



BITS Pilani

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Research & Innovation

ONE JRF Position

Project Title: “*Development of fluorimetric sensing kits using supramolecular interactions for the detection of selected Antibiotics and Biogenic polyamines*,” **Funder:** **DRDO**
| Deadline of Application: 01-01-2026 |

Date: 15th December, 2025

We are hiring! Applications are invited for **ONE** position of Junior Research Fellow (JRF) in the Department of Chemistry at BITS Pilani, KK Birla Goa Campus, Goa for a DRDO sponsored research project no. DFTM/16/3186/DIA-CoE-BU/ETM/01/M/01 (through DIA-CoE-BU).

Project Title: “*Development of fluorimetric sensing kits using supramolecular interactions for the detection of selected Antibiotics and Biogenic polyamines*” [Duration: 3 years]

Principal Investigator: Prof. Mainak Banerjee (Dept of Chemistry)

Co-Principal Investigators: Prof. Arnab Paul (Dept of CSIS)

Stakeholder DRDO Lab: DIBT, Mysore

Research areas: Chemical Synthesis, Supramolecular Chemistry, Chemosensing, Diagnostic Devices

Scope of work	Essential Qualification	Desirable Qualification
Primary role: Synthesis of chemical probes, supramolecular cavitands, fluorimetry. Other roles: Sensing kits and diagnostic device development.	M. Sc./ M.S. (or equivalent degree) with 60% aggregate (equivalent CGPA) in Organic Chemistry/General Chemistry/Materials Science/etc.	NET/GATE/GPAT (hands-on experience in chemical synthesis)

Note: The JRF will be encouraged to apply for BITS Pilani PhD program through a separate application process.

Fellowship: ₹37,000 for JRF (with NET/GATE/equivalent qualification)

or ₹30,000 for Project Associate-1 (w/o NET/GATE) with HRA (as applicable)

Application process: Please apply with a **CV and a Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) using this form

- Google form link: <https://forms.gle/aEUzoHsJRvmRwjnZA>
- Deadline: **01st January 2026**

Applicants may also send an email application to the following email address.

Preliminary shortlisting will be based on the resume (and a telephonic/audio-visual interview, if needed) within one week of the last application date. For the final interview, the candidate will be notified via email about the interview mode and the date. No TA/DA will be provided in case of a personal interview.

For more details, please contact:

Mainak Banerjee (PI)

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Email address: mainak@goa.bits-pilani.ac.in

Website: <https://universe.bits-pilani.ac.in/goa/mainak/Profile>