

JAN'24- MAY'24

ISSUE NO 1

The official newsletter of Department of Biosciences  
Manipal University Jaipur

# BIOSCIENCES PATRIKA

DEPARTMENT HIGHLIGHT

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PLACEMENT HIGHLIGHTS

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STUDENT'S TESTIMONIALS





### **VISION**

- Reconnect young minds about biotechnological advances, research and nurturing them into good academicians, researchers and industrial professionals for national and global needs.

### **MISSION**

- To provide strong learning skills to students about different branches of biotechnology to make them globally competitive.
- To impart awareness among biotechnology professionals with socio-ethical responsibilities.
- To inculcate young minds with the spirit of innovation, scientific temper, and entrepreneurship skills.
- To work for the progress of the nation with good human values, education, and advancement of biotechnological know-how.

### **PROGRAM EDUCATIONAL OBJECTIVES**

- Students will have a strong foundation in the fundamental principles and methodologies of biotechnology, encompassing molecular biology, genetics, biochemistry, and microbiology.
- Students will pursue Higher Education to enhance their competency.
- Students will showcase Teamwork and leadership quality with Ethical behavior

# A NOTE FROM THE PRESIDENT

With great pleasure and immense pride, I welcome you to the Department of Biosciences at Manipal University Jaipur.

The department is dedicated to cultivating a dynamic and rigorous environment for studying life sciences. It aims to foster scientific curiosity, ethical responsibility, and a commitment to research excellence in our students. The programs offered by the department are designed to provide foundational knowledge alongside advanced, hands-on skills critical to today's biosciences.

The accomplished faculty of the department are committed to guiding students on their academic journeys, encouraging innovation, and promoting a collaborative spirit.

Let us work together toward scientific excellence, building a legacy of discovery and positive impact in the biosciences.



A handwritten signature in blue ink, appearing to read 'N N Sharma'.

Prof. N N Sharma  
President  
Manipal University Jaipur

# A NOTE FROM THE PRO-PRESIDENT

Dear Students, Faculty, and Honored Members of the Manipal University Jaipur Community,

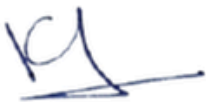
I am Dr. Karunakar A Kotegar, Pro-President of Manipal University Jaipur, and I'm very pleased to share the first issue of our Department of Biosciences Newsletter. This marks an exciting step forward for our department as we grow in Biotechnology, Microbiology, and now Food Science.

In addition to our three popular programs—BSc (Hons) in Biotechnology and Microbiology, and MSc Biotechnology—the department has introduced a new MSc in Food Science and Technology. This program aims to prepare students for the expanding field of food science with a strong mix of knowledge and hands-on experience.

Our faculty have gained global recognition for their research, published in top journals. We're also proud to share that Department of Biosciences received the prestigious DST-FIST grant of 1.5 crore rupees, which will help us enhance research and resources for students.

Our students continue to impress us, earning placements at top universities and excelling in national exams. Their achievements show the strength and quality of our programs.

Warm regards,



**Dr. Karunakar A Kotegar**  
Pro-President  
Manipal University Jaipur



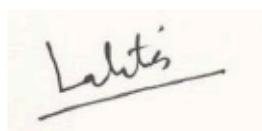
# A NOTE FROM THE DEAN



It is my pleasure to introduce the first issue of the Department of Biosciences Newsletter at Manipal University Jaipur. The Department of Biosciences runs three robust programs: B.Sc. (Hons) Biotechnology, B.Sc. (Hons) Microbiology, and M.Sc. Biotechnology, designed to nurture scientific curiosity and critical thinking among students. Our distinguished

faculty members, who are experts in diverse fields such as Bio-nanotechnology, Biophysics, Neuroscience, Bioinformatics, Plant Biotechnology, Molecular Genetics, Medical Microbiology, Environmental Biotechnology, and Functional Food, continuously guide students towards academic and research excellence.

With 11 accomplished faculty members, the department has proudly produced Scopus-indexed publications at both undergraduate and postgraduate levels, showcasing the quality of research conducted under expert supervision. The vision of the Head of the Department is one of holistic and sustainable growth, fostering opportunities not only for faculty but also for each student through research, higher education pathways, and international placements. This newsletter offers a glimpse into the vibrant growth within the department, capturing the advancements and achievements that continue to shape our community's commitment to excellence.

