



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,

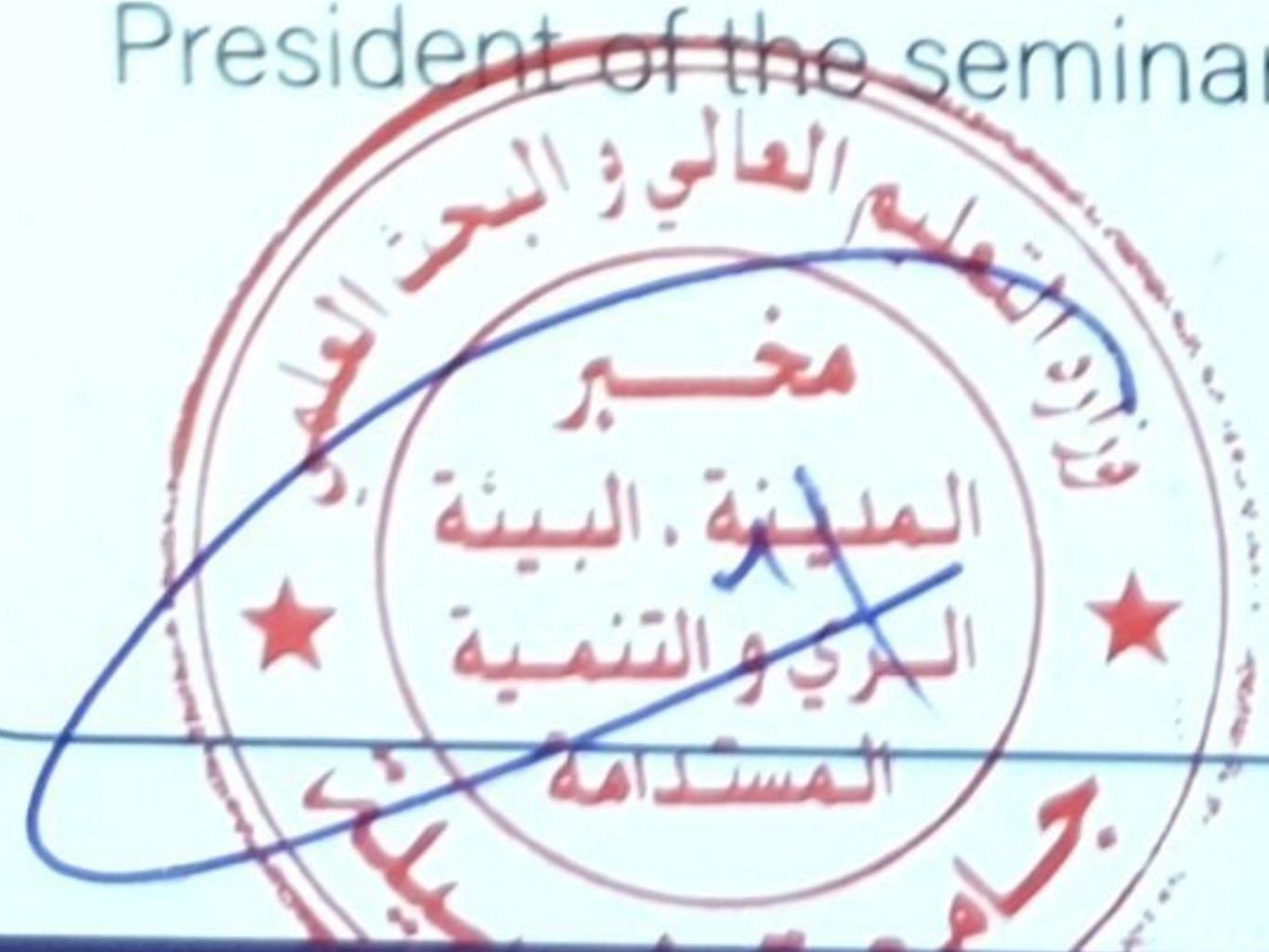
testifies that **Assoule Dechaicha**

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

Uncontrolled urbanisation and climate risks: identification of the Urban Heat Island using remote sensing and GIS. Case study of the Guelma City

Co-author: Adel Daikh , Mohamed Cheraitia . Djamel Alkama

President of the seminar



Chairman of the Scientific Committee

مدير المخبر
الأستاذ: رجم علي