



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 **Maria Bouchiba**

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

**L'effet de l'ajout de déchets plastiques sur la durabilité, la maniabilité et la résistance
des bétons pour des applications dans le domaine de la construction**

Co-author: Salih Mekideche , Saib Cherif , Mansour Rokbi

President of the seminar

Chairman of the Scientific Committee



مدير المختبر
الأستاذ: رجم علي

محمود حبيبانية