

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
(Department of Biosciences and Bioengineering)

Dated: August 1, 2025

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Dr. Poonam Choudhary), Department of Biosciences and Bioengineering, Indian Institute of Technology, Roorkee.

1. Title of project: Development of Sustainable and Indigenous Porcine Collagen Extraction Technology for Corneal and Bone Regeneration in Battlefield Injuries
  2. Sponsor of the project- DIA- CoE, IIT Kanpur
  3. Project position(s) and number – Project Senior Research Fellow (SRF), 01
  4. Qualifications – Postgraduate Degree in Basic Science or in Professional Course in biotechnology or life sciences related areas, with qualified CSIR UGC NET or GATE. Candidate should have two years of research experience in the field of biotechnology/ biochemistry or life sciences related areas.
  5. Emoluments – Rs. 42000+ 10% HRA per month
  6. Duration – 36 months
  7. Job description – Responsibilities include protein extraction, purification, and recovery from animal-derived and/or recombinant sources, with emphasis on optimizing pre-treatment methods, enzymatic hydrolysis, and downstream processes. Key skills required include hands-on experience with structural and chemical characterization techniques such as FTIR, SDS-PAGE, MALDI-TOF, XPS, NMR, and XRD. Experience in operating bioreactors, process optimization, and maintaining batch-to-batch consistency is essential. Prior work in tissue regeneration, especially in the development of collagen-based scaffolds will be considered an added advantage.
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
  2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
    - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
    - Experience including research, industrial field and others.
    - Attested copies of degree/certificate and experience certificate.
  3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
  4. Preference will be given to SC/ST candidates on equal qualifications and experience.
  5. Please note that no TA/DA is admissible for attending the interview.

**Note: The selected candidate may get an opportunity for PhD admission.**

The last date for application to be submitted to office of Principal Investigator is ...**20 August**.....by 5 PM.  
(not applicable for walk in interview)

Tel: +91 63537- 05198

Email: poonamchoudhary@bt.iitr.ac.in

सहा प्रभ्यापक / Asstt Professor  
Dr. Poonam Choudhary

Name and signature of Principal Investigator

भारतीय प्रौद्योगिकी संस्थान / Indian Institute of Technology  
Roorkee-247667 (U.K.) INDIA

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Approved

डीन (सिक)/(Dean SRIC)

भा. प्रौ. सं. रुड़की/IIT Roorkee

01/08/2025

01/08/25