

Certificate

We hereby certify that

Moufdi Hadjab

Faculty of Technology, Mohamed Boudiaf University
M'Sila, Algeria

has attended and presented the research referenced below, in the 2020 - 8th International Renewable and Sustainable Energy Conference (**IRSEC'20**), which is organized virtually via video conferencing application and broadcasted from Tetouan-Morocco, from 25th to 28th, November 2020.

Title: First-principles Prediction of Optoelectronics Properties for Zinc-Tin-Phosphate for Thin Film Solar Cells
Authors: Moufdi Hadjab, Yesim Mogulkoc, Hamza Bennacer, Mohamed Issam Ziane

Equivalent to 32 course hours.

Date: 28th November 2020

IRSEC'20 Co-Chairs

Prof. Mohamed Essaaidi

Dr. Youssef Zaz



Validate this certificate's authenticity at
www.med-space.org/irsec20/verifycertificate
Certificate code: 8b00c7ce36a7b1ac