

**Department of Biosciences and Bioengineering
Indian Institute of Technology Roorkee**

Adv No.: IITR/IPDF/BSBE/DS/02

Dated: July 24, 2024

ADVERTISEMENT OF THE POST DOCTORAL FELLOWSHIP POSITION

Department of Biosciences and Bioengineering, Indian Institute of Technology Roorkee invites applications from the outstanding and enthusiastic researchers for the post-doctoral fellow position under the mentorship of Prof. DEBABRATA SIRCAR for a project entitled "Transcriptome and metabolomics of Artemisia indica (Indian wormwood) to decipher biosynthetic pathways of specialized metabolites having high economic importance"

The prospective candidate is expected to have experimental and analytical background in the relevant field related to the project. Apart from research, candidate is expected to be involved in other academic responsibilities as and when required by the Department.

The last date of submission of application is **August 20, 2024 (5.00 PM)**. Any application received after this date will not be considered.

Minimum qualifications and experience required:

1. A PhD (completed) in the area of Plant Biotechnology/Chemistry/Chemical Sciences
2. Strong back-ground in plant biology, plant secondary metabolism, transgenic development
3. Excellent expertise in molecular biology (plant gene cloning and functional characterization of plant genes in model plants, Gateway and other non-restriction enzyme-based cloning, transformation, gene expression analyses by qPCR, analyses of DNA and RNA sequence, SDS and Native PAGE, southern/western blotting/ basic knowledge of analyses of transcriptome data
4. Expertise in plant metabolomics (mass spectrometry, like GC-MS, LC-MS/MS, MALDI-HRMS with basic knowledge of NMR, HPLC etc)
5. Proven expertise in plant tissue culture, in planta Agrobacterium mediated genetic transformation for medicinal plants, plant regeneration, knowledge of plant cell culture system.
6. Experience for cultivation and handling of medicinal and aromatic plants
7. Published research articles in reputed journals (at least 2-3 as first author)
8. Excellent speaking and writing skill in English, experience in manuscript writing.

Duration of fellowship and fellowship amount:

The duration of fellowship: 1 year and 7 months

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. HRA will be paid as per institute norms.

Abhishek
24.7.24

How to apply

Candidate should clearly mention advertisement No, date of advertisement and the title of the position applying for in a covering letter, followed by Curriculum Vitae, list of publications (highlighted with those matching with the relevant expertise required for the post), a brief (one page) research statement describing previous research experience and future research plans (keeping in focus with the requirement for this post). Two letters of recommendations. Combine all documents in a single PDF file and send by email to:

Prof. Sanjoy Ghosh
Head, Biosciences and Bioengineering Department
Indian Institute of Technology Roorkee
Roorkee 247667, Uttarakhand, INDIA

Email: head@bt.iitr.ac.in (copy to- debabrata.sircar@bt.iitr.ac.in and biotech@iitr.ac.in)
Phone: 01332-284316 (Office)

In the **subject of email**, please mention “**Application for the post of IPDF_D Sircar**”

Notes:

1. Post-doctoral fellow (PDF) may avail hostel accommodation (depending on availability), access to library, computer centre, central facilities, hospitals etc as per Institute norms. PDF will be entitled for leave as per Institute PDF guidelines. PDF positions are purely temporary.
2. Only screened/shortlisted candidates will be called for Interview.
3. No TA/DA will be given to attend the interview

Shubh
24/7/24

8/24/24
Sanjoy Ghosh
Prof. & Head
Biosciences and Bioengineering, Dept
जैवविज्ञान और जैवअभियांत्रिकी विभाग
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