

Research Staff for EU-Horizon funded Research Project

WE ARE
HIRING

INDUSTRIAL WATER CIRCULARITY: REUSE, RESOURCE RECOVERY AND ENERGY EFFICIENCY FOR GREENER DIGITISED EU PROCESSES (RESURGENCE)

Project Manager (Post-doc)

No. of Positions: 01

> Qualification

PhD in Environmental Engineering/ Sciences from a HEC/ PEC recognized university or equivalent

> Experience:

1-3 years of experience in research & development of biological wastewater treatment processes and membrane bioreactors (MBRs). Good knowledge about wastewater treatment processes and technologies. Research experience during PhD will be considered. At least 2 publications as first author in peer reviewed international journals.


> Job Description

Detailed Engineering and Process Design of lab-scale/bench-scale Anaerobic Membrane Bioreactors (An-MBRs) integrated with forward osmosis (FO) and/or Membrane Distillation (MD) processes. Support PI in supervision of MS and PhD students, project management. and coordination with consortium EU Partners. Support in publications as co-author in peer-reviewed international publications.

For Duration of 12 Months

Project In-charge: Dr Sher Jamal Khan (Tenured Professor, SCEE (IESE))

 s.jamal@iese.nust.edu.pk

 Institute of Environmental Sciences & Technology,
National University of Sciences & Technology, Islamabad



Closing Date of Application: 22nd December 2024
Starting Date: 1st January 2025

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Research Assistants – (Category I)

No. of Positions: 02

> Qualification

Enrolled in PhD at NUST in a relevant degree program or master's degree in environmental sciences/engineering completed from a HEC/ PEC recognized university

> Experience:

Enrolled in PhD in Environmental Sciences/ Engineering or a relevant degree at NUST or MS qualified with 01-year research experience in Environmental Science, Engineering or Management positions.


> Job Discription

Lab-scale/Bench-scale Anaerobic Membrane Bioreactor (An-MBRs) design, fabrication and installation; start-up of An-MBRs followed by steady-state condition; biomass and wastewater characteristics pertinent to industrial wastewater; microbial consortia characterization; optimal operation in terms of treated effluent, biogas generation and heat/solute utilization and recovery.

For Duration of 12 Months

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Research Assistants – (Category II)

No.of Positions: 03

➤ Qualification

Enrolled in MS degree at NUST in Environmental Engineering/ Sciences or a relevant field

➤ Experience:

No experience required. MS students having minimum $\frac{3}{4}$ CGPA and coursework completed.


➤ Job Discription

Lab-scale/Bench-scale Anaerobic Membrane Bioreactor (An-MBRs) design, fabrication and installation; start-up of An-MBRs followed by steady-state condition; biomass and wastewater characteristics pertinent to industrial wastewater; optimal operation in terms of treated effluent, biogas generation and heat/solute utilization and recovery.

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