

ZUBIA ANWER

Nationality: Pakistani **Place of birth:** Karachi **Phone:** (+92) 0333288099

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[zubia anwer - Google Scholar](#)

 **Work:** Department of Metallurgical Engineering, NED University of Engineering & Technology, 75270 Karachi (Pakistan)

WORK EXPERIENCE

NED University of Engineering & Technology – Karachi, Pakistan

City: Karachi | **Country:** Pakistan

Assistant Professor

[22 Oct 2022 – Current]

Theory and Practical Course Teacher of core engineering courses include Metallurgical Thermodynamics and Kinetics and Mineral Processing.

Supervising Final Year Design Projects.

Class Advisor for Second Year.

In charge of Optical Microscopy Lab.

NED University of Engineering & Technology – Karachi, Pakistan

City: Karachi | **Country:** Pakistan

Engineering lecturer

[Feb 2016 – Oct 2022]

NED Approved PhD Supervisor- From Dec 2025

EDUCATION AND TRAINING

Doctor of Philosophy - PhD, Materials Engineering

NED University of Engineering & Technology [2 Nov 2018 – 1 Oct 2022]

City: Karachi | **Country:** Pakistan | **Website:** <https://www.neduet.edu.pk/>

Master's degree, Materials Engineering

NED University of Engineering & Technology [Jan 2015 – Dec 2017]

City: Karachi | **Country:** Pakistan | **Website:** <https://www.neduet.edu.pk>

Bachelor of Engineering - BE, Metallurgical Engineering

NED University of Engineering & Technology [Jan 2009 – Dec 2013]

City: Karachi | **Country:** Pakistan | **Website:** <https://www.neduet.edu.pk>

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

SKILLS

Research / student counseling / Organizational and planning skills

PUBLICATIONS

[2025]

Experimental Validation and CALPHAD Modeling of Al–Si Coatings Under Oxidizing and Corrosive Conditions

Authors: Zubia Anwer, Ali Dad Chandio, Muhammad Kamran Bhatti, Muhammad Fahad Riaz, Jahanzeb Bhatti | **Journal Name:** Materials and Corrosion

[2024]

Green synthesis of active Fe₂O₃ nanoparticles using Aloebabadensis and Camellia sinensis for efficient degradation of malachite green and Congo red dye.

Authors: Anwer, Zubia., Jamali, A.R., Khan, W. et al. | **Journal Name:** Biomass Conversion and Biorefinery

[2022]

Deposition of Aluminide Coatings onto AISI304L Steel for High Temperature Applications

Authors: Anwer, Zubia, Muhammad Tufail, and Ali Dad Chandio | **Journal Name:** Materials | **Volume, Issue and Pages:** 15, no. 12: 4184

[2020]

Mechanical & microstructural evaluation of reversible and irreversible embrittlement in ultra-high strength steel. Lightweight Materials and Manufactures

Authors: Sami, M., Younus, H., Anwer, Z., et.al. | **Journal Name:** Lightweight Materials and Manufactures

[2017]

Plasmonic Effect of Gold Nanoparticles Surrounded by Multidielectric Matrices

Authors: Abdul Rauf Jamali, Ali Dad Chandio, Waseem Khan, Zubia Anwer, Imtiaz Ali Soomro | **Journal Name:** Mehran University Research Journal of Engineering & Technolog