

Special Issue

Innovative Catalytic Approaches for Energy Conversion and Storage

Message from the Guest Editor

This Special Issue delves into the cutting-edge catalytic strategies that are pivotal for energy conversion and storage, with a particular focus on environmental sustainability and pollution control. The topics encompass the innovative catalytic approaches for energy conversion and storage, highlighting the significance of these technologies in achieving high efficiency and large-scale applications with minimal pollution or greenhouse gas emissions. The Special Issue will focus on, but is not limited to, the following themes:

- The development of innovative catalytic materials for the elimination of gas, liquid, and solid-phase pollutants, with an emphasis on their application in real mixtures of pollutants removal from outdoor and indoor air, water, and wastewater.
- The advancement of knowledge in recent catalytic processes such as photo-catalysis, plasma-catalysis, and electro-catalysis, applied to environmental protection, and the challenges faced in promoting their application to full scale.
- The role of environmental catalysis in the development of new and cleaner chemical processes, characterized by the use of safer reagents and the production of limited by-products.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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