

People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University of Mohamed Khider Biskra  
Faculty of Sciences and Technology  
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## CERTIFICATE OF PARTICIPATION

This to certify that:

*Abdelkader MOHAMMEDI*

Has participated at the  
1<sup>ST</sup> National Conference on Materials, Energy & Environment  
November 23 - 24, 2022 Biskra, Algeria

With an **Oral** presentation entitled :

**Effect of doping Co-Cu co-doped ZnO on the structural and optical properties  
prepared by the spin-coating method**

Co-author (s):

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GARCIA

NCMEE2022

Conference Chairman

Dr. Adaika Kaitoun

رئيس الملتقى  
د/عدانكة كيتون

