



Peopel's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
University Mohamed Boudiaf M'Sila



**City, Environment, Hydraulics
and Sustainable Development Laboratory**

Certificate of Participation



The Chairman of the Scientific Committee of the International seminar on Natural Risks,
Urban Territory Management and Analysis Tools "The Advantages of Artificial Intelligence"
held at Mohamed Boudiaf University, M'Sila, on December 16, 17 and 18, 2024,

testifies that **Lakhdar SERAICHE**

participated in the activities of the seminar with a communication entitled:

Classification et cartographie de la qualité des eaux souterraines au sud du Chott Hodna (Algérie)

Co-author: Messaoud GHODBANE , Mostafa Dougha , Tahar Selmane



President of the Seminar

مدير المخبر
الأستاذ : رجب علي

Chairman of the Scientific Committee