethics and Computational Tools

in ICT Mode
on
16 Feb 2026 to 20 Feb 2026

Organized By:
Department of Chemistry,
School of Physical and Biological Sciences
and MUJ TEC
Manipal University Jaipur
along with NITTTR, Chandigarh



Registration Link

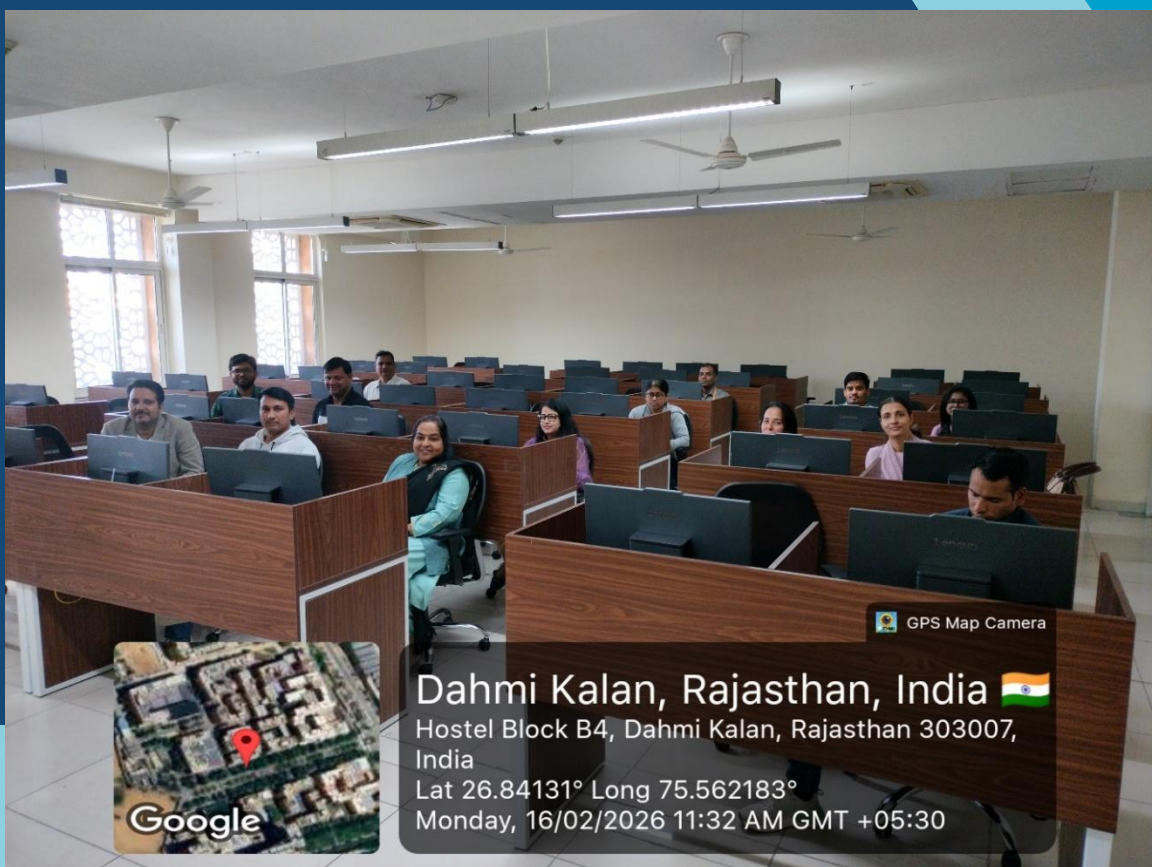
(<https://fdp.nitttrchd.ac.in/backingup/>)

Conveners

Dr. Sushil Kumar
(9068839404)

Dr. Aman Kumar
(9728405400)

Dr. Anil Ahlawat
(7404249450)