A handwritten signature in black ink that reads "Lalita" with a horizontal line underneath.

Warm regards,  
Dr Lalita Ledwani  
Dean, Faculty of Science  
Manipal University Jaipur

# A NOTE FROM THE DEPARTMENT CHAIR

Dear Friends, Colleagues, and Alumni,

I am pleased to introduce our new department newsletter 'Biosciences Patrika' at the Department of Biosciences, Manipal University Jaipur. This newsletter is more than just a publication; it is a bridge connecting us with our extended community and a testament to our shared journey in the field of biosciences.

In each issue, you will find stories of achievement, progress, and innovation from within our department. We aim to reflect the dedication and excellence of our faculty and students, providing you with meaningful updates on research advancements, faculty accomplishments, and significant department events.



**DR. SANDEEP K. SRIVASTAVA**  
Associate Professor (Senior) & Head,  
Department of Biosciences

This is a space to celebrate our collective efforts and keep you informed about the exciting developments that shape our academic environment.

We look forward to sharing our progress and celebrating our milestones with you.

Thank you for being an integral part of our journey.

Warm regards,

Sandeep



NEWSLETTER

# EDITORIAL BOARD



**Dr Vinay Mehra**

Assistant Professor, Dept of Biosciences

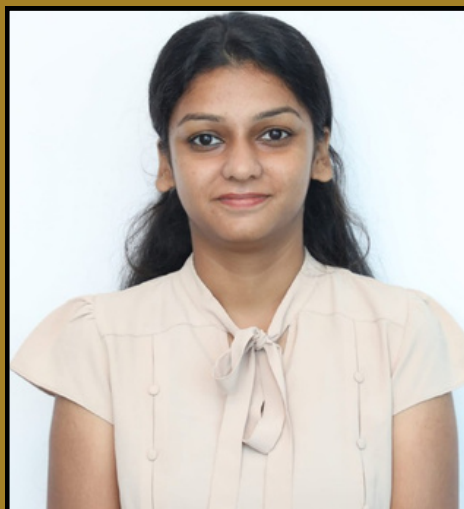


**Dr Mousumi Debnath**

Associate Professor ( Senior scale), Dept of  
Biosciences

**Vanisha Sharma**

MSc Biotechnology, Semester 3





# OUR FACULTIES



**Dr Lalita Ledwani**

Professor & Dean, School of Basic Science



**Dr Sandeep K Srivastava**

Associate Professor (Senior Scale) & Head



**Dr Abhijeet Singh**

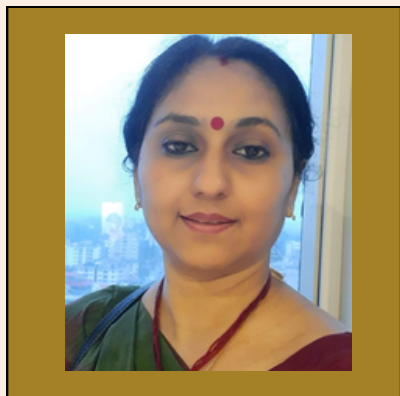
Professor, Molecular Biology



**Dr Madan Mohan Sharma**

Professor, Plant Biotechnology

# OUR FACULTIES



***Dr Mousumi Debnath***  
**Associate Professor**  
**(Senior Scale)**  
(Environmental Biotechnology)



***Dr Monica Sogani***  
**Associate Professor**  
**(Senior Scale)**  
(Environmental Biotechnology)



***Dr Nitesh Kumar Poddar***  
**Associate Professor**  
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***Dr Rohit Jain***  
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( Animal Biotechnology )



***Dr. Rajeev Nema***  
**Assistant Professor**  
( Cancer Biology )



***Dr. Shatrunjai Giri***  
**Assistant Professor**  
( Neuroscience )



***Dr.Sanjeet Mehariya***  
**Assistant Professor**  
(Industrial Biotechnology)

# DEPARTMENT OF BIOSCIENCES



The Department of Biosciences, founded in 2012, adopts a holistic approach to higher education, research, and development across various fields of Life Sciences. It aims to offer a strong foundation in biosciences by integrating research and teaching with a focus on innovation and interdisciplinary study.

