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SHORT BIO:

Muhammad Omar Shaikh is Associate Professor of Sustainability Science and Management at Tunghai University, Taiwan, and Director of the Advanced NanoTech Laboratory (ANT Lab). He holds an MEng in Materials Science and Engineering from Imperial College London and a Ph.D. in Mechatronic Science and Engineering from Southern Taiwan University of Science and Technology. His interdisciplinary research integrates nanotechnology, electrochemistry, flexible electronics, and AIoT, with a focus on developing high-performance functional nanomaterials for applications in medical diagnostics, sustainable