

## 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.

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### Guest Editors

Prof. Dr. Alejandro Zacarías

Prof. Dr. Juan P. Escandón

Prof. Dr. José Alfredo Jiménez-Bernal

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### Deadline for manuscript submissions

31 January 2026



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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. *Sustainability* publishes original research articles, review 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.

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### Editor-in-Chief

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