



CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

Zakaria HADDAD

Has presented the paper referenced below in *The First International Conference on Advanced Renewable Energy Systems (ICARES'22)*, UDES, Bou Ismail-Tipaza, Algeria from 18th to 20th, December 2022.

Title: Experimental study of the effect of dust on the operation of photovoltaic solar panels in the Hodna region

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Dr. Hocine BELMILI

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