



BEST PAPER AWARD

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

THIS DIPLOMA IS PROUDLY PRESENTED TO

Sorour M. Morad and Kareem A. Jasim

Application of Scherrer, Williamson–Hall, Size–Strain Plot, and Halder–Wagner Methods to
Calculate Crystal Size and Microstrain of $\text{Hg}_{1-x}\text{Al}_x\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{8+\delta}$ Compound

Speaker: Kareem Jasim

Affiliation: University of Baghdad

*Recognized for scientific excellence, originality and significant
contribution to sustainable energy research and technological innovation.*



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Prof. Chafic Salamé
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