

University of Relizane  
Faculty of Science and Technology  
Civil Engineering Department



## *Certificate of Participation*

In technical presentation, recognition and appreciation of research contributions to  
***International Seminar on Materials and Engineering Structures (ISMES'2024)***  
to be  
Held in RELIZANE, ALGERIA, during **October, 26-27, 2024.**

***Bougaa Samira***

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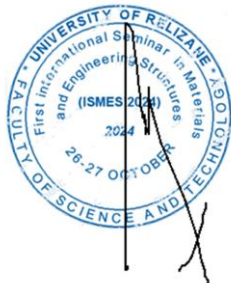
With the paper entitled:

**Optoelectronic investigation of ternary chalcopyrite semiconductors CdGeX<sub>2</sub> (X = P and As)**

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