



**INDIAN INSTITUTE OF TECHNOLOGY ROPAR
DEPARTMENT OF CHEMISTRY
S. S. BHATNAGAR BLOCK
RUPNAGAR, PUNJAB-140001**

ADVERTISEMENT OF A JRF POSITION

(F. No. ANRF/PAIR/2025/000006/PAIR-A)

Applications are invited from the Indian nationals for the position of Junior Research Fellow (JRF) to work in the ANRF-PAIR sponsored project titled “Dynamic research ecosystem for advanced materials (DREAMS)” under the supervision of undersigned. The position is open immediately. The selected candidate may be considered for Ph.D. admissions at a later stage as per the Institute rules.

Duration: The position is for five years or till the completion of project whichever is earlier. The offer will be given initially for one year, which can be extended further based on satisfactory performance.

Qualifications:

Essential:

- (i) Masters in Chemistry/Physics or relevant areas with 60% marks or 6.5 grade point out of 10 and 55% marks or 6.0 for SC/ST category
- (ii) Valid GATE or CSIR-UGC(JRF) or CSIR-UGC(NET-LS) qualified

Desirable: Knowledge of Unix, Fortran/C programming, Machine Learning, Jupyter and ability to work both independently and as part of a team

Job description:

To perform first principles DFT calculations on the 2D materials for energy storage and implement machine learning tools in identifying the potential materials.

Emoluments: As per ANRF rules.

Last Date: 24.11.25

Application Process:

1. Online filling the application form, and attach certificates, and CV: [Click Here](#)
2. Additional higher short-listing criteria shall be set based on number of applications received.
3. Date of interview will be informed to the shortlisted candidates via e-mail.

Prof. T. J. Dhilip Kumar

Co-PI

Department of Chemistry

Indian Institute of Technology Ropar,

Rupnagar-140001 Punjab

E-mail: dhilip@iitrpr.ac.in

<http://www.iitrpr.ac.in/dhilip>