## **Programs and Structure**

The department offers undergraduate (BSc) and postgraduate (MSc) programs in Biotechnology, along with specialized BSc (Hons) programs in Biotechnology and Microbiology. It follows the Choice Based Credit System (CBCS), approved by the UGC, providing students with various Discipline Specific Courses, Skill Enhancement courses, and Programme Elective Courses.

The postgraduate course (MSc Biotechnology) is specially designed to prepare students for advanced research and development. In addition, the department offers a PhD program across different fields of biological sciences, ensuring a comprehensive education that caters to the demands of both academia and industry.

## **Research and Industry Collaboration**

With a focus on biotechnology, biopharmaceutical, agriculture, and microbiology-based industries, the department equips students with the skills necessary to meet industry and academic demands. Through various research projects, students gain hands-on experience, enhancing their ability to pursue independent research.

To bolster research opportunities, the department has established MoUs with universities, industries, and research institutes. It has also secured external funding through research grants from agencies like DST-FIST, DST-PURSE, DST-SERB New Delhi, ICMR New Delhi, DBT New Delhi, ROCL Rajasthan, DST-Imprint, NMPB New Delhi, and DST-Rajasthan.

## **Focus on Skill Development and Employability**

The department's programs are thoughtfully designed with interdisciplinary, value-added courses that emphasize Employability, Entrepreneurship, and Skill Development. This approach ensures that graduates are well-prepared to excel in their chosen fields, contributing to both research and industry.

# WORKSHOPS, CONFERENCES & SEMINARS

The Department of Biosciences showcases the most significant and memorable events from our department. From successful conferences and groundbreaking research projects to notable guest lectures and community engagement initiatives, explore the vibrant life of our department.



## **RAMSACT CONFERENCE '24** **APRIL,4TH - APRIL ,6TH**

4th international Conference on Recent Advancements in Materials Science and Computational Techniques'(RAMSACT-4) 6aplatform with the goal of bringing together prominent academic scientists, researchers, and fesearch scholars to exchange and share their experiences and research fndings on all aspects of Multifunctional Materials and Comoutational Techniques. It also provides a premier interdisaplinary platton 1or researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered, and solutions adopted in the fields aligned with the conference theme RAMSACT aims to provide an aproppriate forum, where high quality and exceptional knowledge exchange can take place among students, academics, andindustry researchers.



## NATIONAL CONFERENCE : ECOVISUN 2024 (SUPPORTED BY DST PURSE) MARCH 05-06, 2024

EcoViSun 2024 (Ecological, Viability & Sustainability Advancing Sustainability, Promoting Innovation, Realizing Equity - ASPIRE), held on March 05-06, 2024, provided a platform for prominent academic scientists, researchers, and scholars to exchange and share their experiences and research findings on all aspects of ecological viability and sustainability. Supported by DST-PURSE, Govt. of India, and jointly organized by the Department of Chemistry, Department of Biosciences, Department of Biotechnology, and the Department of Chemical Engineering at Manipal University Jaipur, Rajasthan, India, the symposium offered an interdisciplinary forum for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, concerns, practical challenges, and solutions in fields related to the symposium's theme. EcoViSun 2024 aimed to foster high-quality knowledge exchange among students, academics, and industry researchers.



## NATIONAL SCIENCE DAY'24

### FEBRUARY 28, 2024

The Faculty of Science at Manipal University Jaipur celebrated National Science Day on February 28, 2024, under the theme "Indigenous Technologies for Viksit Bharat." The event was graced by our esteemed chief guest Professor N. Sathyamurthy, Founder Director and INSA Distinguished Professor at IISER Mohali, and guest of honour Smt. Kanika Batra, Director and Head of the Bureau of Indian Standards, Rajasthan. The celebration featured captivating events such as movie making, science model exhibitions, quizzes, Rangoli making, and more. This day was dedicated to exploring the realm of innovation and progress, inspiring indigenous technologies, and shaping a brighter tomorrow for Bharat.



## CAREER COUNSELLING SESSION IN BIOTECHNOLOGY AND MICROBIOLOGY

The Department of Biosciences organized a comprehensive career counselling session in the field of Biotechnology and Microbiology on June 20, 2024, from 3:00 PM to 4:00 PM. This session aimed to guide students and researchers in exploring the diverse opportunities available in the biosciences. Attendees had the chance to engage with experts and our alumni, gain valuable insights into various career paths, and discuss the latest trends and developments in these dynamic fields. This initiative was designed to empower participants with the knowledge and resources needed to navigate and excel in their professional journeys.

