

## Special Issue

# Advances in Photovoltaic Solar Energy

### Message from the Guest Editors

Some of the reasons of the current and future massive development of PV technology are the abundant amount of solar resource, the increase in the efficiency of the PV modules and their price fall. PV is one of the most installed technology in the last years, with a new world capacity of more than 100 GW in 2020. Therefore, it is essential that research world focuses attention on the design, optimal operation and maintenance of PV plants. The contributions submitted to this Special Issue should deal with 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
- Smart monitoring and maintenance
- Techniques to increase self-sufficiency and self-consumption
- Methods to support the integration of a significant share of PV into the power grids (e.g. storage, active/reactive power management, remote control, grid reconfigurations)
- Planning of PV generation at regional and national levels
- Forecasting of PV generation

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### Guest Editors

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### Deadline for manuscript submissions

closed (1 November 2023)



## Energies

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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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