GPS Map Camera

Dahmi Kalan, Rajasthan, India

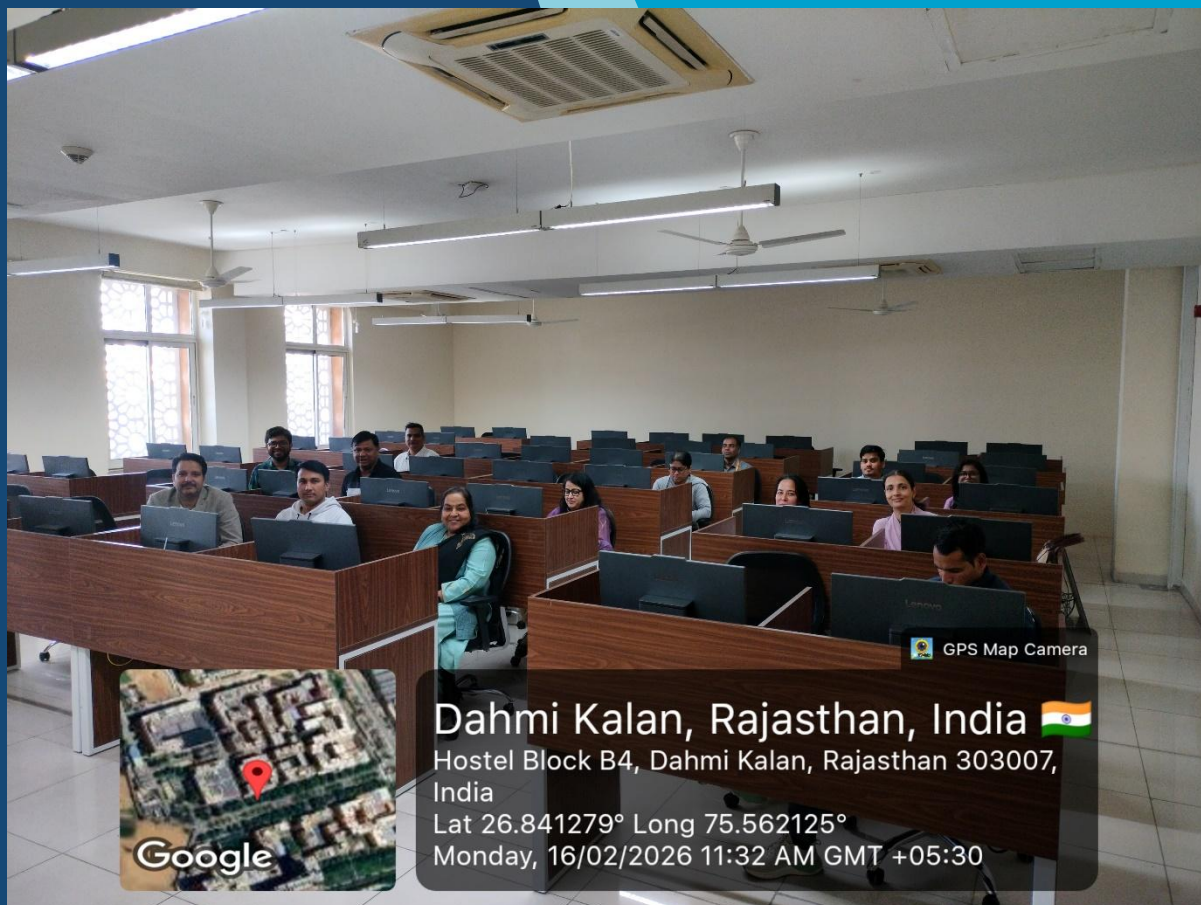
Hostel Block B4, Dahmi Kalan, Rajasthan 303007,
India

