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Development of Nano hybrid materials for energy and environmental applications: An experimental perspective**Zafar Hussain Ibupoto***University of Sindh Jamshoro, Pakistan*

In this talk, we will focus on the fabrication of Nano hybrids materials for energy and environmental applications. Especially, the hybrid systems of transition metal oxides/sulfides for photocatalytic and electrocatalytic applications will be briefly presented from our already reported works. The center focus will be the challenges in the hybrid materials in terms of physical and functional characterization. We will connect applied approach with various materials by emphasizing their potential properties in the development of high performance future technologies based on the hybrid materials to sustain the clean energy and environment for sustainable societies.

Biography

Dr. Zafar Ibupoto was awarded a doctoral degree on the topic "Synthesis of metal oxide nanostructures, their characterization and chemical sensing applications" from Linköping University Sweden under the supervision of Prof. Magnus Willander. His first postdoctoral training Institute of Applied Chemistry of Chinese Academy of Sciences Changchun China and second postdoc with Prof. Alberto Vomiero, at the Luleå University of Technology Sweden. Currently, he is a leading researcher and supervising several PhD students in the field of nanostructured materials especially hybrid metal oxides for energy, environmental and biomedical applications at the University of Sindh Jamshoro.