



# CERTIFICATE OF PARTICIPATION & PRESENTATION

This is certify that

## Hajar Dammah

Has attended the 12th International Conference on Green Energy & Environmental Engineering (GEEE-2026) from April 27, 2026 to April 30, 2026 in Istanbul, Turkey and made an oral presentation of the paper entitled :

« A Real-Time PSO MPPT Strategy Combined with Backstepping Control for Grid Connected Photovoltaic System ».

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