



الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي والبحث العلمي  
People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research



University Mohammed Seddik Benyahia - Jijel  
Faculty of Nature and Life Sciences  
Department of Applied Microbiology and Food Sciences

جامعة محمد الصديق بن يحيى - جيجل  
كلية علوم الطبيعة والحياة  
قسم الميكروبيولوجيا التطبيقية وعلوم التغذية

**Thesis presented by**  
**Kamel BOUBAKRI**  
For the award of a **Doctorate in Science**  
**Specialization: Biological Sciences**  
**Option: Applied Microbiology**

**Title**

**Selection of multifunctional starters isolated  
from a traditional meat product: Multivariate  
screening study**

The defense is scheduled for November 27, 2025, at 4:00 p.m. at the Central Library (2<sup>nd</sup> floor), University of Jijel.

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