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## Energies: Advances in Sustainable PV/Wind Power System

Guest Editors:

**Prof. Dr. Djamila Rekioua**

**Prof. Dr. Saad Mekhilef**

**Prof. Dr. Youcef Soufi**

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue will feature recent advances in solar and wind energy technologies, focusing on efficient and dependable renewable energy conversion, transmission, storage, and consumption for a sustainable society. Original contributions, review papers, and tutorials on modeling, control, and operation of wind and solar PV energy systems to conform with grid codes and offer network support are invited for consideration for publication in this special issue. Topics of interest include, but are not limited to, the following:

- Wind and solar PV system modelling, control, and optimization
- Grid integration methods for Wind and PV system
- Stability issues due to high penetration of Wind and PV power into the grid
- Onshore, offshore, and floating wind farms
- Coordination between wind/solar PV farms and energy storage systems to provide ancillary services
- Fault ride-through capability of Wind and PV system
- Hybrid energy systems (e.g., PV+ESS; Wind+ESS, others) and their modeling and control
- LCOE and LCA analysis comparison

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*Guest Editors*



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# Special Issue



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## 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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