## **Special Issue**

# Sustainable Solar Energy: Thermal and Photovoltaic Uses

## Message from the Guest Editors

Environmental sustainability depends on the efficient use of renewable resources (air, water, soil, flora, and fauna) and minimizing waste-ideally to zero through substitution (e.g., replacing plastic with wood). Sustainable energy is vital for maintaining and advancing human life on Earth. This Special Issue proposes extending the usual analysis of solar energy for heat and electricity to include sustainability practices. In addition to being renewable, solar energy should be assessed for greenhouse gas emissions during its production and use, due to their impact on climate change. The energy efficiency of solar systems, including both equipment and application contexts (e.g., buildings, industries, farms), this last one if possible, should also be evaluated. Possible topics could include the following:

- Sustainable thermal solar energy use;
- Sustainable photovoltaic solar energy use;
- Energy efficiency included in solar equipment and/or in entire systems;
- Hybrid renewable energy systems, including those for solar energy;
- Evaluations of greenhouse gas emissions related to the abovementioned topics.

#### **Guest Editors**

Prof. Dr. Rubén D. Piacentini

Prof. Dr. Salvador Gil

Prof. Dr. Víctor José Passamai

## Deadline for manuscript submissions

13 March 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. 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

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