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Paper Title : Impact of Ambient Temperature on Reversible Capacity Loss and Electrochemical Behavior of Commercial Lithium-Ion Battery Chemistries

Bio :

Dr. Hayder Ali received a B.S. degree in Electrical Engineering from the University of Engineering and Technology (UET), Lahore, Pakistan, in 2015. He earned his M.S. and Ph.D. in Electrical Engineering from the Lahore University of Management Sciences (LUMS), Lahore, in 2018 and 2024, respectively. He is currently serving as a postdoctoral fellow at the Interdisciplinary Research Center for Sustainable Energy Systems (IRC-SES) at King Fahd University of Petroleum & Minerals (KFUPM), Saudi Arabia. Dr. Ali has engaged in numerous projects centered around lithium-ion batteries, the installation of solar systems, and various sustainability initiatives. His work includes collaborations with prestigious institutes such as NASA, the Center for Advanced Life Cycle Engineering (CALCE) at the University of Maryland, USA, and Texas A&M University, USA. His ongoing research interests encompass a broad range of topics, including the performance evaluation of lithium-ion batteries and solar photovoltaic systems, among others.