

April 16, 2021

**NOTICE - POSTGRADUATE THESIS TOPICS**

As per university regulations, all postgraduate students who have passed 12 credit hours of course work with minimum 2.75 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 2021. Interested students can send their CV's to the respective supervisors and contact them via email to discuss further about the thesis.

1. An assessment of electronic waste management in Karachi (Dr. Atif Mustafa; [atifm@neduet.edu.pk](mailto:atifm@neduet.edu.pk))
2. Application of IoT in environmental monitoring (Dr. Atif Mustafa; [atifm@neduet.edu.pk](mailto:atifm@neduet.edu.pk))
3. Assessment of nature-based solution for treating polluted water (Dr. Atif Mustafa; [atifm@neduet.edu.pk](mailto:atifm@neduet.edu.pk))
4. Purification of biodiesel by using low-cost adsorbents (Dr. Mehmood Ali; [mehmood@neduet.edu.pk](mailto:mehmood@neduet.edu.pk))
5. Biodiesel production from indigenous seed oils in Pakistan (Dr. Mehmood Ali; [mehmood@neduet.edu.pk](mailto:mehmood@neduet.edu.pk))
6. Gasoline-bioethanol blending to improve the SI engine performance and emission characteristics (Dr. Mehmood Ali; [mehmood@neduet.edu.pk](mailto:mehmood@neduet.edu.pk))
7. Gasification of municipal solid waste (MSW) (Dr. Mehmood Ali; [mehmood@neduet.edu.pk](mailto:mehmood@neduet.edu.pk))
8. Effectiveness of bio-waste for the removal of oil from sea water (Dr. Sadia Khan; [sadiakhan@neduet.edu.pk](mailto:sadiakhan@neduet.edu.pk))
9. Treatment of oil spills by microorganisms (Dr. Sadia Khan; [sadiakhan@neduet.edu.pk](mailto:sadiakhan@neduet.edu.pk))
10. Water quality assessment of RO plants established in the urban areas of Karachi (Dr. Abdul Ghaffar; [abdulghaffar@neduet.edu.pk](mailto:abdulghaffar@neduet.edu.pk))
11. Design and development of bio-sand filtration system for treatment of water (Dr. Abdul Ghaffar; [abdulghaffar@neduet.edu.pk](mailto:abdulghaffar@neduet.edu.pk))
12. Assessment of ambient air quality of metropolitan cities (Dr. Abdul Ghaffar; [abdulghaffar@neduet.edu.pk](mailto:abdulghaffar@neduet.edu.pk))

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