



جامعة أمحمد بوقرة ببومرداس
UNIVERSITY M'HAMED BOUGARA OF BOUMERDES
كلية المحروقات والكيمياء
FACULTY OF HYDROCARBONS AND CHEMISTRY



الندوة الدولية التاسعة للمحروقات والكيمياء
9TH INTERNATIONAL SYMPOSIUM ON HYDROCARBONS AND CHEMISTRY



CERTIFICATE OF PARTICIPATION

We hereby certify that
SABRINA MEDDAH

has attended the 9th International Symposium on Hydrocarbons and Chemistry, which is
organized from 25th to 26th June 2024 in Boumerdes - ALGERIA,

With a poster communication entitled:

**CONTROL OF COUPLED AXIAL-TORSIONAL VIBRATIONS IN PETROLEUM DRILL STRING USING A FRAC-
TIONAL APPROACH**

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