

Special Issue

Research Progress and Applications of Solar Energy Conversion Materials for Energy Sustainability

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Materials for photovoltaic, photothermal, and photochemical solar energy conversion, as well as for electrical and thermal storage;
- Concentrating and non-concentrating collectors;
- Hybrid photovoltaic/photothermal solar cells;
- Photoconversion and solar desalination systems;
- Imaging and non-imaging optical collectors;
- Monocrystalline, polycrystalline, and amorphous materials;
- Phase-change materials;
- Nanomaterials;
- Energy, exergy, and exergoeconomic studies;
- Analytical and/or numerical studies;
- Fractal geometry;
- Neural networks.

Applications can include the following:

- Agricultural and/or food applications, such as solar drying, greenhouses, and solar cooking;
- Energy efficiency in power cycles and cogeneration, trigeneration, and polygeneration;
- Desalination for drinking water, irrigation, and commercial use.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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