

Special Issue

Advanced Nanomaterials and Devices for Energy Harvesting and Storage Applications

Message from the Guest Editors

Energy harvesting and storage is one of the most trending topics that falls under nanoscience and nanotechnology, with sub-topics ranging from energy conversion, storage, and sensing to a cleaner environment. The Special Issue on advanced nanomaterials and devices for energy harvesting and storage applications aims to publish original experimental and theoretical research on all aspects of energy-related research that uses nanomaterials and nanotechnology. The Editorial Board invites review articles, full-length articles, and communications. Topics covered in the issue will include but are not limited to the following.

- Synthesis and characterization of nanostructured and nanoscale materials;
- Triboelectric nanogenerators;
- Piezoelectric nanogenerators;
- Thermoelectric and pyroelectric generators;
- Self-powered nanodevices/nanosystems;
- Piezotronics and piezophotonics;
- Nanosensors;
- Nanocatalysis;
- Optoelectronic devices;
- Photovoltaics;
- Photocatalysis;
- Nanomaterials for energy storage (materials for supercapacitors and batteries).

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)



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Message from the Editor-in-Chief

Editor-in-Chief

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