

Advertisement

Date: 04/06/2024

Applications are invited for the post of Junior Research Fellow (JRF) (one post) in SERB sponsored project.

Project Title	Design And Development of Highly Sensitive Glucose Sensor based on 2D Transition Metal Dichalcogenides (TMDCs): Theoretical Modelling and Experimental Verification
Funding Agency	Science and Engineering Research Board-Core Research Grant (SERB-CRG), Government of India
Reference No.	CRG/2021/001506
Principal Investigator	Prof. Nandakumar Kalarikkal School of Pure and Applied Physics & International Centre for Ultrafast Studies Mahatma Gandhi University Kottayam, Kerala 686 560 Email: nkkalarikkal@mgu.ac.in
Position Overview	We are seeking a highly motivated and skilled JRF to join our cutting-edge project on developing a highly sensitive glucose sensor using 2D TMDCs. This project involves both theoretical modelling and experimental verification, with the theoretical modelling phase now complete. The focus will be on synthesizing nanomaterials and their application in sensing technologies.
Project Duration	9 months
Post	Junior Research Fellow (JRF)
Fellowship	Rs.31,000+HRA
Essential Qualification	M.Sc. in Physics / Nanoscience & Nanotechnology or M. Tech in Nanoscience and Nanotechnology/Polymer Technology. Candidates must have at least a 7/10 CGPA or 60% marks in aggregate from a recognized institute.
Desirable Qualification	Candidates with hands-on experience with various synthesis techniques for nanomaterials, familiarity with characterization tools such as SEM, TEM, XRD, and Raman spectroscopy, and previous research experience in the field of sensors or related areas are desirable.
Preference	<ul style="list-style-type: none">• NET/GATE qualified candidates• Experience in the synthesis of nanomaterials
How to apply	Interested candidates should send their CV and cover letter detailing their experience and interest in the project to serbcrgmgu2021@gmail.com by 15 June 2024

Selection Procedure:

After screening, shortlisted candidates will be invited for a technical interview. The decision of the interview panel members will be final.