**DST-FIST Supported Department of Biosciences  
School of Basic Sciences, Faculty of Science**

**&  
Biotech Club of Manipal University Jaipur**  
*in collaboration with*  
**Directorate of Admission**

*is organizing*

## Career Counselling Session-2024

**BSc (Hons) | Biotechnology | Microbiology  
MSc | Biotechnology**

**📅 June 20, 2024 ⌚ 03:00 pm - 04:00 pm**

### *Guest Speakers*



**Prof. Anjana Sharma**  
Former - Rector/Pro-Vice Chancellor  
JNU, Jaipur



**Dr. Ramya R Prabhu**  
Assistant Professor  
Department of Biotechnology  
Government Arts College, Trivandrum

### **Alumni**



Anshulika



Priyasha



Divya



Sylvia



Saloni Singh



Rahul



Anvarshu Gopal



Suhani Pareek



**Microsoft Team**  
<https://shorturl.at/HwaqR>

Meeting ID: 329 688 883 090  
Passcode: ACVvWk



+91-9414607377, +91-8650420308



[niteshkumar.poddar@jaipur.manipal.edu](mailto:niteshkumar.poddar@jaipur.manipal.edu)

**Scan for Registration**



<https://forms.gle/KgGaYfQwgavWFAsYA>

# RESEARCH SPOTLIGHT

- **Sharallah, O. A., Poddar, N. K., & Alwadan, O. A. (2024).** Delineation of the role of G6PD in Alzheimer's disease and potential enhancement through microfluidic and nanoparticle approaches. *Ageing Research Reviews*, 99, 102394. DOI: 10.1016/j.arr.2024.102394



- **Pethe, A., Joshi, S., Dar, T. A., & Poddar, N. K. (2024).** Revisiting the role of phospholipases in Alzheimer's: Crosstalk with processed food. *Critical Reviews in Food Science and Nutrition*. DOI: 10.1080/10408398.2024.2377290



# RESEARCH SPOTLIGHT

- Dongre, A., Kothari, S., Shami, A., Alsaad, M., Khan, S. U. D., Razis, A. F. A., Khan, S., & Poddar, N. K. (2024). Development of microbial desalination cells for the treatment of reverse osmosis reject water: A new benchtop approach. *Environmental Technology & Innovation*, 35, 103664. DOI: 10.1016/j.eti.2024.103664



- Pethe, A., & Debnath, M. (2024). Wastewater treatment using moving bed biofilm reactor technology: A case study of ceramic industry. *Water Environment Research*, 96(4), e11026. DOI: 10.1002/wer.11026



# RESEARCH SPOTLIGHT

- **Rajvanshi, J., Sogani, M., Tziouvaras, G., Kumar, A., Syed, Z., Sonu, K., Gupta, N. S., & Sen, H. (2024).** An analytical review on revamping plastic waste management: exploring recycling, biodegradation, and the growing role of biobased plastics. *Environmental Science and Pollution Research*. DOI: 10.1007/s11356-023-28942-6

