

Saurav Kumar

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Summary

An enthusiastic microbiologist passionate about understanding antibacterial mechanisms, tackling multidrug-resistant bacteria, and exploring the microbiome's influence in cancer immunotherapy. I aim to pursue a PhD to develop innovative strategies for combating antimicrobial resistance and harnessing microbiome interactions to improve immunotherapy, bridging the gap between research and clinical applications

Qualifications

Degree/Exam qualified	Year	Marks/GPA/ Percentile
Integrated M.Sc	2019-2024	7.44
Qualified for eligibility to assistant professor and admission to Ph.D (CSIR)	2024	94.3303625 (Rank- 80)
GATE	2024	32.33
Intermediate (BSEB) A.N College, Patna	2015-2017 (PCMB)	63.22%
Matriculation (CBSE) M.S Memorial Academy, Patna	2014-2015	9.8 CGPA

Dissertation work (six month) in M.Sc.:

Dissertation work on “Sustainable Nanoremediation and Antibacterial efficacy: A comparative Study of Chitin nanoparticle, Metal nanoparticle, and their nanocomposite.”

Technical Expertise

Lab Experience:

- Molecular Techniques
 - Plasmid and RNA isolation
 - Fungal and Bacterial DNA isolation
 - Sequencing and Phylogenetic analysis
 - PCR, SDS PAGE and Agarose Gel Electrophoresis
- Microbiology Techniques
 - Isolation and characterization of fungus and bacteria
 - Culture and maintenance of microbial cells
 - Pouring, streaking, Gram staining
 - Microscopy and UV-Vis spectroscopy

Other Skills: Origin, ImageJ, MS Word, MS PowerPoint, Web of Science, Adobe Photoshop, Adobe, Canva, Adobe Lightroom

Poster Presented

Details:

• Presented a poster titled **“Preparation and Characterization of sustainable Nanochitin by employing chitinous waste and Deep eutectic solvents”** in the National Symposium EcoViSun 2024 **“Advancing Sustainability, Promoting Innovation, Realizing Equity (ASPIRE)”** on **5th to 6th March 2024** supported by DST-PURSE Govt. of India, jointly organized by Department of Chemistry, Department of Biosciences, Department of Biotechnology & Chemical Engineering, Manipal University Jaipur, Rajasthan, India.

Authors: **Saurav Kumar**, Dr. Nidhi Pareek

Father's Name: **Arun Kumar**

Marital Status: **Unmarried**

Mother's Name: **Nilu Devi**

Nationality: **Indian**

Date of Birth: **28-11-2000**

Sex: **Male**

Language Proficiency: **Hindi, English**

References:

Dr. Nidhi Pareek Assistant professor Department of Microbiology School of Life Sciences Central University of Rajasthan Ajmer 305817 Email: nidhi.pareek@curaj.ac.in Mobile: 7726939129	Dr. Arvind Pratap Singh Associate professor School of Biotechnology Jawaharlal Nehru University New Delhi 110067 Email: arvindpsingh@mail.jnu.ac.in
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DECLARATION:

I hereby declare that all the information furnished above is true and correct to the best of my knowledge and behalf.

Thank you.

Date: 17.11.2024
Place: Patna, Bihar

(Saurav Kumar)