

Welcome to KFUPM

Dr. Ammar Dehwah

Assistant Professor

Architectural Engineering and Construction Management

Affiliated with Interdisciplinary Research Center for Construction and Building Materials



Education:

PhD in Architectural Engineering,
University of Colorado Boulder,
USA, 2022

Previous Employer:

Pacific Northwest National Laboratory, USA
Building Energy Research Engineer,
2022 - 2025

Research Profile (SCOPUS):

Total Citations: **490**

Total Journal Publications: **20**

H-index: **13**

Professional Interests:

Building Energy Performance, Adaptive
Envelope Systems, Renewable Energy-
Integration in Buildings, Building Energy
Modeling, Occupant-Centric Building Controls

About Dr. Dehwah:

Dr. Dehwah brings experience in both research and applied projects in the built environment, with an emphasis on improving energy efficiency, thermal comfort, cost-effectiveness, and environmental performance in both new and existing buildings. His work centers on adaptive envelope systems as part of grid-interactive efficient building strategies, renewable energy integration, building energy modeling and workflows and performance-based analysis of building design and operation, with contributions published in leading peer-reviewed journals and international conferences.