



## Energy Materials Research, Applications, and New Technologies in Korea

Collection Editors:

**Prof. Dr. Young Soo Yoon**

Department of Materials Science and Engineering, Gachon University, Gachon 13120, Gyeonggi-do, Republic of Korea

**Prof. Dr. Kyu Hyoung Lee**

Energy Materials & Devices Laboratory, Department of Materials Science and Engineering, Yonsei University, Seoul 03722, Republic of Korea

### Message from the Collection Editors

Dear Colleagues,

We are inviting submissions to a Special Issue of *Energies* on “Energy Materials Research, Applications, and New Technologies in Korea”.

Rapid climate change and heavy reliance on imported fuel in Korea have motivated interest in sustainable alternative energy. One of the most promising solutions to achieve the goals of sustainable development, energy security, and environmental protection is intensifying the role of renewable energy in electricity production, transportation, building, lighting, and telecommunication. To this end, the Korean government plans to increase investments in the green energy field. The critical relationship between energy, environment, and sustainability has led to novel discoveries and advancements in the field of energy materials in search of alternative resources

In this Special Issue of *Energies*, original research articles or reviews on topics related to the design, fabrication, characterization, and control of advanced energy materials in Korea are welcome.

- Korea
- solar energy
- fuel cell
- batteries
- energy harvesting
- bio-materials
- carbon
- electrolyte





*energi*



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 Compendex, 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)