

Welcome to KFUPM

Dr. Mouatassim Charai

Assistant Professor

Architectural Engineering and Construction Management

Affiliated with Interdisciplinary Research Center for Construction and Building Materials



Education:

PhD. in Thermal and Building Engineering from University Paris-Est Créteil, France; 2021

Previous Institution:

Green Energy Park, Mohammed 6 Polytechnic University, Morocco; R&D&I Lead; 2022-2026

Research Profile (SCOPUS):

Total Citations: 1115

Total Journal Publications: 33

H-index: 20

Professional Interests:

Sustainable & Circular Construction Materials; Hygrothermal Performance; Bioclimatic Design; By-product Valorization

About Dr. Charai:

Dr. Charai is an expert in the development of multifunctional construction materials, with a focus on bio-based and circular composites. He led multidisciplinary R&D&I projects with leading industrial partners to develop advanced building materials and valorize waste streams. His work covers the full innovation chain, from raw-material identification and characterization to formulation, process and product optimization, and performance assessment at Lab. and building scales, with the ultimate goal of translating research outcomes into market-ready construction solutions.