



PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
UNIVERSITY OF KASDI MERBAH OUARGLA
FACULTY OF MATHEMATICS AND MATTER SCIENCES

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1st International Conference on Sustainable Energy and Advanced Materials
IC-SEAM'21 April 21-22, 2021, Ouargla, ALGERIA (Virtual conference)

CERTIFICATE OF PARTICIPATION

The organizing committee of the first International Conference on Sustainable Energy and Advanced Materials
IC-SEAM'21 April 21-22, 2021, Ouargla, ALGERIA, certifies that:

Abdelhafid Mahroug

presented a Poster communication entitled:

Synthesis and Characterization of ZnO/CuONanostructures thin films by sol gel technique

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Dean of the Faculty
Pr/ Djamel BECHKI

