

1st National Seminar on Structural Mechanics and Materials (SNMSM'25)
October 29-30th, 2025



University Mohamed Boudiaf of M'Sila
Faculty of Technology
Mechanical Engineering Department



CERTIFICATE Of PARTICIPATION

This Certificate is awarded to :

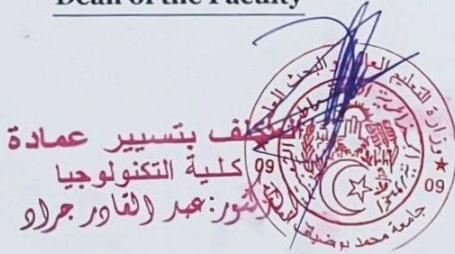
Khalil Zouaoui

For the **ORAL** presentation of the paper entitled : ***Energy Absorption Performance of 3D-Printed PLA and PLA/Flax Sandwich Cores with Optimized Geometries***

Authors: ***Khalil ZOUAOUI, Mohamed-Saïd CHEBBAH and Salah AMROUNE***

at the 1st National Seminar on Structural Mechanics and Materials (SNMSM'25), held at M'Sila University-Algeria, on October 29-30th 2025.

Dean of the Faculty



Conference Chair

Dr. Cherif SAIB

