



Birla Institute of Technology & Science, Pilani

K K Birla Goa Campus

CALL FOR RESEARCH STAFF (Junior Research Fellow)

Application Deadline: 25th Nov 2025

Date: 11th Nov 2025

Applications are invited from highly motivated candidates for the position of Junior Research Fellow (JRF) in the Department of Chemical Engineering , BITS Pilani, K. K. Birla Goa Campus, Goa, to work on an industry-sponsored project , titled “ <i>Energy and Carbon Sustainability via valorization of various lignocellulosic solid waste with technology interventions</i> ”. The appointment will be purely on a contractual basis .				
Position	Junior Research Fellow (JRF- 1)	Vacancy		1
Duration	3 years	Investigators	Prof. Abhishek Sharma (PI) Prof. Riju De (Co-PI) Prof. Jayita Chopra (Co-PI)	
Fellowship	JRF: Rs. 37,000 + HRA as per norms			
Project Description	The key focus of this project is the valorization of lignocellulosic solid waste (various agri residues) to high-value sustainable products such as biochar and bio-oil. Further, it involves engineering the biochar for soil amendment application and upgradation of the bio-oil for biodiesel application. To evaluate the sustainability and economic feasibility of the project, a rigorous life cycle assessment (LCA) and techno-economic analysis (TEA) will be conducted.			
Desired Skillset	Interest in sustainability, waste valorization, and renewable energy research. Knowledge of biomass conversion techniques, product characterization methods, basic understanding of LCA and TEA			
Qualification	M.E./ MTech in Chemical/ Mechanical/ Energy Science/ Engineering or equivalent with a minimum of 60% marks in B.E. or BTech in Chemical/ Biotechnology/ Mechanical/Energy Science Engineering or a Masters in any basic science discipline with First Class Division Preference will be given to students with hands-on experience in performing product characterization, handling reactors			
Registration for PhD	Selected JRF candidate will have the opportunity to apply for PhD programme at BITS Pilani, K. K. Birla Goa Campus, subject to their performance (Rules of PhD program for BITS Pilani are applicable). Candidates will get an opportunity to apply for PM fellowship.			

How to Apply: Interested candidates may apply via email to jayitac@goa.bits-pilani.ac.in by **25th Nov 2025, 23:59 IST**. Candidates must attach their recent curriculum vitae with details of research experience(s) while filling the form. For queries, contact PI via email: abhisheksharma@goa.bits-pilani.ac.in. Candidates will be shortlisted based on merit and as per the project requirement. Only shortlisted candidates will be contacted via e-mail for an online/personal interview to be held at BITS Pilani- K K Birla Goa Campus. No TA/DA will be paid for the Interview.

Accommodation: Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the Institute prevailing at the time of joining of the candidate.

