

Advertisement for the post of SRF (Senior Research Fellow) and SPA (Senior Project Associate) in DST Sponsored Project

Applications are invited for a time bound Project Appointment under the following project.

Title of the Project	DST-IITH Integrated Clean Energy Material Acceleration Platform (IC-MAP) on Bioenergy and Hydrogen	
Funding Agency	DST (Department of Science and Technology)	
Duration of the position	3 year (To be renewed every year for upto 3 years subject to performance and fund availability)	
PI	Dr. Sayak Banerjee	sayakb@mae.iith.ac.in
Department	Mechanical and Aerospace Engineering	
Post	Fellowship	Qualification
Senior Research Fellow (SRF) - Design and Operation of 2-Stage Biomass-to-Hydrogen Gasifier reactor. - No. of Posts 1 - Convertible to PhD subject to performance and fund availability -immediate hiring after selection	Rs. 35,000 per month (Hostel facility subject to availability. Otherwise HRA will be provided)	Minimum Qualification: - B.Tech/B.E. (1 st Class) in Mechanical, Chemical or Thermal/Power Plant Engg. - M.Tech/M.E. (1 st Class) in Mechanical, Chemical or Thermal/Power Plant Engg. -Minimum 2 years of research experience post M. Tech Desired Qualification: Experimental Research Experience in the field of Gasification, Combustion, Fuels or Thermo-Chemical Applications
Senior Project Associate (SPA) - High Fidelity CFD Modelling and ML based Optimization of 2-Stage Biomass-to-Hydrogen Gasifier Reactor - Overall management of the project - No. of Posts 1 -immediate hiring after selection	Rs. 42,000 per month (Accommodation subject to availability, otherwise HRA will be provided)	Minimum Qualification: - B.Tech/B.E. (1 st Class) in Mechanical, Chemical or Thermal/Power Plant Engg. - M.Tech/M.E. (1 st Class) in Mechanical, Chemical or Thermal/Power Plant Engg. - PhD in Mechanical, Chemical or Thermal/Power Plant Engg. Desired Qualification: -Expertise in Computational Fluid Dynamics and Heat Transfer and Modelling of Reactive Systems -Familiarity with the ANSYS-FLUENT or other similar CFD software platforms.

Application Process

Eligible applicants should fill up the google form (<https://forms.gle/oYvXxUsy3wevjsEH7>) on or **before 27th May 2022**. Documents to be **uploaded in the google form** are

1. Latest CV, Age Proof and ID (Candidates must be Indian citizens)
2. Scanned/Digital copy of degree certificate and grade sheet/transcripts
3. SRF Candidates: 2 page abstract on their M. Tech project and post-M.Tech research experience certificate
4. SPA Candidates: 2 page abstract on their PhD research project

Letters of recommendation:

SPA candidates are strongly encouraged to submit Letter of Recommendation from their PhD supervisors. Please instruct your thesis guide to directly send their LOR to sayakb@mae.iith.ac.in. SRF candidates are also encouraged to send Letter of Recommendation from their M.Tech and/or post-M.Tech research lead.

Selection

- Candidates will be shortlisted by the PI and the selection committee based on eligibility and fit with respect to the advertised position.
- Shortlisted candidates will be called for an online interview. Shortlisted candidates will be intimated about interview date and time by email.
- Candidates with prior relevant experience will be given preference.
- Joining will be immediate after selection.
- The position may be kept open if no suitable candidate is found.

Sayak Banerjee

Dr. Sayak Banerjee
Asst. Professor
MAE Dept., IITH