

جامعة الشهيد حمَّه لخضر - الوادي Université Echahid Hamma Lakhdar - El-Oued **People's Democratic Republic of Algeria**

Ministry of Higher Education and Scientific Research

University of Echahid Hamma Lakhdar, El-Oued

Faculty of Exacts Sciences



The first national Seminar on Green Chemistry and Natural Products (GCNP'22)

CERTIFICATE OF PARTICIPATION

This Certifies That

Boukhari Ammar

Presented a **poster** communication at the First national Seminar on Green Chemistry and Natural **Products** (GCNP'22), organized from March 14-15, 2022 at the University of Echahid Hamma Lakhdar, El-Oued, entitled:

Structural, electronic, optical and elastic properties of pure ZnO material using first-principles calculation

Co-author (s): Amari Rabie , Benrezgua Elhadj , Deghfel Bahri

