



Indian Institute of Science
भारतीय विज्ञान संस्थान
CV Raman Rd, Bengaluru, Karnataka 560012

Advertisement for Junior Research Fellow (JRF)/Project Associate-I position in The Ram Lab - Advanced Sustainable Functional Materials Group (<https://sites.google.com/view/theramlab/>)

Job Summary: The JRF/Project Associate-I is expected to design and conduct research experiments, analyze the data, write reports and manuscripts, and present as required. To follow and maintain lab safety protocols and train new members. The JRF/Project Associate-I may be engaged in any research areas listed on the group website, including preparing polymer composite materials for energy harvesting, storage, or energy-saving applications. The day-to-day work includes synthesizing and processing nanomaterials, fabricating polymer composite materials and their devices, material characterization and analysis, device testing, and optimization.

No. of positions: One (01)

Deadline to apply: Open until filled.

Required Qualifications: Applicants should have a background in chemistry, polymer science and engineering, molecular engineering, nanoscience and nanotechnology, chemical engineering, or material engineering. The applicant should have obtained an equivalent degree to B.Tech/M.Sc/M.Tech and have cleared CSIR-UGC NET, including lectureship (assistant professorship), GATE, or an equivalent national exam.

Required Experience and Skills: Past research experience in nanomaterials synthesis, polymer processing, device fabrication, and testing. Adequate knowledge and hands-on experience in XRD, SEM, FTIR, TGA, DSC, DMA, and Tensile testing machines are desired. Knowledge of MATLAB, COMSOL, and graphic design software like Blender is advantageous.

Benefits and Salary: Salary as per IISc norms. JRF salary ~ 37,000 + HRA for candidates with qualified national exams mentioned above. Project Associate-I salary ~25,000 + HRA if a candidate has not cleared any of the above national exams. Training and mentoring to achieve career goals. The possibility of JRF to PhD conversion upon fulfilling the IISc admission criterion. An excellent research environment in one of the premier institutes of India.

A candidate should be able to work for one year. This is a full-time job, and the initial appointment will be for three months, which can be extended to one year based on mutual understanding and satisfactory performance. The selected candidate is expected to start on October 01, 2024.

Interested candidates, send your detailed CV to PI Dr. Farsa Ram at ramf@iisc.ac.in. The subject line of your email should be "Application for JRF" or "Application for Project Associate-I," as applicable. At a later stage, the applicants will be asked to arrange two reference letters.