



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 و الحياة
قسم ميكروبيولوجيا التطبيقية و علوم
التغذية

Thesis

Realized by **Nadia ALIOUCHE**

In Fulfillment of the Requirements for the Degree of Doctor
In Biological Sciences

Doctorat 3rd cycle (LMD)

Option: Applied Microbiology

***In vivo* protective effect of probiotic bacteria, their
EPS, and their fermented dairy products against the
toxicity of non-steroidal anti-inflammatory drugs: the
case of ibuprofen**

The defense will take place on February 27th, 2025, at 16h on the second floor of the Central
Library at the University of Jijel

Examiners Committee

Chairman: Prof. Tayeb IDOUI	University Mohamed Seddik Benyahia-Jijel
Supervisor: Prof. Mohamed SIFOUR	University Mohamed Seddik Benyahia-Jijel
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