

Special Issue

Developing Tendency of New Materials in Electrochemistry and Electrochemical Engineering

Message from the Guest Editor

This Special Issue aims to provide a platform for cutting-edge research and review articles addressing the design, synthesis, characterization, and modeling of emerging materials in electrochemical systems. Topics of interest include, but are not limited to, the development of high-performance electrodes, solid-state electrolytes, for multifunctional electrochemical applications. We invite contributions that explore sustainable pathways for material development, including carbon-based, biomass derived, non-noble metals or non-hazardous materials, as well as green synthesis approaches that support circular economy and Net-Zero carbon objectives. Submissions that integrate morphological, surface chemical and structural characterization, AI-assisted modeling, and structure–property–performance relationships to advance electrochemical efficiency and durability are particularly encouraged.

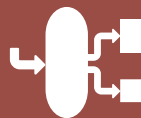
Guest Editor

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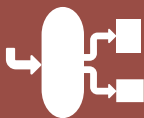


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