Lat 26.84131° Long 75.562183°

Monday, 16/02/2026 11:32 AM GMT +05:30



Google



GPS Map Camera

Dahmi Kalan, Rajasthan, India 

Hostel Block B4, Dahmi Kalan, Rajasthan 303007,
India

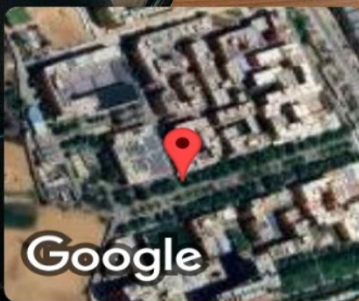
Lat 26.841279° Long 75.562125°

Monday, 16/02/2026 11:32 AM GMT +05:30

Google



GPS Map Camera



Dahmi Kalan, Rajasthan, India



Hostel Block B4, Dahmi Kalan, Rajasthan 303007, India

Lat 26.841258° Long 75.562019°

Thursday, 19/02/2026 02:55 PM GMT +05:30

Ongoing projects

S. No.	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration (Start and end date)	Amount sanctioned (INR, Lakh)
1	Dr Praveen Kumar Surolia	CRD/2024/000885	ANRF	Design and development of ordered mesoporous materials-based heterojunctions for wastewater treatment (Two Years; Selected for Funding)	35.0
4.	Dr. Lalita Ledwani (Coordinator & PI)	SR/PURSE/2022/142	DST PURSE	Development and Utilization of high value products from waste resources: Circular solution for agricultural and non-agricultural applications (2022 -2026)	1000
5.	Dr. Lalita Ledwani (Coordinator & PI)	WOG Greencoal Pvt Limited, New Delhi	WOG Greencoal Pvt Limited, New Delhi	Industry consultancy project titled Operation Trials & RM/Product Analysis of Biomass Feedstock Pyrolysis 2026	7.0

Awards/Recognition/Invited lecture

Prof. Lalita Ledwani

Invited for Interview Sessions

Interview by Akashvani Radio Jaipur–Ajmer for the *Parihani Programme*, on the occasion of *International Day of Women and Girls in Science*; February 11, 2026.

Resource Person in Panel Discussions

Panel Discussion on “*One Health Approach*”, during the *Symposium on “Sustainability & Health: A Synergistic Approach*”, organized by *Manipal University Jaipur*; March 10, 2026.

Expert Lecture

Invited Lecture on Ecofriendly Plasma–Natural Product Synergy for Functional Textiles Polymers on January 30, 2026, 7th International Conference on Recent Trends in Materials and Devices (ICRTMD-2026), organized by Amity University, Noida.

Awards

1. Full Member (by Invitation) by Sigma Xi – The Scientific Research Honor Society, USA on March 12, 2026.

2. Featured on the social medial pages of the Royal Society of Chemistry (RSC), UK for contributions in the field of chemical sciences, March 3, 2026;

<https://www.linkedin.com/company/roysocchem/posts/?feedView=all>;

<https://www.linkedin.com/feed/update/urn:li:activity:7434115347978461184/>;

<https://www.linkedin.com/company/roysocchem/posts/?feedView=all>



Dr Lalita Ledwani,
CChem FRSC

Manipal University Jaipur

“RSC has empowered me with a global platform to collaborate with leading experts and advance translational science. ‘Chemistry Is Hers’ is more than a statement—it’s a celebration of women driving innovation.”

PhD Awarded

Ms. Mumal Singh

Guide: **Dr. Lalita Ledwani**

Co-guide: Dr. S.K. Nema, FCIPT,

IPR, Gandhinagar

*Study of surface modification of
textile polymers by non-thermal
plasma and its applications*

