



# Birla Institute of Technology & Science, Pilani

Pilani Campus

Sponsored Research and Consultancy Division (SRCD)

## CALL FOR RESEARCH STAFF POSITION

Date: 11 July 2023

<b>About:</b> Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF)/ Project Associate-I in a time bound research project for a temporary period purely on contractual basis as per the following details:	
<b>Position:</b>	Junior Research Fellow (JRF)/Project Associate-I
<b>Number of Vacancy:</b>	01
<b>Project Title:</b>	2D Nanosheet Materials of Metal Chalcogenides as a Potential SERS Active Substrate for Chemical and Biochemical Sensing
<b>Funding Agency:</b>	Council Of Scientific And Industrial Research (CSIR)
<b>Principal Investigator:</b>	Dr. Surojit Pande, Department of Chemistry
<b>Project Tenure:</b>	36 Months
<b>Job Description:</b>	In this research proposal, we are proposing development of an efficient 2D materials for trace amount detection of explosives via surface enhance Raman sensing. Initially, 2D materials will be used for the detection of Raman probe molecules. After that, the same material will be undertaken for the sensing of chemical and biochemical compounds.
<b>Qualification:</b>	Integrated BS-MS./M.Sc. in Chemistry (Inorganic/Physical Chemistry background) or equivalent with minimum 55% marks and NET/NET-LS/GATE qualified. Knowledge in nanomaterial synthesis and Raman spectroscopy will be preferred. Proficiency in dealing with data analysis software e.g. Origin, Excel. Good verbal and written communication skill in English.
<b>Upper Age Limit</b>	Age not exceeding 28 years as on the date of interview. Age relaxation is allowed up to 5 year for SC/ST/PH/OBC/WOMEN candidates.
<b>Fellowship:</b>	31,000/- (initially first two years) and Rs 35,000 (afterward till the end of the project) per month
<b>Registration for PhD.:</b>	Selected candidates will be given the opportunity for a full time PhD program at BITS, Pilani as per the institute norms.

### How to Apply:

Interested and eligible candidates can apply in the Google form: <https://forms.gle/p6merNH8xxkuMxGj8>  
Shortlisted candidates will be informed for the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. Please note that only qualified and suitable candidates will be called for an interview.

**Application Deadline: 25<sup>th</sup> July 2023**

**Contact Email:** spande@pilani.bits-pilani.ac.in

