

## Special Issue

# Advances in Photovoltaic Solar Energy II

### Message from the Guest Editors

This is the 2nd edition of "Advances in Photovoltaic Solar Energy" we collaborate in *Energies*. We welcome submissions on the following topics, as well as other potential topics that are not mentioned here:

- Innovative design of PV components and systems (e.g., new maximum power point tracking logics);
- Techniques for automatic fault detection (e.g., thermography and electroluminescence by drones, automatic scan of current–voltage curves);
- Smart monitoring and maintenance of utility scale PV plants;
- Techniques to increase local self-sufficiency and self-consumption by PV systems;
- Methods to support the integration of a significant share of PV generation into the power grids (e.g., coupling with storage systems, active power curtailment, reactive power injection, remote/centralized control, grid reconfigurations);
- Planning of utility scale PV generation at regional and national levels;
- Forecasting of PV generation.
- Modelling and simulation of photovoltaic energy conversion systems
- Electrical and thermal modeling of a PV cell and of a module
- Modelling, control, and simulation of integrated storage systems in photovoltaic plants.

### Guest Editors

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### Deadline for manuscript submissions

closed (29 October 2024)



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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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