**Awarded on
February 10,
2026**

Publications

S. No.	Name of the faculty	Title of the paper/book/book chapter	Journal Name	Month, Year
1.	Dr. Lalita Ledwani	Experimental and Computational Advances in Materials	Springer	2025
2.	Dr. Lalita Ledwani	Surface Engineering in Antibacterial Paints: Innovations for Revolutionizing Paints and Coating Technologies	Experimental and Computational Advances in Materials, Springer	2026
3.	Dr. Lalita Ledwani	Textile Surface Modification and Nano-finishing: A Comprehensive Review of Techniques and Applications	Experimental and Computational Advances in Materials, Springer	2026
4.	Dr. Lalita Ledwani	Biochar-Enhanced Biofertilization: Boosting Soil Microbial Activity, Disease Resistance, and Plant Growth	Experimental and Computational Advances in Materials, Springer	2026
5.	Dr. Lalita Ledwani	Harnessing Nanomaterials for Sustainable Water Purification	Experimental and Computational Advances in Materials, Springer	2026
6.	Dr. Lalita Ledwani	Synthesis of Sustainable Iron Pillared Nano-Composite using Plant Waste Biomass – Bentonite Clay for the Removal of Congo Red Dye	Environmental Sciences Europe	January 2026
7.	Dr. Mainak Ganguly	Role of sodium borohydride as a co-catalyst for nanoparticle-induced degradation of toxic dyes in aquatic systems	Nanoscale Advances	January 2026
8.	Dr. Praveen Kumar Surolia	Photocatalytic Degradation of BTEX: Catalysts, Mechanisms, and Operational Parameters	Experimental and Computational Advances in Materials	January 2026

9.	Dr. Praveen Kumar Surolia	Modifications strategies for ABO ₃ class of perovskite materials for effective photocatalytic activity	Ionics	January 2026
10.	Dr. Praveen Kumar Surolia	Effects of Changing Humidity and Temperature Environment on the Performance of Dye-Sensitized Solar Cells	Journal of Electronic Materials	January 2026
11.	Dr. Praveen Kumar Surolia	Sustainable biochar-MOF composites for the removal of tetracycline: Insights into batch and continuous studies	Materials Science and Engineering: B	January 2026
12.	Dr Veena Dhayal	Designing an eco-friendly graphene oxide-based titanium tetra-acetoximate modified epoxy coating for anti-corrosion properties of aluminium	Scientific Reports	January 2026
13.	Dr Deepak Kumar	Tailored polypyrrole-based composites for electromagnetic interference shielding in satellite communication bands	Advances in Colloidal Interference and Sciences	January 2026
14.	Dr Jayasmita Jana	Unlocking vanadium dichalcogenide monolayers (V ₂ Se ₂ and V ₂ Te ₂) for high-performing sodium-ion batteries: From experiment to first-principles	Journal of Energy Storage	January 2026
15.	Dr Veena Dhayal	Eco-conscious ZnO–cellulose composite extracted from wheat straw for photocatalytic and adsorptive applications in industrial wastewater treatment	Applied Water Science	February 2026
16.	Dr Veena Dhayal	Enhancing corrosion resistance of Epoxy-Based composite coatings on mild steel using functionalized aluminium oxide (Al ₂ O ₃) nanoparticles	Scientific Reports	February 2026
17.	Dr Veena Dhayal, Avni Kothari	Eco-conscious ZnO–cellulose composite extracted from wheat straw for photocatalytic and adsorptive applications in industrial wastewater treatment	Applied Water Science	February 2026
18.	Dr Deepak Kumar	Insight mechanism of photocatalytic degradation and hydrogen production using bismuth ferrite perovskite nanostructures	International Journal of Hydrogen Energy	February 2026
19.	Dr Deepak Kumar	Exploring the synergistic potential of cerium and lanthanum oxides prepared via microwave assisted sol-gel for energy storage applications	Journal of sol gel science and technology	February 2026

20.	Dr Deepak Kumar	Two-dimensional transition metal chalcogenides for water and wastewater remediation: a review	International Journal of Environmental Science and Technology	March 2026
21.	Dr Praveen Kumar Surolia	Waste-water remediation using lignin-based photocatalysis: Processing techniques and mechanistic insights	Materials Today Chemistry	March 2026
22.	Dr Deepak Kumar	Advanced engineering of an S-scheme BiCoO ₃ /Co-g-C ₃ N ₄ composite material supported on reduced graphene oxide for efficient photocatalytic activity	Journal of Materials Chemistry B	April 2026

