

Special Issue

Innovations in Advanced Electromagnetic Devices, Materials and Processes for Environmental Protection and Energy Applications

Message from the Guest Editor

Dear Colleagues This Special Issue includes the following topics of interest, but is not limited to:

- Plasma and ozone technologies for the treatment of air, water, soil, crop and pest control; syngas production; and biofuel production;
- Energy-saving superconducting devices (cables, magnets, fault current limiter SFCLs, magnetic energy storage SMESs, transformers, bearings, machines and SQUIDs) and their applications;
- Electromagnetic technologies in the agriculture and food industry;
- All aspects of electromagnetic compatibility, the influence of electromagnetic fields, noise and vibration on living organisms, and environment monitoring;
- Renewable energy generation and storage facilities, quality, monitoring, consumption and management aspects for green energy;
- Novel micro- and macro-materials, electromagnetic materials and properties, dielectrics, ferroelectrics, and their applicability in environment protection and energy technologies;
- Advanced nanotechnologies and nanomaterials that rely on electromagnetic phenomena and their properties, energy-effective nanostructures, nanofluids for heat and energy applications, and functional materials.

Guest Editor

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Deadline for manuscript submissions

closed (14 April 2025)



Energies

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Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/190986

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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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