



People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University of Ahmed Draia - Adrar  
Faculty of Natural and Life Sciences  
Departement of Agronomic and Biotechnology



# CERTIFICAT DE PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO:

## BOUNADJI SIHAM

has participated in the **First National Seminar on the Application of Biomaterials in the Environment (SNABE'2025)**, held at Adrar University on October 28-29, 2025, presenting a **Poster communication on Ligne**  
entitled:

**Impact of biomolecules from *Euphorbia flavidicoma* (Euphorbiaceae) on the mortality of harmful insect *Blattella germanica* (Blattellidae)**

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**Conference Chairman**

Dr. CHERGHI Yamina  
Conference Chair



Adrar, October 30, 2025