Special Issue

Recent Advances in Solar Power Plants 2024

Message from the Guest Editors

Concentrating solar power (CSP), is, today, a renewable energy alternative to PV or wind in terms of energy management. Although these competitors are cheaper, coupling with energy storage now gives the advantage to CSP to be a relevant electric network input or even a reliable heat process source. Moreover, the scientific community is supporting continuous advances in improving known technologies and totally disruptive concepts. Some examples of new advances are improvements to thermal oil solar fields, new thermodynamic cycle concepts, etc. Collecting information on these new advances in CSP is one of the goals of this Special Issue, focusing on the following ideas:

- Concentrating solar power plant improvements;
- O&M experiences;
- Heat process concepts;
- New thermodynamic concepts;
- Disruptive CSP technologies and ideas;
- Thermal energy storage;
- Heat process production and management.
- renewable energy
- renewable energy technologies
- energy engineering
- thermal engineering
- energy conversion
- power generation
- engineering thermodynamics
- energy efficiency in building
- solar power plants

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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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