

Welcome to KFUPM

Dr. Md Abdullah Al-Mamun

Associate Professor

Civil and Environmental Engineering

Affiliated with Interdisciplinary Research Center for Membrane and Water Security



Education:

PhD. from National University of Singapore, Singapore, 2011

Previous Institution:

Sultan Qaboos University, Oman, Associate Professor, 2020 – 2025

Research Profile (SCOPUS):

Total Citations: **2,762**

Total Journal Publications: **80**

H-index: **33**

Professional Interests:

Underground Mining, Mine Design, Rock Fragmentation, Destress Blasting, Backfill, Mine Safety, Numerical Modeling, Rock Support, and Tunneling

About Dr. Al-Mamun:

Dr. Al-Mamun is widely known for pioneering microbial desalination cell technology (MDC), Microbial electrosynthesis (MES) and Electrochemical assisted anaerobic digestion. These systems are well known for recovering electrical energy, freshwater and value added chemicals from the organic wastes and CO₂ sequestration. He has some other projects on AI application for air pollution modeling and coastal pollution mitigation.