Dr. Zubia Anwer

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Summary

I am working in the NED University of Engineering & Technology setting as an Associate Professor in the Department of Metallurgical Engineering, educating students on a variety of matters about engineering and their society.
• Supervisor of many student groups in the final year on different topics including surface engineering, Phase Transformations, and Metallurgical thermodynamics.
• The research area and interest in Computational Material Science and Surface Engineering.
• The course teacher of Metallurgical Thermodynamics & Kinetics, and Mineral Processing for both theory and practical.
• The lab in charge of a well-equipped Optical Microscopy Laboratory.

Research Publications

1) Anwer, Zubia, Muhammad Tufail, and Ali Dad Chandio. 2022. "Deposition of Aluminide Coatings onto AISI304L Steel for High Temperature Applications" Materials 15, no. 12: 4184. https://doi.org/10.3390/ma15124184

2) Anwer, Zubia., Jamali, A.R., Khan, W. et al. Green synthesis of active Fe2O3 nanoparticles using Aloebarbadensis and Camellia sinensis for efficient degradation of malachite green and Congo red dye. BiomassConv. Bioref. (2022). https://doi.org/10.1007/s13399-022-03626-3

3) Sami, M., Younus, H., Anwer, Z., et.al. Mechanical & microstructural evaluation of reversible and irreversible embrittlement in ultra-high-strength steel. Lightweight Materials and Manufactures (2020). https://doi.org/10.1016/j.ijlmm.2020.02.003

4) Jamali, A.R., Khan, W., Chandio, A.D., Anwer, Z., et.al. Effect of Cryogenic Treatment on MechanicalProperties of AISI 4340 and AISI 4140 Steel. Mehran University Research Journal of Engineering & Technology(2018). https://doi.org/10.22581/muet1982.1903.18

Experience

Assistant Professor
NED University of Engineering and Technology
Oct 2022 - Present (1 year 8 months)

University Lecturer
NED University of Engineering and Technology
Feb 2016 - Oct 2022 (6 years 9 months)

Education

NED University of Engineering and Technology
Doctor of Philosophy - PhD, Materials Engineering

Nov 2018 - Oct 2022
Doctorate degree in Materials Engineering with specialization in Surface Engineering and High Temperature Materials.

NED University of Engineering and Technology
Master's degree, Materials Engineering
Jan 2015 - Dec 2017

NED University of Engineering and Technology
Bachelor of Engineering - BE, Metallurgical Engineering
Jan 2009 - Dec 2013

Licenses & Certifications

Faculty Development Program - ISO

Resource Sharing for Optimum use and Benefits - ISO

Skills

Metallurgical Thermodynamics & Kinetics • Technical Support • Teaching • Research

Honors & Awards

3rd Position holder in B.E (Metallurgical Engineering), NEDUET, 2014
Feb 2014

Head of Metallurgical Engineering Society (Jan 2019)
Jan 2019

Head of Metallurgical Engineering Society (Jan 2020)
Jan 2020

Head of Metallurgical Engineering society (Jan 2021)
Jan 2021