



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 **Mourad GUESRI**

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

Assessing the Effectiveness of 1D Hydraulic Models in Flood Protection: A Case Study of Wadi K'sob

Co-author: Mahmoud HASBAIA, Dalila BEDDAL



President of the seminar

مدير المخبر
الأستاذ: رجب علي

Chairman of the Scientific Committee

داليا بدال