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Research & Innovation

**ONE JUNIOR RESEARCH FELLOW**

**Rational design of broad-spectrum antifungal peptides and peptide-based enzyme mimics for neutralization of mycotoxins**

**Hyderabad | Deadline: 16/11/2026**
**Joining: At the earliest**

Date: 31 October, 2026

**Project Title**: Rational design of broad-spectrum antifungal peptides and peptide-based enzyme mimics for neutralization of mycotoxins

**Project Investigators**:
Prof. Debirupa Mitra (Chemical Engineering), Prof. Arnab Dutta (Chemical Engineering), Prof. Abhishek Saha (Chemistry)

**Key Details**:
• Duration: 24 months
• Place of work: BITS Pilani, Hyderabad Campus
• Fellowship (inclusive of HRA @30%): ₹48,100/month
• Opportunity to register for a PhD at BITS Pilani Hyderabad Campus (subject to eligibility)

**Eligibility**:
• M.E./M.Tech. in Chemical Engineering / Biotechnology or M. Pharm. or M.Sc. in Biotechnology / Biochemistry / Microbiology / Life Sciences / Medicinal Chemistry, or allied disciplines with a minimum of 60% marks (or equivalent CGPA).
• Candidate valid GATE/NET/any other National examination will be preferred
• Interest in pursuing PhD in the relevant area

**Desired skills:**
- *In Vitro* Microbiology & Enzymology (antifungal assays, cytotoxicity assays, hemolysis assays, functional assays for mycotoxin degradation e.g. quantification via HPLC/ELISA)
- Experience in handling animal models for safety, pharmacokinetics, and efficacy studies will be preferred

**Interested candidates should fill the following Google form: https://forms.gle/2HkVknX2J3LQJEBF6**

**Last day to apply**: **16 November 2026** (Tentative Online Interview Date: November 23, 2026). Shortlisted candidates will be notified via email at least 2-3 days prior to the interview.

**Prof. Debirupa Mitra**
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