



People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
University of Mohamed El Bachir El Ibrahimi - Bordj Bou Arreridj - Algeria Faculty of
Sciences and Technology
Department of Matter Sciences
Laboratory of Materials Physics, Radiation and Nanostructures



CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

BELHOUL Hamoudi

has participated in the national seminar entitled :

"2nd NATIONAL SEMINAR OF PHYSICS, CHEMISTRY AND THEIR APPLICATIONS (NSPCA'25)"
which has been held in the Faculty of Sciences and Technology, UNIVERSITY OF MOHAMED EL BACHIR
EL IBRAHIMI of Bordj Bou Arreridj, Algeria, February 17th-18th, 2025.

Paper Title: Potential of PMMA/ZnO-NPs as Cost-effective, Thermally Stable and Efficient Photocatalysts for Water Treatment

Presentation Type: Poster

Co-Authors: Smail Terchi, Lamya Meftah, Bahri Deghjel, Layachi Djedoui, Issam Ziari, Riad Bouchama, Abdoulouhab Belalmi and Rebai
Khaili



Chairman of NSPCA'25
Dr. Samir AMAMRA

NSPCA'25 CHAIRMAN

SAMRA AMAMRA



HEAD OF THE LABORATORY

ABDELHALIM KAHOU