

Engr. Muhammad Muteeb Butt

Lab Engineer (Department of Materials Science and Engineering)

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Education

- MS (2020): Materials Science and Engineering, Institute of Space Technology (IST), Islamabad. Thesis title: Development of Iron Oxides-Based Nanocomposites for Enhanced Photocatalytic Activity.
- B.Sc. (2016): Metallurgical and Materials Engineering, University of Engineering and Technology (UET), Lahore. Thesis title: Synthesis and Characterization of Rice Husk Ash (RHA)-Araldite Epoxy Composites.

Experience

- July 2021 to date working as Lab Engineer in the Department of Materials Science and Engineering, PAF-IAST, Mang, Haripur, Khyber Pakhtunkhwa.
- January, 2021 to July 2021, worked as Project Lead Engineer in QA/QC Department, Velosi Integrity and Safety Pakistan. Worked on multiple projects related to Welding Inspections, Radiography, On-Site Metallography, Welding Procedure Qualification, API related Inspections, Inspection during fabrication of different equipment.
- September, 2017 to December 2020, worked as Inspection Engineer in Failure Analysis Center, Institute of Space Technology, Islamabad. Worked on more than 30 industrial projects related to Root Cause Failure Analysis (RCFA), On-Site Metallography, Health Assessment of Plants, Reverse Engineering, Material Characterization and Management of Short Courses.
- August, 2016 to April 2017, worked as Development Engineer in Development and Maintenance Department, AJR Metal Fabricators. Worked on development and maintenance of forging dies, punches and machines. Team management for timely completion of tasks.

Projects & Awards

- NA

Patent & Publications

Two (02) International Publications in ISI indexed journals, impact factor of **4.34**, citations **09**:

- **Outlining the beneficial photocatalytic effect of ZnS deposition in simplistically developed iron oxide nanocomposites of different stoichiometry.** Butt, Muhammad Muteeb, Talha Farooq Khan et al. Applied Physics A. 2021; <https://doi.org/10.1007/s00339-021-04401-3> (Impact: 2.58).
- **Conjunction of macroporosity and NH₄F treatment for improved performance of TiO₂ photoanode in quantum-dot sensitized solar cells.** Basit, Muhammad Abdul, Muhammad Muteeb Butt, Madiha Nazir et al. Journal of Materials Science: Materials in Electronics. 2019; <https://doi.org/10.1007/s10854-018-0458-2> (Impact: 2.19).