# الجمهورية الجزائرية الديمقراطية الشعبية People's Democratic Republic of Algeria والبحث العلمي وزارة التعليم العالي

#### Ministry of higher education and scientific research

## 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

**College year : 2024 – 2025**