



CALL FOR RESEARCH STAFF (JRF) POSITION

Date: 01 March 2024

About: Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time bound research project sponsored by the Science & Engineering Research Board - CR (SERB, F. No. SUR/2023/001368) for a temporary period purely on contractual basis as per the following details:	
Position:	Junior Research Fellow (JRF)
Number of Vacancy:	01
Project Title:	Synthesis and Development of Efficient Single Atom Catalysts (SACs) for Energy Conversion
Funding Agency:	SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
Principal Investigator (PI):	Dr. Surojit Pande, Department of Chemistry
Project Tenure:	3 Years
Job Description:	Presently, as a primary energy source, fossil fuels are getting used enormously to fulfill the energy requirement per day globally. H ₂ can be considered as alternative fuel because of its high energy density and the ability to power fuel cells in zero-emission electric vehicles. A small nanocluster of metal nanoparticles or single atoms can increase the product selectivity and catalytic activity of water electrolysis reaction. Higher efficiency and longer stability can be attained, if we can focus for the development of single atom catalysts (SACs).
Qualification:	Integrated BS-MS./M.Sc. in Chemistry (Inorganic/Physical Chemistry background) or equivalent with minimum 60% marks and NET/NET-LS/GATE qualified. Knowledge in nanomaterial synthesis and electrochemistry will be preferred. Proficiency in dealing with data analysis software e.g. Origin, Excel. Good verbal and written communication skill in English. Desirable: GATE/NET qualified
Upper Age Limit:	Age not exceeding 30 years as of the date of the interview. Age relaxation is allowed up to 5 years for SC/ST/PH/OBC/WOMEN candidates.
Fellowship:	37,000/- (initially first two years) and 42,000 (afterward till the end of the project) per month for GATE/NET-qualified candidates . 25,000/- (initially first two years) and Rs 28,000 (afterward till the end of the project) per month for non-NET/GATE qualified candidates
Registration for PhD.:	Selected candidates may be permitted to register for the PhD program of BITS Pilani subject to fulfilling the requirements of the PhD qualification process as per the institute norms.

How to Apply:

Applications along with updated CV should be sent through mail to spande@pilani.bits-pilani.ac.in. Shortlisted candidates will be informed of the interview which will be conducted through online mode. 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 requirements of the project. Please note that only qualified and suitable candidates will be called for an interview.

Application Deadline: 18 March 2024

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

