



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: NJB/Tech./JPDS/11467 dated 07-03-2024	IIT (ISM) Project No.: NJB/2023-2024/1084/CHEMICAL	Date: 15-04-2024
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JRF position under (National Jute Board) Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Research Associate (RA)
Number of Position (s)	01 (ONE)
Title of The Project	Industrial scale up of biodegradable, non-polymer super-hydrophobic jute fabric exhibiting excellent water repellency & stiffness for shopping/hand bag products
Principal Investigator	Prof. Aditya Kumar
Tenure of Project	Maximum two years or till the end of project (31-03-2026), whichever is earlier
Job Description (in maximum of 100 words)	RA will carry out the experiments to create water-repellent superhydrophobic coatings. RA will characterize the coating by using different techniques. RA will also help in industrial scale-up of coating. RA will examine the applications of prepared coatings and compare the results with existing mathematical models and will propose new models based on the experimental observations. RA will also write the research papers and patents. Besides, RA shall do all technical work as assigned by the Principal Investigator from time to time.
Essential Qualification	PhD in Chemical Engineering/ Petrochemical Engineering/ Petroleum Engineering/ Biochemical Engineering/ Biotechnology/ Civil Engineering/ Energy Engineering/ Environmental Engineering/ Nanotechnology and Nano-science/ Metallurgical Engineering/ Materials Science/ Mechanical Engineering/ Polymer Science and Engineering and allied areas or any combination of the disciplines given as mentioned (<i>with first class/division or a minimum of 60% marks/CGPA of 6.5 on a 10 point scale</i>)
Desirable Qualification	PhD in Chemical Engineering
Age and Relaxation (if any)	As per Institute rule
Fellowship	₹ 60,000 + 16%HRA
Last Date & Time	15-05-2024 & 5:00 PM. Applications along with updated CV along with supporting documents should be sent through mail to aditya@iitism.ac.in
Shortlisted candidates will be informed on the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	

(Signature of PI)