

**Department of Chemical Engineering  
Indian Institute of Technology Roorkee**

Advt. No. Estt. (A)/CHED/PDF/643

Dated: 23<sup>rd</sup> March 2021

**ADVERTISEMENT FOR THE POSITION OF A POST-DOCTORAL FELLOW**

The Department of Chemical Engineering, Indian Institute of Technology (IIT) Roorkee invites applications from the outstanding candidates for a **post-doctoral position** under the mentorship of **Prof. Prakash Biswas** and **Prof. Prateek Jha** to work on a project entitled **"First-principle design, synthesis, and characterization of nickel-ceria-zirconia catalyst for methane tri-reforming from MOF precursors"**.

The prospective candidate is expected to have a strong background in computational chemistry and first-principle modelling. Experience with theoretical and experimental techniques applied to heterogeneous catalysis is desirable but not mandatory.

The last date of submission of the application is **15<sup>th</sup> April 2021**. Department intends to fill the said position by **15<sup>th</sup> May 2021**.

**Minimum Qualification and Experience:**

Ph.D. in Chemical Engineering and related disciplines with a research background in the aforementioned areas with a good publication record.

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

**Duration of the Fellowship and amount:**

The duration of the fellowship will be for two years and extendable by one more year based on the performance as well as the requirements of the project. The candidate is expected to join the department as soon as the offer letter is issued. The fellowship including the contingency grant of the position is as below.

First & Second Year: Rs. 55,000/- per month

Third Year: Rs.60,000/- per month

The contingency of Rs. 50,000/- per annum will also be awarded.

**How to Apply:**

Candidates can apply with a cover letter, curriculum vitae, list of publications, research statement, description of past research experience, and future research plans arranged in a

single PDF file named as “**Candidate Name\_Institute of Ph.D. Degree\_Year of Ph.D.**” by sending the PDF file via e-mail and/or hard copy to the following address.

Professor and Head  
Department of Chemical Engineering  
Indian Institute of Technology Roorkee  
Roorkee - 247667  
INDIA

Email: [head@ch.iitr.ac.in](mailto:head@ch.iitr.ac.in) and copy to [prakash.biswas@ch.iitr.ac.in](mailto:prakash.biswas@ch.iitr.ac.in), Phone: +91-1332-285820 (office), +91-812-684-9030 (Mob.) and [prateek.jha@ch.iitr.ac.in](mailto:prateek.jha@ch.iitr.ac.in), Phone: +91-1332-284810 (office), +91-967-536-3200 (Mob.).

**Notes:**

(i) Postdoctoral fellow (PDF) will be registered as IIT Roorkee students for availing all the facilities of accommodation, hospital, medical insurance scheme, computer center, library, sports, etc.

(ii) The candidate called for discussion/interview will be reimbursed Bus/Train (2<sup>nd</sup> AC) fare from their place of residence/work and back by the shortest route within India on the production of train/bus tickets with PNR number.

or

Interview/discussion will be conducted online.

**About the Research Group**

Please browse the following links:

<https://www.iitr.ac.in/~CH/prakbfch>

<https://www.iitr.ac.in/~CH/Prateek Jha>

**About the Department**

Please visit <https://www.iitr.ac.in/~CH>

**About the Institute**

Please visit <https://www.iitr.ac.in/>

**Head**

**Department of Chemical Engineering**

विभागाध्यक्ष / H.O.D.

रासायनिक अभियांत्रिकी विभाग  
Dept. of Chemical Engineering  
भा0 प्रौ0 सं0 रुड़की / I. I. T. Roorkee  
रुड़की / Roorkee-247 667 (INDIA)