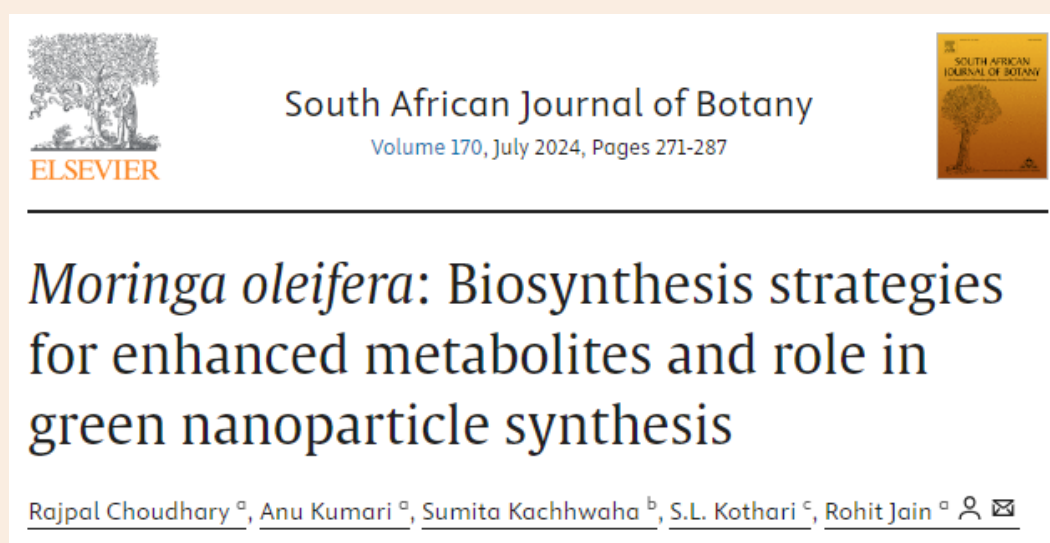


- **Sen, H., Sogani, M., Rajvanshi, J., & Das, S. (2023).** Current Approaches to Agricultural Waste Transformation into Bioelectrodes and Hybrid Electrodes: A Review. *NanoWorld Journal*, 9(S5), S254-S261. DOI: 10.17756/nwj.2023.264

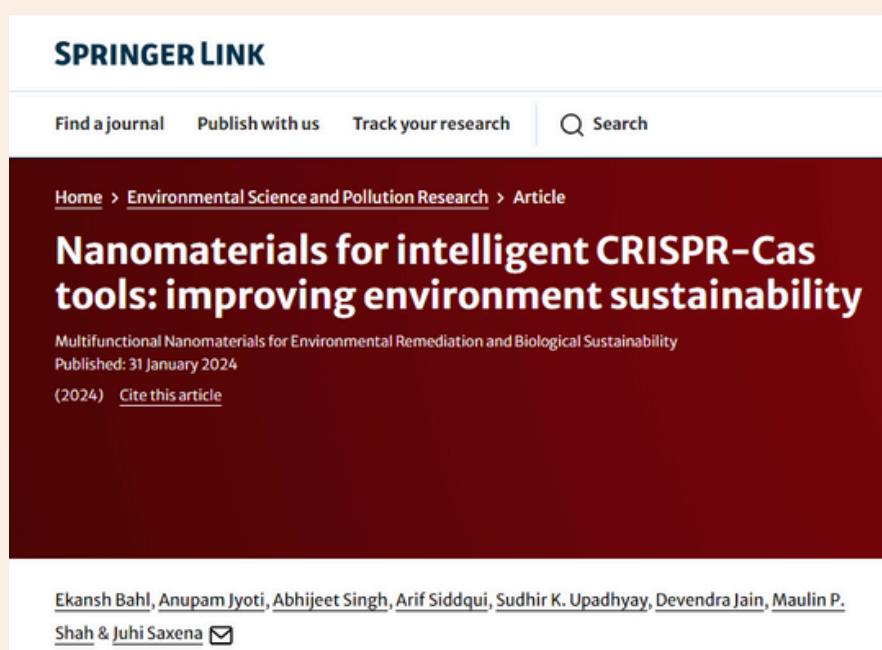


# RESEARCH SPOTLIGHT

- **Choudhary, R., Kumari, A., Kothari, S. L., Kachhwaha, S., & Jain, R. (2024).** *Moringa oleifera*: Biosynthesis strategies for enhanced metabolites and role in green nanoparticle synthesis. *South African Journal of Botany*. (IF 2.7, Scopus Q1)



- **Bahl, E., Jyoti, A., Singh, A., Siddiqui, A., Upadhyay, S. K., Jain, D., Shah, M. P., & Saxena, J. (2024).** Nanomaterials for intelligent CRISPR-Cas tools: improving environment sustainability. *Environmental Science and Pollution Research*. DOI: 10.1007/s11356-024-28987-9



# RESEARCH SPOTLIGHT

- **Kumari, S., Debnath, M., Joshi, S., & Sonawane, S. H. (2024).** Isolation, screening, characterization, and optimization of biosurfactant-producing bacteria for removal of micropollutants from textile effluents. *Industrial & Engineering Chemistry Research*, 63(30), 13189-13207. DOI: 10.1021/acs.iecr.4c02507

