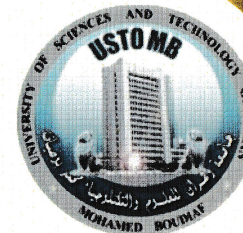


University of Sciences and Technology of Oran- Mohamed Boudiaf  
Faculty of Physics  
The International Conference on Materials Physics and Fluids  
**ICMPF-2024**

USTO-MB Oran, Algeria, 27 - 29 November 2024



# CERTIFICATE OF PARTICIPATION



The organizing committee of the ICMPF-2024 certifies that

**Dr.ZIANE Mohamed Issam**

From Higher School of Electrical and Energetic Engineering of Oran (ESGEE), Algeria  
has presented the paper referenced bellow as **Poster** presentation in the ICMPF-2024

**Title: Investigating Structural Factors: Substitution of Ge and Se in  $\text{Cu}_2\text{ZnSnS}_4$  Solar Cell Material**

**Co-author (s) : Moufdi HADJAB, Hamza BENNACER**



**DATE: November 29, 2024**

*Chairmen of the Conference ICMPF-2024*

*Prof. Mohamed Esseghir FERHAT*

*Prof. Hocine ALLA*