Meet Our Faculty Member



ASSOCIATE PROFESSOR
DR. M. PRABHU INBARAJ



0000-0002-1535-5977
57202086462



Associate Professor
(Environmental Science
Division)
Department of Chemistry



Department of Chemistry;
School of Physical and
Biological Sciences



+91-141-3999100-816



+91-8754199342



michelprabhu.inbaraj@jaipur
.manipal.edu
prabhu.inbaraj@gmail.com



Deputy Registrar (Academics)
Cabin
Administrative Building
Manipal University Jaipur

ABOUT

Dr. Prabhu is an Associate Professor (Environmental Sciences Division), Department of Chemistry, Manipal University Jaipur and also serving as Deputy Registrar (Academics). He teaches Environmental Studies at UG level. His area of research includes wastewater treatment using adsorption technology, phytoremediation and plant stress physiology. He has published number of research papers in peer reviewed international journals.

DEGREES

- PhD: Madurai Kamaraj University, Madurai, Tamil Nadu, India
- MSc: Bharathiar University, Coimbatore, Tamil Nadu, India

PROFESSIONAL ASSOCIATION

- Society for Materials Chemistry: Life Member
- Indian Society of Chemists and Biologists: Life Member

PRIOR WORK EXPERIENCE

- Assistant Professor, Department of Chemistry, RK University, Rajkot, India (October, 2016 - June, 2024)
- Post Doctoral Fellow, Unit for Environmental Sciences and Development, North-West University, Potchefstroom, South Africa (May, 2012 - March, 2015).

RESEARCH AREAS

- Crop / Plant Stress Physiology
- Wastewater Treatment
- Phytoremediation
- Electron Microscopy



Team: Department of Chemistry

Provost



Dr. Nitu Bhatnagar

RIAAA



Dr. Lalita Ledwani

HOD



Dr. Praveen K. Surolia



Dr. Aman Kumar



Dr. Amrita Biswas



Dr. Anjani K. Pandey



Dr. Babia Malik



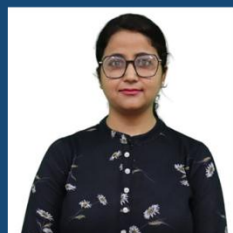
Dr. Deepak Kumar



Dr. Jagadeesh K. Alagarasan



Dr. Jayasmita Jana



Dr. Komal Arora



Dr. Mainak Ganguly



Dr. Meenakshi Pilonia



Dr. Michel P. Inbaraj



Dr. Rahul Shrivastava



Dr. Samanta Yadav



Dr. Saurabh Srivastava



Dr. Sriparna Ray



Dr. Suranjan De



Dr. Suravajhala Renuka



Dr. Sushil Kumar



Dr. Susruta Samanta



Dr. Veena Dhayal

Our New Faculty Member



Dr. Renuka Suravajhala joined Manipal University Jaipur in June, 2025 as an Assistant Professor in the Department of Chemistry, following her Assistant professor at Amrita Vishwa Vidyapeetham, India and worked as Research Associate, Roskilde University, Denmark. Her research focus on research centered on structural biology, molecularly imprinted polymer-based drug delivery systems and applications include targeted cancer therapy, biomolecular recognition, and drug discovery-oriented projects, integrating materials chemistry with biomedical applications. She has published 37 peer-reviewed international publications, 5 Book chapters and with an h-index of 11.

Degrees

- PhD. Manipal University Jaipur, Jaipur, India. (2022).
- M.Sc, Kakatiya University, India. (2002).
- B.Sc, Kakatiya University, India. (2000).

Academic Experience

- National Post Doctoral Fellow, National Chemical Laboratory Pune, India (May, 2024-July, 2025)
- Post Doctoral Professional Researcher, University of Ulsan, Ulsan, South Korea (September, 2018-February, 2023; December, 2023-February, 2024)
- Visiting Faculty, Department of Chemistry, P. K. College, Contai, India (December, 2021-September, 2023)

Research Areas

Computational biology, nanotechnology, targeted drug delivery, synthetic biology, biomolecular chemistry.

