

## Special Issue

# Strain Energy in Composite Structures

### Message from the Guest Editors

This Special Issue of *Energies* is devoted to the deformation energy of composite structures. Composites, including corrugated and sandwich structures, are increasingly used as construction materials or load-bearing elements in various engineering fields. Due to their specific composition, their load capacity to section weight ratio is much higher than that of traditional solid sections. In addition, the geometries of the corrugated or soft-core structures are constantly being modified to improve their mechanical properties. This Special Issue will enable scientists and engineers to exchange the latest knowledge on advances in theoretical and computational approaches for composite structures. Among others, the following topics are the main fields of interest for this Special Issue: deformation energy in composite structures such as beams, plates and shells, corrugated boards and sandwich panels; its mechanical characterization and strength estimation methods, numerical, and analytical homogenization techniques; laboratory testing methods; linear and nonlinear analysis of any structures made of composites.

---

### Guest Editors

Prof. Dr. Tomasz Garbowski  
Prof. Dr. Zbigniew Pozorski  
Prof. Dr. Katarzyna Rzeszut

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/67780](https://mdpi.com/si/67780)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)



## 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.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

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

---

### 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 Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)