

MIZORAM UNIVERSITY
DEPARTMENT OF BOTANY
AIZAWL-796004, MIZORAM

Advertisement: Junior Research Fellow/ Project Fellow Position

Join our cutting-edge research team as a Junior Research Fellow (JRF)/ Project Assistant and contribute to an exciting DST-funded project titled "Development and Performance Evaluation of Zinc Oxide-Cellulose Nanofiber Thin Film Nanocomposite Membrane for Efficient Desalination." We are seeking highly motivated individuals with a passion for scientific exploration and a drive to make a significant impact in the field of desalination.

Responsibilities:

- Collaborate with a team of dedicated researchers to develop and optimize a novel Zinc Oxide-Cellulose Nanofiber thin film nanocomposite membrane for desalination applications.
- Conduct experimental research, perform characterization tests, and analyze data to evaluate membrane performance and efficiency.
- Assist in designing and implementing laboratory-scale desalination experiments to assess the membrane's effectiveness.
- Participate in regular project meetings, contribute to scientific discussions, and present research findings to the team.
- Contribute to the preparation of project reports, publications, and presentations.

Qualifications:

- Master's degree in Botany, Materials Science, or a related field.
- Strong theoretical and practical knowledge of membrane separation processes, nanomaterials, and nanocomposites.
- Familiarity with membrane fabrication techniques and characterization tools (e.g., SEM, TEM, AFM, etc.).
- Proficiency in experimental design, data analysis, and scientific software.

Benefits:

- Gain hands-on experience in a state-of-the-art research facility, working on a prestigious DST-Funded project.
- Collaborate with renowned experts and receive mentorship from leading researchers in the field.
- Expand your knowledge and skills through continuous learning opportunities and exposure to cutting-edge technologies.
- Salary package as per DST/Mizoram University norms.

To apply: Interested candidates are invited to submit their comprehensive CV, cover letter, and academic transcripts to the following Google Form Link: <https://forms.gle/LveczTUjtgGb4bDP9>
Shortlisted candidates will be contacted for further selection procedures.

Application deadline: [3rd July 2023 5.00 PM]

Principal Investigator
Prof. S. K. Mehta