

**DEPARTMENT OF CHEMISTRY
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Advt. No. IITR Chemistry/ (PDF), Dated: 09-09-2020

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

Department of Chemistry at the Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for post-doctoral fellowship (PDF) under the mentorship of Prof. Kaushik Ghosh, focused on “**A chemical approach to serum protein identification: improved specificity, selectivity and detection**”.

The prospective candidate is expected to have a strong background in Protein Chemistry and/or Synthetic Chemistry. Candidate should have experiences in different biophysical techniques as well as characterization techniques of organic and inorganic compounds by UV-Vis, IR, GC-MS, EPR and NMR measurements. Candidate should be passionate about working on cutting edge research leading to high impact products and services. Other research activities may include participating in research discussion with institutes overseas. Apart from research, the candidate may be entrusted with other academic responsibilities as per the institute rule.

Last date for submission of application is October 20, 2020.

Minimum Qualification and Experience.

(a) **Essential Qualification:** The prospective candidate should have Ph.D. in Chemistry/Biochemistry/Biotechnology or related areas from a premier institute/University with a consistent good academic record. He/she should have a minimum two SCI publications in high impact journals and a strong knowledge of protein chemistry and characterization techniques.

(b) **Desirable Qualification:** It is desirable that the applicant will be interested in interdisciplinary areas handling research in chemistry as well biochemistry.

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

Duration and Fellowship amount: The duration of the fellowship will be two years, extendable to one more year. The candidate is expected to join the Department as soon as offer letter has been released. The fellow will receive a consolidated fellowship as mentioned below along with a contingency grant:



First & Second year: Rs. 55,000/- per month.
Third year: Rs. 60,000/- per month.
A contingency grant of Rs. 50,000/- per annum.

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 by both regular and e-mail, to:

Head, Department of Chemistry
Indian Institute of Technology Roorkee,
Roorkee -247667, India.

Email: chemt@iitr.ac.in; (and copy to ghoshfey@iitr.ac.in and kaushik.ghosh@iitr.ac.in); Phone (office): +91-1332-284381.

Notes:

- (i) All the postdoctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of accommodation, hospital, medical insurance scheme, computer centre, library, sports, etc. They will also be governed by the leave rules as applicable to the post graduate students.
- (ii) The candidates called for discussion/interview will be paid II-AC train fare from their place of residence/work and back by the shortest route within India on production of train/bus tickets.

About the Group

For more details, please visit:

<https://www.iitr.ac.in/departments/CY/pages/People+Faculty+ghoshfey.html>

<https://bioinorg7.wixsite.com/kgghosh>

About the Department

The Department of Chemistry was established in 1960. It is, since then, engaged in providing highest level and quality of academic education. The main focus of the teaching and research in the department is centered on interdisciplinary themes which have gained worldwide attention and appreciation. This department features a 27member faculty with expertise in frontier areas of research. Active research in the areas of asymmetric synthesis, heterocyclic synthesis, organometallic catalysis, organic functional materials, ion selective sensors, polymeric

membranes, electro-organic chemistry of nucleosides/nucleotides, nanomaterials, photochemistry, extraction of heavy metals, resolution of therapeutic enantiomers, organotin compounds, protein sequencing, bioinorganic chemistry and theoretical chemistry are being pursued. The faculty members have contributed towards the publication of over several books, research papers and many patents in the last five years (more than 1500 papers in all). There are several research projects sponsored by various government organizations (MHRD, DST, CSIR, AICTE, DRDO, ISRO) and industries. For more details, please visit: <http://www.iitr.ac.in/departments/CY/pages/index.html>.

About the Institute

The Roorkee College was established in 1847 AD as the First Engineering College in the British Empire. The College was renamed as The Thomason College of Civil Engineering in 1854. It was given the status of University by Act No. IX of 1948 of the United Province (Uttar Pradesh) in recognition of its performance and its potential and keeping in view the needs of post-independent India. Pandit Jawahar Lal Nehru, the first Prime Minister of India, presented the Charter in November 1949 elevating the erstwhile college to the First Engineering University of Independent India. Since its establishment, the University of Roorkee has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research. The University ranked amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering. The University entered 150th year of its existence in one or other form in October 1996. On the 21st September 2001, the University was declared an institute of national importance, by passing a bill in the parliament, changing its status from University of Roorkee to Indian Institute of Technology Roorkee. Thus, another jewel was added into the already glittering crown in the History of this Institute. For more details, please visit: <http://www.iitr.ac.in>.

HEAD

DEPARTMENT OF CHEMISTRY

Dr. K. R. Justin Thomas

विभागाध्यक्ष / Head

रसायन विभाग / Chemistry Department

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09.09.20

