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## Storages and Power Plant Flexibility for Improving Renewable Energy Penetration

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Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### Message from the Guest Editor

We invite submissions to a Special Issue of the journal *Energies* on the topic of Storages and Power Plant Flexibility for Improving Renewable Energy Penetration.

This Special Issue would like to encourage original contributions regarding recent developments and concepts related to the management of variable renewable energy sources and the improvement of power plant flexibility. Potential topics include but are not limited to grid scale energy storages, hybrid systems, power to X to power systems, energy network integration, mini and isolated grids with high penetration of renewables, improvement of part load operation of traditional power plants, improvement of power plant start up time and load following capabilities, and strategies for the forecast and management of the power output of renewable energy systems. This Special Issue will include but is not limited to:

- Hybrid systems
- Energy network integration
- Energy storage
- Power to X to power
- Forecast and management strategies
- Improvement of plant flexibility
- Improving part load operation
- Load management



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# Special Issue



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## Editor-in-Chief

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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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