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Simulations of Photovoltaic and Thermophotovoltaic Solar Cells—Transport and Optics

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2024)

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.

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Message from the Editor-in-Chief

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