



भारतीय प्रौद्योगिकी संस्थान रुड़की Indian Institute of Technology Roorkee

DEPARTMENT OF CHEMICAL ENGINEERING

Advt. No.: IITR/CH/PDF/26-27/PKJ/01

Dated: August 17, 2026

ADVERTISEMENT FOR POST DOCTORAL 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. Prateek K. Jha (PI) focused on “Molecular Simulations and Experimental Investigation of Sustained Release, Biodegradable Drug-Loaded Microspheres for Use in Glaucoma Implants”.

Last date for the submission of application by e-mail is **September 14, 2026**. Applications received after this date will not be considered.

Minimum qualification and experience:

1. The candidate must have completed a Ph.D. in Chemical Engineering/Chemistry/Physics/Materials Science/Mechanical Engineering/Bioengineering or closely related disciplines. Candidates who have not yet defended their thesis may apply but they should have completed the defense before the interview date, in order to be considered.
2. The candidate should be **either** well conversant with the theoretical foundations of molecular simulations and one of the open source tools to perform molecular dynamics simulations (GROMACS, LAMMPS, etc.) **or** should have extensive experience in the synthesis and characterization of drug delivery systems. Candidates with prior experience in both computational and experimental work may be preferred, but is not mandatory for the position.
3. The candidate should have strong academic credentials and at least 2 high quality, original research publications. Review articles will not be considered.

Duration and fellowship amount:

The duration of the fellowship will be 2 years. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of Rs. 80,000.00 per month + HRA (as applicable) for two years and a contingency of Rs. 50,000.00 per annum will be awarded to Post-Doctoral Fellows. The candidate is expected to join as soon as the offer letter is released.

How to apply?

Candidates should clearly mention Advt. No. and date with title of the position applying for with a covering letter, curriculum vitae, two reference letters*, list of publications (**highlighted with the most relevant publication(s) for the post**), brief research statement (< 2 pages) describing past research and plans for future research in the context of the focus for which the post is being advertised (mandatory) all in a single PDF file by e-mail to

prateek.jha@ch.iitr.ac.in

***Please ask two experts in your research area to their reference letters directly to the above-mentioned email-id.**

Notes:

- (i) Post-doctoral Fellows will be registered as students and may avail facilities of library, computer center, available hospital facilities etc. They will be entitled to 2.5 days of leave per completed calendar month. No carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.
- (ii) The screened candidates will be called for interview.

(Head of the Department)

Department of Chemical Engineering

प्रोफेसर एवं अध्यक्ष / Prof. & Head

रासायनिक अभियांत्रिकी विभाग

Department of Chemical Engineering

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Indian Institute of Technology Roorkee

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