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/25-26/01 **Date: 09-04-2025**

Applications are invited from eligible Indian nationals for one Junior Research Fellow posts in a sponsored project undertaken in the Department of Chemistry.

Position	Junior Research Fellow
Essential Qualification	M.Sc in Inorganic Chemistry/General Chemistry/Organic Chemistry with minimum of 60% marks. Candidates with GATE, CSIR-UGC NET including LS are preferable. *Relaxation*: 6.0 CGPA or 60% for OBC/EWS 5.5 CGPA or 5.5% for SC/ST/PWD
Desirable Qualification	B.Sc and M.Sc. in Chemistry/Chemical Science (Organic and Inorganic Chemistry).
Research Area/ Project title	Development of Bioinspired High Valent Late Transition Metal Pseudohalide Complexes for Selective C-H Functionalization and Mechanistic Investigations
Project No.	CHY2425003ANRFPRAM
Sponsoring Agency	Anusandhan National Research Foundation (ANRF)
No. of Position	One
Monthly Salary	INR. 37000 + HRA (as per norms)
Principal Investigator	Dr. Prasenjit Mondal
Department/Centre	Chemistry
Maximum Tenure of Assignment	Initially for three months, extendable up to one year of project subject to performance. Based on the performance, the student can be upgraded to Ph.D program.
Desired Experience	Synthetic and data analysis skill in Chemistry
Brief Project Description and Nature of the Work	Naturally abundant first row transition metal complexes could be naturally facilitators to mild oxidative functionalization of hydrocarbons and could be potentially a cost effective and green solution to the hydrocarbon functionalization enigma - as long as sufficiently reactive and selective oxidants can be generated. The aim for this project is to design high valent first row late transition metal-pseudohalide complexes that will be capable of hydrocarbon oxidation, resulting different selective C-H functionalized products, depending on use of terminal pseudohalides as well as external reagents. The reactions mechanisms will also be investigated in detail.
Age Limit	Not more than 28 years as of the last date of advertisement (relaxed for exceptional candidates)
Last date application	24-04-2025
Application Link	https://forms.gle/V7rXKGNR5KBV1z7j7

Eligible candidates must attach a detailed CV **(maximum 3 to 4 pages)** specifying their Qualifications and Experience with scanned copies of marksheets and certificates from X class till date.

The shortlisted candidates will be informed by Email only. Selection will be based on the qualification, experience, and interview. **No TA/DA shall be paid to candidates appearing for an interview online or offline**. The interview date will be notified to the shortlisted candidates by Email. For any queries send mail to csrc_recruitment@iittp.ac.in

Selected candidates will need to join their duty within two weeks of acceptance of the offer.

IIT Tirupati also reserves the right to discontinue the position with 1 month notice if the performance is not satisfactory.

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