*Industrial & Engineering Chemistry Research* > Vol 63/Issue 30 > Article

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MATERIALS AND INTERFACES | July 16, 2024

## Isolation, Screening, Characterization, and Optimization of Biosurfactant-Producing Bacteria for Removal of Micropollutants from Textile Effluents

Sapna Kumari, Mousumi Debnath\*, Siddhi Joshi, and Shirish H. Sonawane

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### Abstract

Biosurfactants are ecofriendly substitutes for chemical surfactants. In this study, biosurfactant-producing bacterial strains were isolated from soil and water samples from textile industry sites. Extracted biosurfactants could reduce the surface tension values from 72 to 39.3 mN/m demonstrating that the biosurfactants achieved the critical micelle concentration. Stable emulsifications with diesel and vegetable oil showed an emulsification index ranging from 61.76% to 76.47%. The presence of both rhamnolipid and surfactin types of biosurfactants was confirmed from our isolates using FTIR, LC-MS/MS, and GC-MS/MS analyses. These biosurfactant-producing bacteria act on dyes and heavy metals present in textile wastewater and reduce their concentrations by either degradation or biosorption. After the reaction with biosurfactant-producing bacterial isolates, FTIR

- **Sisodiya, S., Gautam, S., Aneja, D., & Debnath, M. (2024).** Exploring the usage of Olive leaf and green synthesized Olive leaf metallic nanoparticles as soap supplement for the formulation and optimization of innovative germicidal herbal soap. *Industrial Crops and Products*, 219, 119012. DOI: 10.1016/j.indcrop.2024.119012

# RESEARCH SPOTLIGHT



Industrial Crops and Products

Volume 219, 1 November 2024, 119012



## Exploring the usage of Olive leaf and green synthesized Olive leaf metallic nanoparticles as soap supplement for the formulation and optimization of innovative germicidal herbal soap

Smita Sisodiya<sup>a</sup>, Shantam Gautam<sup>b</sup>, Dikshita Aneja<sup>a</sup>, Mousumi Debnath<sup>a</sup>  

- **Tomar, I., Kumari, S., Joshi, S., & Debnath, M. (2024).** Harnessing the potential of bacterial consortia and biosurfactants for bioremediation of textile effluent and contaminated soil. *Industrial & Engineering Chemistry Research*, 63(33). DOI: 10.1021/acs.iecr.4c03009



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GENERAL RESEARCH | August 6, 2024

## Harnessing the Potential of Bacterial Consortia and Biosurfactants for Bioremediation of Textile Effluent and Contaminated Soil

Indu Tomar, Sapna Kumari, Siddhi Joshi, and Mousumi Debnath\*

# FACULTY ACHIEVEMENTS

The Department of Biosciences, established in 2011, offers three major programs: BSc (Hons) Biotechnology, BSc (Hons) Microbiology, and MSc Biotechnology. The department is supported by a DST-FIST grant of ₹1.5 crore and comprises 12 experienced faculty members specializing in diverse areas of biotechnology, fostering a strong academic and research environment.

## Key Collaborations and Projects

- **MoU with SKN Agricultural University:** Nodal Officer – Dr. Rohit Jain
- **DST PURSE Grant:** ₹10 crore (Principal Investigators: Dr. Lalita Ledwani, Dr. Abhishek Sharma, Dr. Rohit Jain)
- **Industry Project Grant with Inch Enviro Pvt. Ltd.:** ₹25 lakh (Principal Investigator: Dr. Abhishek Sharma, Co-Principal Investigator: Dr. Rohit Jain)

## Research Highlights and Patents

1. **Patent Application:** Sogani M., Khan A.H.Y., Sengupta N. (2021). "A Novel Process of Arsenic Remediation from Drinking Water using Arsenic-Tolerant *R. Palustris* MDOC1". (India Patent Application No. 202411024390 A). Filed with the Indian Patent Office, Kolkata. Expected Grant Date: May 10, 2024.
2. **Design IPR (Granted):** "Hydrodynamic Cavitation Integrated Ceramic Membrane-Based Wastewater Treatment" (Design No.: 385980-001). Application Date: May 11, 2023, Granted on June 26, 2024. Collaborators: NIT Warangal, Prof. Shirish Hari Sonawane, Dr. S. Murali Mohan, Dr. Mousumi Debnath, and others.
3. **Polyherbal Formulation Patent (Granted):** "Polyherbal Formulation Against Single-Stranded RNA Viral Diseases" (Patent No. 460901). Filed by BIOSOLVE Innovations Private Limited. Inventors: Dr. Mousumi Debnath, Libin KV, Mukesh Agarwal. Application Date: December 5, 2020, Grant Date: October 19, 2023.

