



PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA MINISTRY
OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
UNIVERSITY CENTER OF TIPAZA MORSLI ABDELLAH



1st International Seminar on Mechatronics Innovation Materials, Renewable Energy, and Artificial Intelligence
(ISMIMREAI'24), November 16-17, 2024, Tipaza, Algeria

Certificate Of Participation

The Chairwoman Of The ISMIMREAI'24 Certifies That ;

Ammi Hadjer

Has Presented a **Poster** Communication , Entitled :
**Structural and Electronic Properties Analysis of Cs_2XBr_6 (X=Ge and Si) Perovskite Compounds
for Photovoltaic Applications**

Co-authors : Charifi Zoulikha, Baaziz Hakim and Ghellab Torkia



Director Of Institute



General Chair

1st International Seminar on
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Intelligence (ISMIMREAI'24)
Chairman: Dr. Megdoud Yousra

Scientific Committee Chair

Dr. Bourahla Nassima
Associate Professor