

**Department of Metallurgical and Materials Engineering
Indian Institute of Technology Roorkee**

Advt. No. MMED/PDF/2020/1137, Date: 14/02/2020

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

Department of Metallurgical and Materials Engineering at the Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for post doctoral position for working on a project focused on '**Graphene based high performance flexible supercapacitor**'.

The prospective candidate is expected to have a strong interest in electrochemistry and nanotechnology with thorough working experience in carbon nanostructure synthesis and characterization Or, oxide and other nanostructure synthesis and characterization, applications for battery or capacitor or any other storage devices. Other research activities may include participating in research discussion with collaborating universities and research centers, mentoring other students, proposal writing etc.

Last date of application submission is 5 March, 2020.

Minimum Qualification and Experience:

The prospective candidate should have PhD degree in Metallurgical Engineering/ Materials Science/ Mechanical Engineering/Chemical Engineering/ Electrochemical Engineering/ Physics/ Chemistry/ Nanotechnology, with quality publications in related fields and working experience, as mentioned above.

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 at the time of interview and also fulfil above-mentioned criteria.

Duration and Fellowship amount:

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

First Year: Rs. 55,000/- per month

Second Year: Rs. 55,000/- per month

Third Year: Rs. 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 area of this project, by both regular mail and e-mail, to:

Professor and Head
Department of Metallurgical and Materials Engineering
Indian Institute of Technology Roorkee
Roorkee - 247667
INDIA

Attn.: Prof. Indranil Lahiri

Email: indranil.lahiri@mt.iitr.ac.in with a cc to indranil.lahiri@gmail.com

Phone: +91-1332-285261 (office)

Important notes:

- (i) All the envelopes and emails MUST have subject line "Application for Post-Doctoral Fellow Position"
- (ii) All the post-doctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of hostel accommodation, library, computer centre, hospital etc. They will also be governed by the leave rules as applicable.
- (iii) All other rules and regulations, mentioned in the notification no. IITR/Rect./E-5508 dt. 03 May 2019 will be applicable.
- (iv) 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.

About the Department:

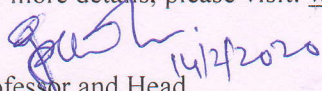
Department of Metallurgical and Materials Engineering was established in 1963 with an intake of sixty (UG) students. Later, post-graduation curriculum was started in 1969. The Department has been actively involved in research since its inception. The first award of first degree is recorded in 1972. Earlier, the faculty members were engaged in research in the areas of Physical Metallurgy, Thermodynamics and Kinetics of Metal extraction and Powder Metallurgy. In the early 70's, a number of new faculty members joined and started activities in the areas of Ferrites, Composite Materials and Electroless coatings. It was increasingly realized that the barriers between Metals, Ceramics and Polymers needs to be broken and an integrated approach to Materials should be evolved. The name of the Department was changed from Department of Metallurgy to Department of Metallurgical and Materials Engineering in the year 1997 with the introduction of courses in Polymers and Ceramics at the curriculum level and through research in Metal-Ceramic composites and dissimilar materials joining. At present, faculty members in the department has expertise in wide areas covering physical metallurgy, process metallurgy, ceramics, composites, electronic materials, nanomaterials, biomaterials, modeling and simulation etc.

For more details, please visit: <https://www.iitr.ac.in/departments/MT/pages/index.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 in 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: www.iitr.ac.in


Professor and Head
Department of Metallurgical and Materials Engineering
IIT Roorkee

प्रोफेसर एवं विभागाध्यक्ष/Prof & Head
आयुक्तकर्म एवं चतुर्थ अतिरिक्तिकी विभाग
Metallurgical & Materials Engg. Deptt.
भा. प्रौ. सं. रुड़की/I.I.T Roorkee