



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



CERTIFICATE OF PARTICIPATION

We hereby certify that

Mrs.Sabrina MEDDAH

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

With an oral communication entitled:

**Modeling and interaction analysis of coupled severe axial-torsional vibrations in petroleum rotary drilling
systems**



CONFERENCE CHAIRMAN

عميد كلية المحروقات
والكيمياء
السيد: حمادة بوحسن