



*energies*



an Open Access Journal by MDPI

## Graphene Based Nanocomposite Materials for Smart Structural Applications

Guest Editors:

**Dr. Tanvir Qureshi**

Department of Geography and  
Environmental Management,  
University of the West of England,  
Bristol BS16 1QY, UK

**Dr. Guorui Wang**

Department of Mechanical &  
Industrial Engineering, University  
of Toronto, Toronto, ON M5S  
3G8, Canada

Deadline for manuscript  
submissions:

**closed (20 February 2022)**

### Message from the Guest Editors

Dear Colleagues,

The Guest Editor is inviting submissions to a Special Issue of *Energies* on the subject area of “Graphene-Based Nanocomposite Materials for Smart Structural Applications”. Graphene-based nanomaterials have started to show a promising performance in the improvement and modification of advanced construction materials for smart structural applications. There have been many emerging techniques for the incorporation of graphene-based materials for multifunctional composite systems, smart self-sensing, strength, and overall service performance enhancement during engineering structural applications. The modification of sustainable construction materials and optimisation and control techniques are important for the efficient use of energy systems.

This Special Issue will deal with novel graphene-based nanocomposite materials development, properties and performance optimisation, data processing, and application techniques leading to smart structural applications.



[mdpi.com/si/70247](https://mdpi.com/si/70247)

**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)