

Mustapha Stambouli University of
Mascara



جامعة مصطفى اسطمبولي
معسكر

Faculty of Science and Technology
Department of Mechanical Engineering
Quantum physics of matter and Mathematica modeling laboratory

THESIS

To obtain the Doctorate Degree in Mechanics

Speciality: Materials

Etude du comportement mécanique en rupture des composites

Presented by: Mr. Belkacem Mokhtar

Defended on 09/07/2025 at 10 PM

The jury composed of:

President	Mr. OULD CHIKH El Bahri	Pr	University of Mascara
Supervisor	Mr BOUZIANE Mohammed Mokhtar	Pr	University of Saida
co-supervisor	Mr. ZAIM ABDELNOUR	Dr	University of Mascara
Examiner	Mr. MERAD LAARJ	Pr	University of Tlemcen
Examiner	Mr. MEDEBBER Mohamed Amine	Dr	University of Mascara
Examiner	Mr. BENTAHAR Mohamed	Dr	University of Saida