



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

ADVERTISEMENT OF A JRF POSITION

(F. No. ANRF-ARG/2025/002692/CS)

Applications are invited from the Indian nationals for the position of Junior Research Fellow (JRF) to work in the ANRF-ARG sponsored project titled “Collisional scattering dynamics of newly detected small carbon chains with H₂ by neural network approach” 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 three 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, Python, Machine Learning, Jupyter and ability to work both independently and as part of a team.

Job description:

To perform scattering dynamics of carbon chains with colliders such as He and H₂ and utilizing machine learning tools to arrive at potential energy surface and reaction parameters.

Emoluments: As per ANRF rules.

Last Date: May 7, 2026

Date of Interview: May 19, 2026

Application Process:

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

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