

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

Advt. No. Estt. (A)/5407/E-5001

Dated: 6th October 2020

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 preparation, characterization, and testing of heterogeneous catalysts. Knowledge of density functional theory and Monte Carlo simulations is also desirable.

The last date of submission of the application is **30th October 2020**. Department intends to fill the said position by **15th November 2020**.

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 the 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 and copy to prakash.biswas@ch.iitr.ac.in, Phone: +91-1332-285820 (office), +91-812-684-9030 (Mob.) and 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 (2nd 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/>


12/12/2020

Head

Department of Chemical Engineering

प्रोफेसर एवं अध्यक्ष / Prof. & Head
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