
Engr. Sajida Sheikh

*Assistant Professor,
Department of Materials Engineering,
NED University of Engineering and Technology,
University Road, 75270,
Karachi, Pakistan.
Email sajidasheikh@neduet.edu.pk*



Academic career

M.E (Materials Engineering) from NED University of Engineering & Technology Karachi Pakistan in 2016 with CGPA 3.5.

B.E (Materials Engineering) from NED University of Engineering & Technology, Karachi in 2011 with CGPA 4.7, 3rd position.



Teaching Experience

Assistant Professor in Materials Engineering Department of NED University of Engineering and Technology, Karachi (from 2019 to date).

Assistant Professor in Metallurgical Engineering Department of NED University of Engineering and Technology, Karachi (2018-2019).

Lecturer in Materials Engineering Department of NED University of Engineering and Technology, Karachi (from 2016 to 2018).

Visiting faculty in (IIEE) Department Institute of Industrial Electronics Engineering (from 2012- 2013).

MM-204: Engineering Ceramics and Refractory Materials

MM-409: Biomedical and Functional Materials

MM-303: Inspection and testing

MY-206: Furnaces And Refractories

MY-209: Metal Forming And Shaping Processes

MY-309: Steel Making Processes

MY-303: Foundry; Principles, Methods And Practices

MY-304: Metallurgy Of Welding

MY-413: Corrosion Engineering

MY-409: Metallurgical Plants and Quality Control

MM-201: Physical Metallurgy



Research Interest

Perovskites and tetragonal tungsten bronze ceramic oxides

Piezoelectric, dielectrics, and magnetic materials
Multiferroic materials
Corrosion analysis, prevention and protection



Research (BE & ME):

Development and characterization of carbon/glass fiber reinforced aluminum composite
Analysis of changes in morphology of human hair with different cosmetics use, by scanning electron microscope



Projects Supervised

Synthesis of ceramic oxides
Casting of aluminum anodes and corrosion analysis
Green synthesis of oxides



Collaborative Research

Working with Dr. Fayaz Hussain in different projects



Material Science Laboratory

Destructive and Nondestructive Testing Lab
Heat Treatment and Phase Transformation Lab (Furnaces)
Advance Material Characterization Lab (LCR, VSM, XRD,)
Optical Characterization Lab (UV-Vis spectrometer & spectroscopy)
Corrosion Engineering (Potentiostate)



Funded Projects

Rs. 03 Million for PhD Project under supervision Dr. Fayaz Hussain
