



*energies*



an Open Access Journal by MDPI

## Modelling of Thermal and Energy Systems

Guest Editor:

**Prof. Dr. Francisco Vera García**

Department of Thermal and  
Fluids Engineering, Universidad  
Politécnica de Cartagena,  
Cartagena, Spain

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### Message from the Guest Editor

This Special Issue focuses on the analysis, design, validation, response, and implementation of Modelling of Thermal and Energy Systems. The topics of interest for the Special Issue include (but are not limited to):

Modelling of thermal systems;  
Modelling of complex energy systems;  
Thermal correlations Modelling;  
Two-phase flow Modelling;  
Heat exchangers Modelling and design.;  
Modelling of internal combustion engines;  
Reliability and failure detection Modelling;  
Air conditioning and refrigerant systems;  
Computational fluid dynamics (CFD) for thermal and energy systems;  
Modelling of thermal processes (evaporation and condensation);  
Modelling of energy flows.;  
Optimization and efficiency use of energy systems;  
Renewable energy models, thermal and PV solar energy, wind, biomass, biofuels, etc.;  
Modelling of the desalination process;  
Thermal energy storage Modelling;  
Modelling of building energy consumption, isolation of buildings, etc.



[mdpi.com/si/28430](https://mdpi.com/si/28430)

**Special** Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)