

Welcome to KFUPM

Dr. Md Tasbirul Islam

Assistant Professor

Department of Industrial and Systems Engineering

Affiliated with Interdisciplinary Research Center for Sustainable Energy Systems



Education:

PhD. in Engineering from
Macquarie University, Australia;
2020

Previous Institution:

King Fahd University of Petroleum &
Minerals, KSA; Post Doctoral Fellow;
2024-2026

Research Profile (SCOPUS):

Total Citations: 3,985
Total Journal Publications: 46
H-index: 26

Professional Interests:

Circular Economy & Sustainability Assessment;
Waste-to-Wealth; Industrial Decarbonization;
Life Cycle Assessment (LCA); Energy Policy

About Dr. Islam:

Dr. Islam's research focuses on the circular economy, sustainable resource and waste management, industrial decarbonization, and sustainable supply chains. His work applies life cycle assessment, material flow analysis, techno-economic analysis, statistical modelling and forecasting, systems modelling, and optimization to address sustainability and resource-efficiency challenges. Prior to joining KFUPM, he held research positions at RMIT University, Melbourne and UNSW Sydney, Australia, where he worked on the circular business models, electronics and plastic waste management. He has been recognized among the World's Top 2% Scientists by Stanford University for two consecutive years (2024 and 2025). He serves as an editorial board member of Resources, Conservation & Recycling Advances.