भारतीय प्रौद्योगिकी संस्थान तिरुपति
INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
CENTRE FOR
SPONSORED RESEARCH AND CONSULTANCY
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P – 517619

No: Advt/ IITT/CSRC/2024-25/28 **Date: 24-10-2024**

Applications are invited from eligible Indian nationals for the Project Associate/Senior Project Associate post in a time-bound sponsored project undertaken in the Department of Chemical Engineering.

Temporary Position **Essential Qualification**	Project Associate/Senior Project Associate – 1 Bachelor/Master's degree in Chemical engineering /Materials science and engineering Or Master's degree in Chemistry
Project Title	Preparation of Functionalized Metal Organic Frameworks for development of Mixed Matrix Hollow Fiber Membranes for Fuel Tank Inerting
Sponsoring Agency	Defence Research and Development Organisation (DRDO)
Consolidated monthly Salary	Rs. 37,000-42,000 per month + HRA
Principal Investigator	Prof. Sasidhar Gumma
Department/Centre	Chemical Engineering
Tenure of Assignment	6 months and will be renewed maximum up to 2 years based on the performance
Desired Experience	• Exposure to experimental research on materials synthesis (especially MOF's) is preferred. • Exposure to experimental studies on gas separations is preferred • Must be willing to work on developing the MOFs for gas separation for fuel tank inerting • Must be willing to work efficiently in a team environment, self-motivated, and work under a variety of challenging research conditions • Must have good oral and written communication skills • Must demonstrate the highest work ethics.
Nature of the Work	• Synthesis and evaluation of MOFs containing various functionalized ligands to • Improve O_2/N_2 selectivity and permeability activity for MOF@HF • Correlate performance with particle size, large pore apertures (bulky ligands) and cus metal sites, metal sites by synthesis of (nearly) isostructural MOFs with different metal centers
Age Limit	Age limit- Not more than 35 years (Relaxed for exceptional candidates)
Last date application	**08th November** 2024 (5:00 PM By email) csrc_recruitment@iittp.ac.in and to Prof. Sasidhar Gumma (s.gumma@iittp.ac.in).
Application Link	https://forms.gle/L1nQPXvQxtoaQg9z9

Eligible candidates must send a **detailed CV (maximum 2 pages)** specifying their qualifications and experience **and a brief statement of purpose (Why are you interested, and what makes you qualified?)**

The statement of purpose must include responses to the following questions:

1. What motivates you towards pursuing the Project Associate/Senior Project Associate position? (max. 200 words)
2. Describe your research interests in the advertised area. (max. 300 words)
3. Explain, how your prior research experience will be suitable for this project. (maybe explained using schematics, figures, flowcharts, and relevant references). (max. 500 words).

The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview**. The interview and other logistics will be conducted via hybrid mode.** The interview date will be notified to the shortlisted candidates by Email. The candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.

Note: No TA/DA shall be paid to candidates appearing for an interview online or offline. Selected candidates will need to join their duty within two weeks of acceptance of the offer.

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