Dr. Faaz Ahmed Butt
Assistant Professor
Materials Engineering department
NED University of engineering and technology
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Education

PhD (Materials Science and Engineering)	KOC University,	Turkey	October 2019
M.Engg. (Materials Engineering)	NED University of Engg. and Tech.	Pakistan	January 2015
B.E. (Metallurgical Engineering)	NED University of Engg. and Tech.	Pakistan	December 2011

Professional Career

Lecture- Materials Engineering Department- April 2012 to November 2019
Assistant Professor- Materials Engineering Department- November 2019 till date.

Current responsibilities

1. Teaching courses at undergrad level.
2. Lab Incharge- Metallography lab
3. Supervising various graduate and undergraduate level projects.

Grants

NED SEED fund PKR 1Million approved for hydrogen evolution reaction study on noble metal surfaces (Approved June 2020).

Honors

Recipient of competitive PhD scholarship under Faculty development program by HEC in September 2015 for four years to pursue doctoral studies at KOC University, Turkey.

Research focus

1. Nanomaterials- nanowires, and applications.
2. Hydrogen/oxygen evolution, CO2 reduction.

Publications and conferences

1. *Conference*-**F.A. Butt**, M.S. Hanif, S.A. Asgher, D. Majeed, "Synthesis of metal sulfides (Cu and Ni sulfide) for hydrogen evolution reaction (HER) and carbon dioxide reduction (CO2R)", NEDAMPE, Karachi, 2019.

2. *Conference*-S.A. Asgher, **F.A. Butt**, D. Majeed, M.S. Hanif, "Synthesis and characterisation of silica nanoparticles for energy applications", NEDAMPE, Karachi, 2019.

3. *Conference Presentation*- C.Y. Akkaya, **F.A. Butt**, D. Gulensoy, U. Unal, , "Photocatalytic CO_2 reduction using layered niobates", NANOTR13, Antalya, Turkey, 2017.

4. *Poster Presentation*-C.Yilmaz, **F.A.Butt**, D. Gulensoy, U. Unal, "Niobate nanosheets for efficient CO_2 photoreduction into solar fuels", KUTEM ENERGY DAY, Istanbul, Turkey, 2017.

5. *Journal Paper*-**F.A. Butt**, S.M. Jafri, “Effect of nucleating agents and stabilisers on the synthesis of Iron-Oxide Nanoparticles-XRD analysis”, Advances in Nanoscience, Techno-Press, 2015.

6. *Book*-Dental Biomaterials: Principles and Applications, (ISBN: 978-969- 494-935-2) Contributions in Two chapters as main author

a. Chapter 2: Characterisation of biomaterials in relation to dentistry.
b. Chapter 6: Application of metals and alloys in dentistry.