

ALGERIAN REPUBLIC DEMOCRATIC AND POPULAR

UNIVERSITY OF M'HAMED BOUGARA BOUMERDES

FACULTY OF TECHNOLOGY



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CERTIFICATE OF PARTICIPATION

This certificate is proudly presented to

Bakhti fatima zohra.

University Med Boudiaf of M'sila, Faculty of Technology, Mechanical Department, M'sila, Algeria
NUMERICAL STUDY OF THE EFFECT OF USING TWISTED TAPE AND A NANOFLUID ON THE THERMAL
PERFORMANCE OF A CYLINDRICAL-PARABOLIC COLLECTOR.

Co-authors: Fatima zohra BAKHTI



Signature





