

**Department of Chemistry
Indian Institute of Technology Roorkee**

Advt. No. IITR Chemistry/(PDF), Dated: 22-05-2024

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 position under the mentorship of Prof. M. Sankar (Professor in Department of Chemistry), focused on '*Synthesis of Robust and Porous Porphyrinic Network Solids for Gas Storage and Transport Applications*'.

The prospective candidate is expected to have a strong background in organic or inorganic synthesis with sufficient knowledge of macrocyclic chemistry and microscopic techniques. Preference will be given to the candidates having hands on experience in syntheses of porphyrin-based MOFs. Candidate should be passionate about working on chemistry of tetrapyrroles and their applications. Apart from research, the candidate may be entrusted with other academic responsibilities as deemed fit by the department.

Last date for submission of application is June 10, 2024

Minimum Qualification and Experience:

The prospective candidate should have a Ph.D. in Organic or Inorganic Chemistry from a reputed institute with a consistent good academic record. He/she should have a minimum of two SCI publications and a strong knowledge of organic or inorganic synthesis, preferably in the area of macrocyclic chemistry. 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 PhD at the time of interview.

Duration and Fellowship amount:

The duration of the fellowship will be eight months. The candidate is expected to join the Department as soon as the offer letter has been released. The fellow will receive a consolidated fellowship of Rs. 80,000/- per month in addition to the contingency grant of Rs. 50,000/- per annum.

How to Apply:

Candidates can apply with cover letter, curriculum vitae, list of publications, research statement describing past research and plans for future research by both regular and e-mail, to:

Professor and Head, Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India. Email: chemt@iitr.ac.in; Ph (off): +91-1332-284381.

Notes:

(i) All the postdoctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of hospital, computer centre, library, sports, etc. They will also be governed by the leave rules applicable to PG students.

(ii) The candidates called for 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 Department:

The Department of Chemistry was established in 1960. It has, since then, engaged in providing the 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 30-member faculties with expertise in frontier areas of research. Active research in the areas of asymmetric synthesis, transition metal based catalysis, visible light photoredox catalysis, electrochemistry, mechanochemistry, organic functional materials, polymeric membranes, nanobio interfacial chemistry, nanomaterials, bioinorganic chemistry, high energy density materials, ultrafast spectroscopy, nonlinear spectroscopy, quantum dots as sensors, energy harvesting, systems chemistry, active matter, artificial cells, computational catalysis, modelling and simulations, and other areas of theoretical chemistry are being pursued. The faculty members have contributed towards the publication of several books, research papers and many patents in the last five years. There are several research projects sponsored by various government organizations (DST, DBT, CSIR, DRDO, ISRO and BRNS) and industries. For more details, please visit:

<https://iitr.ac.in/Departments/Chemistry%20Department/Home.html#>

About the Institute:

Indian Institute of Technology Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research. The Institute ranks 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 Institute celebrated its Sesquicentennial in October 1996 and now completed more than 175 years of its existence. It was converted to IIT on September 21, 2001, by an Ordinance issued by the Government of India declared it as the nation's seventh Indian Institute of Technology, an "Institution of National Importance".

The Institute offers bachelor's degree courses in 10 disciplines of Engineering and Architecture and Postgraduate's Degree in 55 disciplines of Engineering, Applied Science, Architecture, and planning. The Institute has facilities for doctoral work in all Departments and Research Centres.

For more details, please visit: <http://www.iitr.ac.in>

Professor and Head

Department of Chemistry