

ICRERA 2025

14th INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS

Dr. Kenza Maher

Qatar Environment & Energy Research Institute (QEERI),
Hamad Bin Khalifa University (HBKU), Qatar Foundation, Doha, Qatar



Paper ID :43

Paper Title : Understanding Heat Generation and Degradation Pathways in Lco/Graphite Lithium-Ion Cells

Bio :

Dr. Kenza Maher is a Scientist at the Qatar Environment and Energy Research Institute (QEERI). With over 14 years of experience in the battery energy storage R&D field, Dr. Maher has made significant contributions to the development of safe and reliable materials for Li-ion and Na-ion batteries. Her research interests also encompass the advancement of diagnostic strategies and protocols to validate the performance and reliability of battery systems, cells, and materials.

Before joining QEERI, Dr. Maher worked as a Research Fellow and Project Leader at the Joint Future Mobility Research Lab, collaborating with the BMW Group and Nanyang Technological University in Singapore.

Dr. Maher completed her Ph.D. at Cadi Ayyad University in Morocco and worked as Guest Researcher at Angström Laboratory, Department of Material Chemistry, Uppsala University in Sweden. Afterward, she joined the Energy Research Institute at Nanyang Technological University in Singapore as a Research Fellow, Following her tenure at Nanyang Technological University, Dr. Maher moved to TUM CREATE Ltd in Singapore, where she continued her research on battery technology.