

**Advertisement for Project Associate (JRF) in SERB sponsored Project**

Applications are invited for one Junior Research Fellow (JRF) for the Science and Engineering Research Board (SERB), Govt. of India. funded research project (Ref. IITM/SERB/SSR/215). the details are as following:

**Title of the Research Project:** “Efficient Removal of Most Penetrating Particles (diameter~ 300 nm) from Air/Water Using Supersonically-blown Ultrafine PVDF Nanofibers”.

**Principal Investigator:**

Dr. Sumit Sinha Ray  
Assistant Professor  
School of Engineering  
IIT Mandi, Kamand  
Mandi-175005 (H.P.), India

**Position:** 01 (JRF)

**Salary Consolidated:** 25,000/- INR p.m.

**Essential Qualification:** M.E./M.Tech in Mechanical (Thermo-Fluid) or M.E./M.Tech in Materials (Nanomaterials/Polymer) or B.E/B.Tech in Mechanical Engineering with 65% Aggregate or 7 CGPA with valid GATE score.

**Desirable Qualification:**

- Knowledge of ANSYS-Fluent.
- Knowledge of MATLAB programming
- Hands-on experience with instrumentation and characterization techniques like SEM, XRD, UV-vis, TEM etc.

**Age Limit:** The upper age limit is 28 years.

**Main Responsibilities:**

- Development of experimental facility and computational model for air and water filtration unit.
- Assistance in purchasing laboratory equipment and their maintenance.
- Detailed regular documentation of the project.

The nature of the post is purely temporary (on contract basis). The initial appointment will be for a period of 6 months, and can be extend further subject to the performance of the candidate.

**\*JRF may get PhD admission in fulfilling admission criteria of IIT Mandi**

**How to apply:** Interested and eligible candidates may apply with an updated bio-data (in DOC or PDF file) mentioning personal details and academic qualifications with the file name “SERB IITM\_first name\_last name” and email to the ID [sumitsinha@iitmandi.ac.in](mailto:sumitsinha@iitmandi.ac.in) (subject line should be ‘Application for the Post of JRF in SERB funded project’). The candidate should clearly mention details about GATE qualification (Year, rank etc.), in the bio-data.

**Application deadline:** May, 10<sup>th</sup>, 2019 (Friday).

**Intimation about the date of interview will be communicated by e-mail. No TA/DA will be paid for attending the interview.** For further information, contact to PI: [sumitsinha@iitmandi.ac.in](mailto:sumitsinha@iitmandi.ac.in),