

الملتقي الدولي الأول حول التحديات الحديثة
في الهندسة المدنية والاستدامة البيئية

الجلفة، الجزائر | 10-11 دیسمبر 2025

C E R T I F I C A T E O F P A R T I C I P A T I O N

This to certify that:

Hamza Laoui

Affiliation: University of Bordj Bou Arreridj and LDGM University of M'sila

Has successfully presented a paper entitled:

Plaster-Based Lightweight Mortars with Expanded Perlite for Sustainable Energy Efficiency

Co-Authored by:

Abdelaziz Meddah, Madani Bederina

At The First International Conference on Recent Challenges in Civil Engineering and Environmental Sustainability

ICRCCEES'25 | December 10-11, 2025

General Chair of the Conference

Dr Douara Taha Hocine

General Chair



CP_056_121_2025

