Special Issue

Advances in Nanostructured Materials for Energy Storage

Message from the Guest Editor

The Special Issue aims to investigate the transformative impact of nanostructured materials in next-generation energy storage technologies. Contributions will present recent advancements in enhancing the performance, capacity, and longevity of devices such as batteries and supercapacitors. Submissions will elaborate on how properties like elevated surface area, tunable porosity, and distinctive electrochemical characteristics contribute to improvements in energy density, faster charge kinetics, and greater overall system efficiency. This Special Issue will cover a range of technologies, including lithium-ion, sodium-ion, and solid-state batteries, as well as supercapacitors. It will also include research on sustainable synthesis methods and scalable manufacturing techniques that support real-world implementation. We are looking forward to receiving your contributions.

Guest Editor

Prof. Dr. Mkhulu Kenneth Mathe

Institute for Catalysis and Energy Solutions, College of Science, Engineering and Technology, University of South Africa, Johannesburg, South Africa

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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