

## Special Issue

# Concentrating Solar Power Plants

### Message from the Guest Editors

The need for a rapid transition to a new energy model based on the use of renewable energy is undeniable. Among them, solar thermal energy can be crucial in said energy transition. In other words, important efforts in different research lines are necessary in order to improve the efficiency over the conventional concentrated solar power (CSP) plants. This Special Issue aims to collate experimental/numerical/field scale investigations with novel materials such as heat transfer fluids, new technologies to transfer the solar energy, development CFD simulations, new experimental results inside of concentrated solar energy solutions, and review papers with state-of-the-art findings that can significantly contribute to the community. The Special Issue is open to all contributions related to CSP plants, including (but not limited to) the following:

- New technologies;
- New heat transfer fluids;
- Improvement in the thermal efficiencies in a CSP;
- State of the art in the thermal energy storage field;
- New simulations of CSP;
- Numerical models;
- Economical viability tests.

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### Guest Editors

Dr. Minerva Díaz-Heras

Prof. Dr. Jose A. Almendros-Ibanez

Dr. Maria Fernandez-Torrijos

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### Deadline for manuscript submissions

closed (31 March 2025)



## 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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### Editor-in-Chief

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