



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

Karim BOUFERRACHE

Has made **Poster** presentation Titled:

**" The structural properties, optoelectronic characteristics and magnetic behaviour of CoFeMtAs
quaternary Heusler alloys (Mt standing for Mn, Cr and V) "**

In this national conference held at Higher Normal School of Bousaada, Algeria,

(NCPA2023) 02 December 2023

Co-author. **M. A. GHEBOULI.**



General Chair of NCPA2023

Chair of NCPA 2023
Dr. AKKA Ali