# FACULTY ACHIEVEMENTS

## Departmental Achievements

- **AIC-Incubated Faculty Startup:** Supporting innovative faculty ventures.
- **MRB Project:** Evaluation of Oleanolic Acid and its derivatives from natural and synthetic sources as anti-cancer agents, including the development of nanoformulations for efficient therapeutics (₹8 lakh, PI: Dr. Mousumi Debnath).
- **Invited Talk (Dr. Abhijeet Singh):** International Conference on Nano-Structured Materials and Nanocomposites (ICN-2024). Title: "PLGA Nanoparticles: A Tool for Drug Delivery Across the Blood-Brain Barrier."
- **MRB Seed Grant (₹5.4 lakh):** "Development of Microbial-Based Polymeric Composite Adsorbents for Efficient Removal of Arsenic from Drinking Water" (PI: Dr. Monika Sogani).
- **DST Project Grant (₹80 lakh):** "Providing Low-Cost Solutions and a Management Framework for Reject Disposal from Community-Based RO Plants in Rajasthan" (PI: Dr. Monika Sogani).



# STUDENT'S ACHIEVEMENTS

We are proud to announce the successful placements of our students in prestigious programs and institutions across the globe. Here are some of the notable achievements:



- **Priyasha Paul, B.Sc. (H) Biotechnology**  
Selected for Genomics, Informatics and Mathematics for Health and Environment master, Paris Saclay University, France

- **Anshulika Saxena, B.Sc. (H) Biotechnology**  
Selected for Master's in Life Science Informatics at the University of Bonn.



- **Vani Bali, B.Sc. (H) Biotechnology**  
Selected for Master's Program, Institute of Molecular, Cell and Systems Biology, Glasgow University, Glasgow.

- **Suhani Pareek, B.Sc. (H) Biotechnology**  
Selected for Master's Program, University of Western Australia



# STUDENT'S ACHIEVEMENTS

- **Anushka Singh, B.Sc. (H) Biotechnology**

Selected for Master's in School of Life Sciences,  
Jawaharlal National University, New Delhi



- **Rahul Shrivastava, B.Sc. (H) Biotechnology**

Selected for Master's in Dept. of Biotechnology,  
Central University South Bihar, Gaya



- **Manish Raj, B.Sc. (H) Microbiology**

Selected for Master's in Dept. of Ecology &  
Environmental Sciences, Pondicherry University



- **Anvarshu Gopal, B.Sc. (H) Biotechnology**

Selected for Erasmus Mundus Joint Master Degree  
(EMJMD) program.

# STUDENT'S ACHIEVEMENTS

- **Anshi Agarwal, B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences by Research in Therapeutics course at MCBR, Manipal.
- **Archita Vyas, B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences at VIT, Vellore.
- **Harshita Shivilal, B.Sc. (H) Microbiology**  
Selected for Master's in Sciences in Food Processing and Food Technology at Lucknow University, Lucknow.
- **Ishita Jha, B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences by Research in Therapeutics course at MCBR, Manipal.
- **Jay Bharti, B.Sc. (H) Biotechnology**  
Selected for Master's in Hospital Administration at MCBR, Manipal.
- **Jyotirmayee Paramanya, B.Sc. (H) Biotechnology**  
Selected for admission to M.Sc. Biomedical Genetics Programme at VIT, Vellore.
- **Muskan Yadav, B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences in Biotechnology at St Xaviers College, Jaipur.
- **Nandini Tungariya, B.Sc. (H) Microbiology**  
Selected for Master's in Sciences in Microbiology at MIT, Pune.
- **Pratistha Singh, B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences at University of Glasgow, Glasgow.
- **Rishi Seth, B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences in synthetic biology at University of Western Australia, Crawley.
- **Samrat Banerjee, B.Sc. (H) Microbiology**  
Selected for Master's in Sciences by Research in Therapeutics course at MCBR, Manipal.
- **Shaurya Singh B.Sc. (H) Biotechnology**  
Selected for Master's in Sciences in Biotechnology at Macquarie University, Australia
- **Sunidhi B.Sc. (H) Biotechnology**  
Selected for Master of Engineering Program in Biomedical Engineering at the Pratt School of Engineering at Duke University.
- **Sylvia Praveen, B.Sc. (H) Microbiology**  
Selected for Master's in Sciences in Molecular and Human Genetics at Banaras Hindu University, Varanasi.

