

University Mohamed El Bachir El IBRAHIMI of Bordj Bou Arreridj Faculty of Sciences and Technology



Department of Matter Sciences

Laboratory of Materials Physics, Radiation and Nanostructures

Certificate of Participation

This is to certify that

Warda Darenfad

Has participated in the National Seminar of Physics, Chemistry, and Their Applications webinar (NSPCA'23) which has been held in the Faculty of sciences and technology, University Mohamed El Bachir El Ibrahimi of Bordj Bou Arreridj, Algeria. March 6th–7th 2023 and have given the following Poster presentation:

Influence of divalent metals (Ni, Cu and Mg) on the physical properties of spinel Co₃O₄ thin films

With co-authors: Noubeil Guermat, Kamel Mirouh

