

**DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Advt. No. ChED/I-PDF/2026/HPV

Date: 5th August 2026

ADVERTISEMENT FOR POSTDOCTORAL FELLOWSHIP POSITION

The Department of Chemical Engineering at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for a postdoctoral position under the mentorship of **Prof. Hari Prakash Veluswamy** on "*Sustainable storage and transport of hydrogen through Gas Hydrates.*"

Essential qualifications:

- Ph.D. in Chemical Engineering or other relevant discipline from any of the premier and recognized national/international institutes
- Must have published at least 2 research papers as first author in renowned international journals (SCI-indexed)

Desirable qualifications:

- Thesis work on any aspect of gas hydrates or hydrogen storage - thermodynamics, kinetics, morphology, modelling/simulation or characterization studies is preferred
- Knowledge and experience in establishing, handling and operating high pressure experimental setups (suited for gas hydrate formation/dissociation) is required
- Prior experience in performing characterization techniques including PXRD, DSC, BET, Raman spectroscopy etc., is preferred
- Candidates who have defended their Ph.D. thesis during the last three years will be preferred

*Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they should furnish the proof of the award of Ph.D. degree at the time of interview

The prospective candidate is expected to have a strong background in the area of hydrogen storage or gas hydrates with relevant experimental skills. The candidate should be passionate about working on cutting-edge research leading to high impact publications. Apart from research activities, the candidate will be entrusted with other academic responsibilities including mentoring undergraduate and M.Tech students, participating in research discussion and other activities as deemed fit by the PI.

Duration and Fellowship:

The tenure of the PDF will be two years. A consolidated fellowship of Rs.80,000/- per month for two years and contingency of Rs.50,000/- per annum will be awarded to the Post-Doctoral Fellow. The Fellowship may be terminated by either side by giving one-month notice. The candidate is expected to join the department as soon as the offer letter is released.

Application procedure:

Candidates should apply with a covering letter, detailed curriculum vitae, list of publications along with respective impact factors, a research statement describing past research experience and future research plans in a single PDF file named "Candidate Name_Institute of Ph.D. Degree_Year of Ph.D" and submit by e-mail with subject 'Application for PDF_Candidate name' to: hariprakashv@ch.iitr.ac.in;

Last date for submission of application is **31st August 2026**, applications received after this date will not be considered.

Note:

Post-Doctoral Fellows will be registered as students and may avail facilities of Library, Computer Centre, available hospital facilities etc. Only screened candidates based on their credentials will be called for interview.



Head of the Department/Chemical Engineering

प्रोफेसर एवं अध्यक्ष / Prof. Hari Prakash Veluswamy
प्रोफेसर एवं अध्यक्ष / Prof. & Head
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