

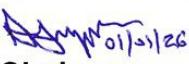
**NED University of Engineering and Technology  
Department of Environmental Engineering**

January 01, 2026

**NOTICE - POSTGRADUATE THESIS TOPICS**

As per University regulations, all postgraduate students (M.Engg./MEM) who have passed 12 credit hours of course work with minimum 3.0 CGPA can opt for thesis. The following THESIS topics are being offered by faculty members of the Department of Environmental Engineering for the Spring Semester 2026. Interested students can contact the respective supervisors via email to discuss further about the thesis.

S. No.	Name and contact details of supervisor	Title of thesis
1	Prof. Dr. Atif Mustafa (atifm@neduet.edu.pk)	<ul style="list-style-type: none"><li>• Emission and health impact assessment of broken road infrastructure: A case study of Karachi</li><li>• Nature based solution for carwash wastewater treatment and recycling</li></ul>
2	Prof. Dr. Mehmood Ali (mehmood@neduet.edu.pk)	<ul style="list-style-type: none"><li>• Transforming biomass into aviation fuel precursors (bio-oil) via mild torrefaction and catalytic pyrolysis</li></ul>
3	Prof. Dr. Sadia Khan (sadiakhan@neduet.edu.pk)	<ul style="list-style-type: none"><li>• Microplastic induced biofilm formation during water storage</li></ul>
4	Prof. Dr. Abdul Ghaffar (abdulghaffar@neduet.edu.pk)	<ul style="list-style-type: none"><li>• Satellite-based water quality monitoring using AI and machine learning with field validation</li><li>• Sustainable seawater desalination technologies integrated with renewable energy systems</li><li>• TCFD-Aligned climate risk assessment: Comparative data analysis and method standardization</li><li>• IFRS S1 and IFRS S2 Compliance framework for corporate sustainability reporting</li><li>• Carbon sequestration mapping and accounting for carbon credit generation</li></ul>

  
Chairman

- Display on notice board and departmental website