Awards and fellowships

- Best Oral presentation, RAMSACT 2025(2025)
- Manipal Distinguished Alumnus Award (2022)
- EMBO Travel grant (2022)
- President's Gold Medal for Excellence in Research (2022)
- Ramdas Pai Fellowship, Manipal University Jaipur (2018)
- JNCASR fellowship, JNCASR, Bengaluru, Government of India, 2002.

Membership

- Associate Member of Royal Society of Chemistry

- Life member of Bioclues.org
- Life member of Society for Materials Chemistry (SMC)

Selected Publications

1. Shanthappa, P. M., **Suravajhala, R.**, Kumar, G., & Melethadathil, N. (2025). Computational exploration of novel antimicrobial modalities targeting fucose-binding lectins and ribosomes in Mycobacterium smegmatis using tRNA-encoded peptides. *Journal of Biomolecular Structure and Dynamics*, 43(17), 9750–9762. <https://doi.org/10.1080/07391102.2024.2335555>
2. Kumar, S., Bothra, M., Choudhary, N., Faruq, M., **Suravajhala, R.**, Jetly, S., Kumar Polipalli, S., Kumar, A., Uppal, K., Suravajhala, P., Saran, R. K., Kabra, M., & Kapoor, S. (2025). Clinical, biochemical & molecular spectrum of adrenoleukodystrophy: A single centre experience. *The Indian journal of medical research*, 162(2), 237–245. https://doi.org/10.25259/IJMR_782_2024.
3. Khilwani, B., Kour, B., Shukla, N., Vuree, S., Ansari, A. S., Lohiya, N. K., Suravajhala, P., & **Suravajhala, R.** (2025). Characterization of lncRNA-protein interactions associated with Prostate cancer and Androgen receptors by molecular docking simulations. *Biochemistry and biophysics reports*, 42, 101959. <https://doi.org/10.1016/j.bbrep.2025.101959>.
4. Zawar, A., Manoj, G., Nair, P. P., Deshpande, P., **Suravajhala, R.**, & Suravajhala, P. (2025). Variants of uncertain significance: At the crux of diagnostic odyssey. *Gene*, 962, 149587. <https://doi.org/10.1016/j.gene.2025.149587>.
5. Gaur, P., Polipalli, Y., Bandhu, X. et al. Suhani, C, Srijan, B, Cynthia, M, **Renuka, S**, Shrabana S, Aparna B, Unveiling the potential of bacterial keratinase with antiacne drugs for cosmeceutical applications: an in-silico evaluation. *J. Umm Al-Qura Univ. Appl. Sci.* (2025). <https://doi.org/10.1007/s43994-025-00220-x>
6. Psvv, C., Joseph, A., Ebenezer, P., Sankar, V., **Suravajhala, R.**, Rao, R. S. P., & Suravajhala, P. (2025). An introduction to non-coding RNAs. *Progress in molecular biology and translational science*, 214, 1–17. <https://doi.org/10.1016/bs.pmbts.2025.01.006>
7. Agu, Peter Chinedu, Hilary Akobi Ogwoni, Prashanth N. Suravajhala, **Renuka Suravajhala**, Onaadepe Olufunke, Onyebuchi Frederick Orinya, Ibrahim Babaginda Abubarkar, Ejike Daniel Eze, and Patrick Maduabuchi Aja. "Cucumeropsis Mannii Seed Oil Mitigates Bisphenol-A-Induced Sperm and Hormonal Damages in F1-Generation of F0-Exposed Male Rats: An in-Vivo and in- Silico Analysis." *Results in Chemistry* 10 (2024): 101750. <https://doi.org/10.1016/j.rechem.2024.101750>.
8. Shanthappa, Pallavi M., **Renuka Suravajhala**, Geetha Kumar, and Nidheesh Melethadathil. "Computational Exploration of Novel Antimicrobial Modalities Targeting Fucose-Binding Lectins and Ribosomes in Mycobacterium Smegmatis Using TRNA-Encoded Peptides." *Journal of Biomolecular Structure and Dynamics*, April 27, 2024, 1–13. <https://doi.org/10.1080/07391102.2024.2335555>.