

# Birla Institute of Technology, Mesra, Ranchi

## Department of Mechanical Engineering

Advertisement for the post of Research Associate

Applications are invited for the post of Research Associate / Post-Doctoral Fellow to work both in the Department of Mechanical Engineering, Birla Institute of Technology, Mesra and Environmental Department of CSIR-Central Leather Research Institute, Chennai for DST-WMT funded project entitled '**Development, Testing, Calibration and Validation of Stirling Engine for decentralized power generation using Bio-Gas produced from Stubble waste and agricultural waste**' with a special focus on enhanced biogas production using stubble waste.

**Job Description:** - Research Associate for the DST-WMT funded above project. Appointment of RA / Post Doctoral Fellow is expected to collect data from the experiment laboratory & anaerobic solid waste digester by using agricultural stubble waste and optimise the digester design and processes by using computational fluid dynamics (CFD) and for enhanced high purity biogas production.

**Job duration:** 2 years

**Number of posts:** 1

**Salary:** Rs. 47,000/- ( + 16% HRA at Ranchi and 24% HRA when in Chennai) per month for two years

**Job location:** Jointly to work both at Department of Mechanical Engineering, Birla Institute of Technology, Mesra and CSIR-Central Leather Research Institute, Chennai but predominant duration will be at CSIR-CLRI, Chennai.

**Eligibility:** Engineering or Science Ph.D. on Biogas with minimum three publications during or post Ph.D. The candidate should have a strong inclination towards research with knowledge of lab scale and large-scale biogas plants.

**Desirable experience:** Experience on CFD based modelling and optimisation with the experimental data collected on the stubble waste / anaerobic Biogas plant on production or purification or bottling.

**How to apply:** Send your application with an updated CV pasted with recent passport size photograph with list of publications, three references through e-mail to [rajeevkumar@bitmesra.ac.in](mailto:rajeevkumar@bitmesra.ac.in) with a copy to [ar.src@bitmesra.ac.in](mailto:ar.src@bitmesra.ac.in) on or before **16<sup>th</sup> August 2023**. The subject of the email should be: Application for the post of RA / Post Doctoral Fellow. Candidates are advised to also send the scanned copy of certificates; grade cards/mark sheets, publications, photo-identity proof etc. as a **single pdf file** along with the application. The shortlisted candidate will be called for interview which will be held on last week of August 2023, through online mode. Online Link will be provided to shortlisted candidates for interview before the scheduled time through e-mail.

*Sandip Dutta*  
Registrar  
20/07/2023  
Registrar  
Birla Institute of Technology  
Mesra, Ranchi