



भारतीय प्रौद्योगिकी संस्थान रूड़की Indian Institute of Technology Roorkee

Department of Chemical Engineering

Advt. No. CHEED/20/6/17.1

Date: 17.06.2020

Advertisement for Post-Doctoral Fellowship Position

The Department of Chemical Engineering at the Indian Institute of Technology, Roorkee invites application from outstanding and enthusiastic researcher for a post-doctoral position under the mentorship of Prof. PP Kundu (Professor, Department of Chemical Engineering) focused on “**Development of low cost cathode catalyst for efficient oxygen reduction during application in microbial fuel cell**”.

The prospective candidate is expected to have a strong background in the area of (a) synthesis of electro catalyst (b) electrochemical reduction and oxidation (c) Microbial fuel cell (d) Hands on experience on the use of FTIR, XRD, DSC/TGA, DMA, HPLC/GPC etc. The candidate should have publications in peer reviewed journals. Apart from research, the candidate will be entrusted with other academic responsibilities as deemed fit by department.

Last Date for the submission of application is **10th July, 2020**

Minimum Qualification and Experience:

Ph.D. in Chemistry, Microbiology, Polymer science, Environmental Science, Chemical Engineering.

Duration and Fellowship amount: The duration of fellowship will be 2.5 Years and fellowship amount Rs55000 per month for first two years and Rs60000 for third year.

How to apply:

Candidates should clearly mention Advt. No and date with the title of the position applying for with a covering letter, curriculum vitae, list of publication (highlighted with the most relevant publications for the post), research statement describe the past research and the plans for future research (mandatory) by both regular post and in a single PDF file by e-mail (copy to patit.kundu@ch.iitr.ac.in) to:

Professor and Head

Department of Chemical Engineering

Indian Institute of Technology, Roorkee

Notes:

- (i) Post-doctoral fellows will be registered as students and may avail facilities of hostel accommodation, library, computer center hospital facilities etc. Depending upon the availabilities, they may get shelter accommodation also. PDF positions are purely temporary.
- (ii) The candidates selected for discussion/interview will be interviewed on video conference mode or face to face at the Office of Dean (Faculty Affairs) depending on the situation of ongoing pandemic of COVID 19.

About the Department:

The Department of Chemical Engineering was established in 1963 with an Undergraduate programme in Chemical Engineering. A Master's course in Equipment and Plant Design was initiated in 1970. Later on, two new Master's courses namely Industrial Pollution Abatement and Advanced Transfer Processes were inducted. Subsequently, the specialization of Equipment and Plant Design was redesigned, updated and re-christened as Computer Aided Process Plant Design. At present, the Department is running a post-graduate programmes in Chemical Engineering. The department is also coordinating the B. Tech programme in Polymer Science & Engineering.

About the Institute:

Indian Institute of Technology Roorkee (IIT Roorkee or IITR), formerly University of Roorkee and Thomason College of Civil Engineering, is a public engineering university located in Roorkee, Uttarakhand, India. Established in 1847 in British India by the then lieutenant governor, Sir James Thomason, it is the oldest technical institution in Asia. It was given university status in 1949 and was converted into an Indian Institute of Technology (IIT) in 2001, thus becoming the seventh IIT to be declared. IIT Roorkee has 21 academic departments covering Engineering, Applied Sciences, Humanities and Social Sciences and Management programs with a strong emphasis on scientific and technological education and research.

Professor and Head

Department of Chemical Engineering

Indian Institute of Technology, Roorkee