

Welcome to KFUPM

Dr. Md Shajedul Hoque Thakur

Assistant Professor

Materials Science and Engineering Department

Affiliated with Interdisciplinary Research Center for Advanced Materials



Education:

PhD. from Rice University, Texas,
USA, 2024

Previous Institution:

University of Houston, USA
Postdoctoral Fellow,
2024 - 2025

Research Profile (SCOPUS):

Total Citations: **1,350**
Total Journal Publications: **16**
H-index: **11**

Professional Interests:

Additive Manufacturing, Sustainable Materials,
Machine Learning for Materials Science,
Multifunctional nanomaterials & nanocomposites,
and Multiscale Mechanics

About Dr. Thakur:

Dr. Shajed is known for his works at the intersection of additive manufacturing, high-performance composites, and data-driven design. His work pioneered the first 3D printing of wood using only its natural constituents, advanced bio-inspired architected metamaterials, such as origami-inspired damage-tolerant ceramics, and nanocomposite systems reinforced with graphene, carbon nanotubes, and carbon fibers. His research aims to accelerate the design and manufacturing of sustainable high-performance composites for construction, aerospace, energy applications, and beyond.