

DR. FAAZ AHMED BUTT

PhD-Materials(KOC University, Turkey), M.E.-Materials(NED UET)

Area of Interest: Electro-photo- thermal Catalysis, CO₂ reduction, water splitting and ammonia with a focus on solutions for energy and climate issues.

faazbutt(-at)neduet.edu.pk, 09221-99261261 ext-2388

Education

PhD	Materials	KOC University	Turkey
M.E.	Materials	NED UET	Pakistan
B.E.	Metallurgy	NED UET	Pakistan

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 CO₂ reduction using layered niobates”, NANOTR13, Antalya, Turkey, 2017.
4. *Poster Presentation-C.Yilmaz, F.A.Butt*, D. Gulensoy, U. Unal, “Niobate nanosheets for efficient CO₂ 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.

Honours

1. Recipient of HEC, Pakistan scholarship to pursue PhD studies on Faculty Development Program.

Course Instructor

1. Phase transformation in Metals and alloys- MM-404 (Fall-2019)
2. Nanomaterials and nanotechnology- MM-411 (Fall-2019)