

Talha Naseer

Metallurgical and Materials Engineer

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Objective:

Innovative and goal-oriented Engineer with a bachelor's degree in **Metallurgical & Materials Engineering** looking for an opportunity in a reputed organization that will help me to deliver my best, and upgrade my skills in Engineering or relevant organizations. I have an aptitude to work in such environment where is learning and problem-solving techniques.

Education:

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|--|---|-----------|
| • B.E Metallurgical & Materials Engineering | UET, Lahore | 2019-2023 |
| • FSc Pre-engineering | Aspire group of colleges, Burewala | 2017-2019 |
| • Matriculation | Govt. higher secondary school, Chak#142/EB, | |
| Burewala | | 2015-2017 |

Final year project:

Synthesis and characterization of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_2$ based thick films and bulk piezoceramic sintered at different temperatures

- Synthesis of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_2$ by solid state reaction
- Coating of the $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_2$ on Ni substrate by electrophoretic deposition (EPD)
- Formation of the bulk $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_2$ by conventional sintering
- Formation of the bulk $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_2$ by cold sintering
- Measuring mechanical properties by nano indenter
- Comparison of conventionally sintered and cold sintered $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_2$

Working Experience:

Job at Metalife aluminum Sundar Industrial Estate (October-Continue.)

- Casting of 6063 alloy, investigated its defects and impact on anodized aluminum extrusions
- Aluminum anodizing, analyzing parameters on quality of 6063-aluminum alloy billets
- Worked on investigation of white or grey streak defects and marks on anodized aluminum extrusion, preventive measurement and solving problem related to defects and field equipment

Internship at Qadcast Sundar Industrial Estate (June 01 – To June 30,2022)

- Surveyed all techniques and machinery working of pattern making and castings
- Analyzed working of cupula furnace and induction furnace
- Surveyed at fettling shop, finishing shop, heat treatment and welding
- Project in Line Balancing in foundry industry

Projects:

- Investigate the various Corrosion types in real Life
- Investigate the properties of composites made up of different fibers reinforcement
- Using Photolithography to Pattern Metal Surfaces

Skills:

Technical Skills

- Inspection and quality assurance of material
- Heat treatment of material
- Microstructure analysis of material
- Surface treatment

Software skills:

- Abaqus (Basic)
- MS office (Excel, Word, PowerPoint)
- SolidWorks
- Google (slides, sheets, drive) email

Languages:

- Urdu
- English (Good)
- Chinese (HSK1)

Interest:

- SolidWorks
- Exploring new ideas
- Content writing
- Social media

Reference:

Reference will be provided on demand.