



Department of Science Physics in cooperation
with the Laboratory of Mathematics and
Applied Physics



The 1st National Conference on Physics and it's Applications

THIS IS TO CERTIFY THAT

SARA SADEDDINE

Has made **Poster** presentation Titled:

“ Solvothermal Synthesis and Characterization of Undoped and Cu-Doped ZnO Nanoparticles: Structural and Elemental Analysis ”

In this national conference held at Higher Normal School of Bousaada, Algeria,
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Co-author. **Samir HAMRIT, Hanane CHENAGUE, Abdelhafid MAHMOUD.**



General Chair of NCPA2023

Chair of NCPA 2023
Dr. AKKA Ali