



Setif 1 University-Ferhat ABBAS, ALGERIA  
Faculty of Technology  
Department of Processes Engineering  
The Second International Conference on Electrochemical Sciences and Technology



## Certificate of Participation "ICEST 2024"

This is to certify that

**Karim BOUFERRACHE**

has successfully participated in the

*The 2<sup>nd</sup> International Conference on Electrochemical, Sciences and Technology (ICEST 2024)*

*Held from May 7 to 9, 2024, at Sétif1 University-Ferhat ABBAS, Algeria.*

With a poster entitled

**Exploring the Optoelectronic, Thermal, and Thermoelectric Characteristics of Double Perovskite Semiconductors  $\text{Cs}_2\text{XI}_6$  ( $\text{X} = (\text{Sn}, \text{Pt}, \text{Te})$ ) for Potential Application in Intermediate-band Solar Cells."**

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Scientific committee Chair  
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Organizing committee Chair  
Dr. Nadjib CHAFAI