Special Issue

Simulations of Photovoltaic and Thermophotovoltaic Solar Cells—Transport and Optics

Message from the Guest Editor

The Special Issue of *Clean Technologies* is welcoming publications on the following highlighted topics:

- Discussion of the electrical modeling of improved solar cells (Si-based, perovskite, CIGS, CIGSe, CdTe, InGaN MQW, etc.);
- Numerical methods employed to investigate the performance of a solar cell with a low environmental impact;
- Numerical assessment of the influence of the external conditions (e.g., radiation, temperature, moisture) on the performance of a solar cell;
- Improved numerical approaches adopting new models to analyze solar cells;
- Complete optoelectrical modeling/assessment of solar cells;
- Optical means to model the improvement of the light management in solar cells (e.g., light trapping, concentrators);
- Efficient thermophotovoltaics designs.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2024)

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About the Journal

Message from the Editor-in-Chief

Clean Technologies (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 33.7 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the first half of 2025).

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