# STUDENT TESTIMONIAL

Having graduated with a Bachelor of Science (Hons.) in Biotechnology from Manipal University Jaipur, I am proud to share my enriching experience. The comprehensive curriculum and excellent faculty provided a solid foundation, while the innovative campus environment allowed me to engage in hands-on research and develop leadership skills.

Building on this foundation, I am thrilled to have been selected for the Erasmus Mundus Joint Master Degree in Biological and Chemical Engineering for a Sustainable Bioeconomy (BIOCEB). This prestigious program, spanning multiple countries in Europe, begins with a semester in France, and I am eager to embark on this new journey as an Erasmus student.



**Anvarshu Gopal**  
**B.Sc. (H) Biotechnology**

I am deeply thankful to the faculty of the Department of Biosciences and my friends for their unwavering support. These three years at MUJ have been instrumental in my academic and personal growth, and I cherish every moment spent here.

# STUDENT TESTIMONIAL

My journey at MUJ has been transformative, both personally and academically. The dynamic curriculum, supportive faculty, lively campus atmosphere, and numerous networking opportunities have played a pivotal role in shaping who I am today.

Serving as President of the Biotech Club honed my leadership skills, while my involvement in the Rotaract Club broadened my perspective and allowed me to give back to the community. These experiences taught me the importance of responsibility, teamwork, and communication—skills I will carry forward.



**Anshulika Saxena**  
**B.Sc. (H) Biotechnology**

Academically, MUJ provided a solid foundation in biotechnology. The faculty's guidance, mentorship, and the opportunity to engage in hands-on research projects deepened my understanding and sparked my passion for scientific inquiry.

I am thrilled to share that I have been accepted into several top public universities in Germany and will be pursuing a master's in Life Science Informatics at the University of Bonn, a prestigious program in collaboration with the Fraunhofer Institute and RWTH Aachen.

I am deeply grateful to my professors, mentors, friends, and my parents for their unwavering support. I look forward to this new chapter, carrying the lessons and memories from MUJ with me as I step into the next phase of my academic and professional life.

# OPPORTUNITIES

We are excited to announce several open positions within the department for those eager to advance their academic and research careers. Currently, we are offering opportunities for **Research Assistants, Internships, and PhD Programs** across various ongoing projects and specialized fields. These positions provide a unique chance to work alongside esteemed faculty members and contribute to cutting-edge research while gaining invaluable hands-on experience.

**For inquiries, please contact:**

- **Sunil Kumar**
  - **Email:** [sunil.kumar@jaipur.manipal.edu](mailto:sunil.kumar@jaipur.manipal.edu)

**For academic details:**

- **Phone:** 0141-3999100 ext. 263
- **Email:** [academic@jaipur.manipal.edu](mailto:academic@jaipur.manipal.edu), [ams@jaipur.manipal.edu](mailto:ams@jaipur.manipal.edu)

**For admissions:**

- **Phone:** 0141-3999100 ext.142, 257, 297
- **Email:** [admissions@jaipur.manipal.edu](mailto:admissions@jaipur.manipal.edu)

# CLOSING REMARKS

—BY EDITORS

As we bring this edition of our departmental newsletter to a close, we would like to express our sincere gratitude to all of our readers for your unwavering interest and support. Your continued engagement not only strengthens our academic community but also fosters a shared sense of connection and progress, keeping everyone informed about the latest research, achievements, and innovations.

We warmly encourage contributions for future editions—whether it be showcasing research breakthroughs, celebrating departmental milestones, or sharing insightful articles that spark meaningful discussions. Your ideas and feedback are invaluable in helping us make each issue more dynamic and enriching.

Once again, thank you for being an integral part of our community, and we look forward to your enthusiastic participation in the upcoming editions!