



# Birla Institute of Technology & Science, Pilani

K K Birla Goa Campus

Dr.Srikanth Mutnuri, Professor & Head Department of Biological Sciences

26/05/2026

## CALL FOR JRF - project entitled "Radiotracer-Based Analysis of Hydraulic Behaviour in Constructed Wetlands for Wastewater Treatment" funded by Board of Nuclear Sciences

Applications are invited from suitable candidates for **Junior Research Fellow (JRF) position** to work on the abovementioned project sponsored by Board of Nuclear Sciences under the supervision of **Prof. Srikanth Mutnuri**, Department of Biological Sciences, BITS-Pilani, K K Birla Goa campus, Goa and Dr Sunil Goswami Board of Nuclear Sciences.

### Project Details:

- **Principal Investigator:** Prof. Srikanth Mutnuri, BITS Pilani, K K Birla Goa Campus
- **Project Collaborator:** Dr Sunil Goswami, Bhabha Atomic Research Centre
- **Project Title:** " Radiotracer-Based Analysis of Hydraulic Behaviour in Constructed Wetlands for Wastewater Treatment "
- **Funding Agency:** Board of Research in Nuclear sciences (BRNS)
- **Duration:** 3 years

**Project Summary:** The project aims to develop and apply radiotracer-based methodologies to study the hydraulic behaviour and flow dynamics in Constructed Wetlands (CWs) used for wastewater treatment. It focuses on generating accurate Residence Time Distribution (RTD) data using radioactive tracers to identify inefficiencies like short-circuiting and dead zones, and to optimize CW design and performance.

**Project position:** JRF

**Fellowship amount:** as per DST norms

**Eligibility requirements:** M.Sc / M.Tech./M.E. in Biotechnology/ Life Sciences with first division Candidates **must have** cleared CSIR NET / UGC NET / DBT JRF BET.

Interested candidates with the above mentioned qualification can send their applications and CV by **10<sup>th</sup> June 2026**, to the Principal Investigator, by email [srikanth@goa.bits-pilani.ac.in](mailto:srikanth@goa.bits-pilani.ac.in). Please note that only short-listed candidates will be called for online interview in the third week of June 2026.

Regards

*M. Srikanth*



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