



# CERTIFICATE OF PARTICIPATION

**TMREES INTERNATIONAL CONFERENCE**  
TECHNOLOGIES AND MATERIALS FOR RENEWABLE ENERGY,  
ENVIRONMENT AND SUSTAINABILITY

THIS DIPLOMA IS PROUDLY PRESENTED TO

Zainab J. Jaffer and Alaa Nazar Abd Algaffar

Preparation of Nanoparticles via PLAL Environmentally Benign for Antibacterial Activity in  
Liquid

**Speaker: Alaa Abd Algaffar**

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*In recognition of valuable participation and presentation at the  
TMREES26 International Conference on Technologies and Materials for  
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