



PhD Application [Cross Disciplinary Research Funded Project, Dubai Campus]

Applications are invited for **ONE** position of PhD Scholar on a project, “**Integrated PFAS Removal and Retentate Treatment Using Soft-Sensor- Enabled Membrane Systems**”

Supervisors: **Prof. Murchana Changmai** (BITS Pilani, Dubai - Chemical Engineering)

Prof. R Swarnalatha (BITS Pilani, Dubai - Electrical and Electronics Engineering).

The candidate will be also mentored by cross-disciplinary faculty **Prof. J. Angel Arul Jyothi** (BITS Pilani, Dubai-Computer Science).

Deadline: 10th June 2026

Expected Date of Joining: Immediate

Deserving candidates can check the eligibility criteria and qualification process of the PhD program of BITS Pilani (<http://www.bitsadmission.com/phmain.aspx>).

Scope of work	Essential Qualification	Desirable Qualification
<ul style="list-style-type: none"> Development of Functional Composite Membranes and integration to advanced water treatment system for Emerging Contaminant Removal from Water Soft-Sensor Modelling and Performance Prediction in Integrated Electrochemical Treatment Systems Life Cycle and Sustainability Assessment of Integrated Water Treatment Processes 	<ul style="list-style-type: none"> M.E./M.Tech. or an equivalent Degree (a minimum of 60% aggregate) B.E./ Four year B.Sc /B.S (honors with research) or an equivalent degree (a minimum of 60% aggregate) 	<ul style="list-style-type: none"> Any qualifying degree in Chemical Engineering AI/ML background and interest in sensors. Knowledge in Membrane preparation, Characterization techniques

Fellowship: 4000 AED per month

Duration: As per BITS Pilani norms (<https://admissions.bits-pilani.ac.in/>).

Place of work: BITS Pilani, Dubai Campus, Dubai, UAE

Additional Benefit: Concession in Hostel Fees

Application process: Please apply with **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) using this form

- Google Form **LINK:** <https://forms.gle/7evcjrGw6MwdoW8d9>
- Deadline: 10th June 2026

Preliminary shortlisting will be based on the applicant’s resume and a telephonic/audio-visual interview, to be conducted within one week from the last date of application. Shortlisted candidates will be informed via email regarding the interview details. The interview may be conducted either in person or online. No TA/DA will be provided for candidates attending the interview in person.

For further details, please contact:

Prof. Murchana Changmai

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