

**BISWAJIT SAHA, PhD**

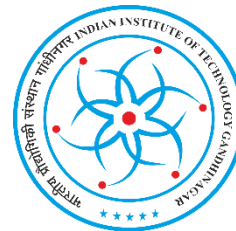
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<https://smartmaterialslab.wixsite.com/smartmaterials>**JUNIOR RESEARCH FELLOW (JRF) IN “DEVELOPMENT OF NOVEL ADSORBENT AND PROTOTYPING OF POWERLESS WATER FILTER”**

Indian Institute of Technology Gandhinagar (IITGN) invites applications for a Junior Research Fellow (JRF) position in the area of water filtration for a research project funded by National Mission on Himalayan Studies (NMHS).

**Job Description:**

This position is for the candidate who is willing to work on the development of water filters for the purification of impurities present in water. The selected candidate need to work on synthesizing and analyzing advanced/nanomaterials, designing the water filter, and performance evaluation.

The candidate will frequently use various analytical instruments, such as AFM, SEM, TEM, XRD, Raman spectroscopy, FTIR, DMA, etc. Ultimately, the candidate will demonstrate the performance of filtering material in the field trial. Also, he needs to coordinate with the Co-PI and other researchers for successful completion of project objectives. In addition to performing research responsibilities, the candidate will work on laboratory development, project documentation & presentation, etc.

**Eligibility:** MTech/Master's degree in Chemical Engineering or Material Science or Mechanical Engineering or allied branch from a reputed institute with a minimum CGPA of 6.5/10 (or 60% aggregate). OR, Master's degree (M.Sc.) in Science from allied branches with minimum CGPA of 6.5/10.0 (or 60% aggregate) and NET qualification. Essential qualification/experience will be as per the funding agency's norms.

**Duration:** Initial appointment is for 1 year (extendable based on performance and/or funding availability)

**Remuneration:** Rs 31000.00 per month

**Application procedure:**

**Step 1** (Mandatory): Fill the google form: <https://forms.gle/tNtXYwy6ByTRXBHw8>

**Step 2** (Mandatory): Send your applications via email to Prof. Biswajit Saha ([bsaha@iitgn.ac.in](mailto:bsaha@iitgn.ac.in)).

The following documents must be sent as a single pdf attachment to the above-mentioned email:

1. Updated CV
2. List of all publication
3. One-page summary of previous research work
4. A short note explaining the reason for taking up this JRF position
5. Name, address, contact number and email id of three potential referees

**Last date for application:** Two weeks from the date of this advertisement

Queries may be directed to Prof. Biswajit Saha