



BITS Pilani
Dubai Campus

Ph.D. position under BITS-CDRF (Cross-Disciplinary Research) funded project

Applications are invited for ONE position of Research Fellow for the following project.



Deadline: 5.12.2023



Duration: 3-4 years

Fellowship: AED2500
per month

BITS Pilani, Dubai Campus, Dubai, U.A.E. **Additional Benefit: Concession in hostel fees**

Title: Textile Industry Wastewater Treatment by Moving Bed Biofilm Bioreactor and Photocatalysis

Supervisors: Prof. Prakash Kumar (BITS Dubai - Chemical), Prof. Vincent Shantha Kumar (BITS Dubai - Mechanical) and Prof. Srikanth Mutnuri (BITS Goa – Biological Science)

This position is applicable only to those who aspire to do Ph.D. full time (2 years in Dubai + 1 year in Goa campus). The candidates can obtain the eligibility criteria from:

<https://www.bits-dubai.ac.ae/admissions/phd/>

Scope of work

- To synthesize a range of photocatalysts based on nanoparticles and metallic glass to facilitate the degradation of dyes found in wastewater from the textile industry
- To utilize a moving bed biofilm reactor for the purpose of wastewater treatment.
- Scientific investigations to assess treatment performance and ensure the validation of systems under real-world process conditions at the demonstration plant.

Essential Qualification

Master's Degree in Engineering [Chemical/ Mechanical or Biological Science] OR Bachelor's Degree with research experience

Desirable Qualification / Skills

Knowledge in Photocatalysis Mechanism, Chemical Engineering Modelling and Simulation, Experimental and Material Characterization Techniques.

Application Process

Please apply with CV and Cover letter (showing alignment and justification with the roles/responsibilities/requirements).

Contact Email:

prakash@dubai.bits-pilani.ac.in
vincent@dubai.bits-pilani.ac.in

Preliminary shortlisting will be based on resume and telephonic/audio-visual interview within a week of last date of application. For final interview, the candidate will be informed through e-mail for interview. The shortlisted candidates may have to join the institute in January, 2024.



Prof. Prakash Kumar B.G



Dr. Vincent Shantha Kumar

Know more:

