

Department of Chemistry
Indian Institute of Technology Roorkee
Roorkee-247 667, Uttarakhand, India

Advt. No: Chemistry/PDF/20-21/1

Date: 04th September 2020

ADVERTISEMENT FOR POST-DOCTORAL FELLOWSHIP POSITION

The Department of Chemistry at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for postdoctoral position under the mentorship of **Dr. Ravindra Pandey** focused on “**Probing the Complex Mechanism of pH-low Insertion Peptides in a Model Cell Membranes Using Sum Frequency Generation Spectroscopy**”

The prospective candidate is expected to have a strong background in the area of Physical Chemistry and will explore the complex protein membrane interactions using interface specific sum frequency generation spectroscopy.

Last date for the submission of application is 15th October 2020.

Minimum Qualification and Experience: Ph.D. in Physical Chemistry/Physics with experience of Laser Spectroscopy, MATLAB and LabVIEW.

Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they will furnish the proof of the award of Ph.D. degree at the time of interview at IIT Roorkee, if shortlisted. However, the preference will be given to the candidate having prior postdoctoral experience.

Duration and Fellowship amount:

The duration of the fellowship will be of two years extendable to one more year, if necessary. The candidate is expected to join the Department as soon as offer letter has been released. The fellow will receive a consolidated fellowship as below in addition to the contingency grant of ₹ 50,000/-per annum.

First two years: ₹ 55,000/- per month

Third year: ₹ 60,000/- per month

How to Apply:

Candidates can apply with cover letter, curriculum vitae, list of publications (with the most significant publications highlighted), research statement describing past research and plans for future research in the context of the title of project by e-mail, to:

Professor and Head
Department of Chemistry,
Indian Institute of Technology Roorkee
Roorkee - 247667
Uttarakhand
INDIA

Email: rpandey@cv.iitr.ac.in (and copy to chemt@iitr.ac.in and chemhod@iitr.ac.in)

Phone: +91-1332-2855522(office)

Notes:

1. All the postdoctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of accommodation, hospital, medical insurance scheme, computer center, library, sports etc.
2. The candidate called for discussion/interview will be reimbursed Bus/Train (2nd AC) fare from their place of residence/work and return by the shortest route within India on production of train/bus tickets or PNR number.
3. All the emails have subject line Application for Postdoctoral Position.
4. All other rules and regulations, mentioned in the notification number IITR/Rect./E-5508 dated 03 May 2019 will be applicable

About the Department:

The Department of chemistry came into existence in 1960 with an initial strength of 10 M.Sc students and 7 faculty members. Now the M.Sc. intake has gone up to 36 and has a sanctioned faculty strength of 23. Unique features of PG education in Chemistry is that there are compulsory courses in Modelling, Simulation and Computer Application, Radiochemistry and Technical communication, not available elsewhere.

The department proposes to pursue interdisciplinary research on contemporary problems of chemical Science relating to industrial, rural and agricultural development and Utilization of industrial wastes for generation of energy, chemicals and biopolymers will also be attempted to prevent environmental degradation.

More than 250 of our students have been awarded PhD. degrees and more than 1000 research papers have been published The Department organizes national and international conferences from time to time. The research activity in the department is well recognized by CSIR, AICTE, DST and ISRO and number of research projects funded by these agencies are always in progress in the department.

For more details, please visit:

https://www.iitr.ac.in/departments/CY/pages/Department_of_Chemistry_IIT_Roorkee.html

About the Institute:

IIT Roorkee has its roots in the Roorkee College, which was set up in 1847. It was renamed as the Thomason College of Civil Engineering in 1854. The College laid the foundation of modern engineering education and the use of Civil Engineering practices in the infrastructure development of the country. The irrigation infrastructure in the form of dams and canals, roads and highways, railway, bridges, etc.in the country, all have been the outcome of the engineering education imparted in this, the only engineering institution in the country, at that point of time. It got elevated as the first technical University of the country in 1948 through the University of Roorkee Act, 1947 passed by the United Provinces Legislature. University of Roorkee also became the first institution in the country to offer postgraduate programs engineering and technology in 1955. On September 21,2001, the University was converted into an IIT by the Government of India through an Act of Parliament and recognized as an Institution of National importance. Roorkee is the entry point of Uttarakhand state. It is on the way to Mussoorie and Haridwar from Delhi. IIT Roorkee has a beautiful green campus. Various sports facilities including Billiards, Swimming, Hockey, Football, and Yoga are available in the Campus. The Institute provides 100% accommodation to faculty members. A good C.B.S.E. School is available in the Campus which provides admission to the children of newly joining faculty members throughout the year. For more details, please visit: <https://www.iitr.ac.in>

For more information, please contact

Dr. Ravindra Pandey, Department of Chemistry, IIT Roorkee
rpandey@cv.iitr.ac.in

Prof. K.R. Justin Thomas

Professor and Head

Department of Chemistry, IIT Roorkee