

## Special Issue

# Environmental Applications of Bioenergy and Biomass, 2nd Edition

### Message from the Guest Editors

It is time to take responsibility and action as individuals and as a society for the severe impacts caused by our rising demand for electricity, heat, cooling, and transportation fuels. The scientific community must come together and investigate the most efficient technologies, applications, and pathways that can be used to suppress our energetic needs. Such research can promote the development of cost-effective applications that will bring about energy security, reduce fossil fuel depletion, and reduce the environmental impacts caused by fossil fuels. This Special Issue intends to address the gaps and challenges that affect the bioenergy production chain, all the way from the type and source of biomass resources to the production process, products, and final end uses. All types of original submissions are welcome.

- unprocessed biomass
- non-food crops
- aquatic feedstocks
- genetically modified organisms
- heat and power
- combustion
- torrefaction
- gasification
- pyrolysis
- carbonization
- anaerobic digestion

---

### Guest Editors

Dr. Abrar Inayat

Dr. Mohamed Abdallah

Prof. Dr. Abdallah Shanbleh

Dr. Lisandra Rocha Meneses

---

### Deadline for manuscript submissions

closed (10 April 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/203645](https://mdpi.com/si/203645)

*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)