



*1<sup>st</sup> International Conference on Physico-chemistry,  
Materials Sciences & Applied Mathematics  
(ICPMSAM'23)*

(N°505326)

**CERTIFICATE OF ATTENDANCE**

*This Certificate that, **DARENFAD Warda***

*Has attended the conference on November 27-28, 2023 with the Poster presentation  
entitled: A Comparative study on the physical properties of Co3O4 and CuO thin  
films as solar absorber  
as the main author of this work.*

*Co-authors are respectively: Guernat nobeil, Mironh kamel, Nezzari younes, Merah rayene*

*Chairman of the Conference*

CONFERENCE  
Dr. BOUATROUS Mehieddine

