

## Special Issue

# Waste to Watt: Biomass and Waste Valorization to Fuels

### Message from the Guest Editor

This Special Issue delves into conversion of biomass and waste into fuels. It explores strategies and technologies that support the expansion of biogas, promoting sustainability and energy security. This issue welcomes original research articles and reviews that cover a wide range of topics, including enhancement of biogas yield from various feedstocks, biogas upgrading, and biochemical and thermochemical conversion. In addition, this Special Issue explores case studies and pilot projects, illustrating the successful implementation and scalability of biogas technologies. These examples provide insights into practical challenges and solutions to achieve notable progress in biogas production. Furthermore, this Special Issue aims to address the economic and policy frameworks necessary for expansion of biogas production. It seeks to identify opportunities in the current landscape, emphasizing supportive legislation, financial incentives, and innovative business models. By integrating diverse perspectives, this Special Issue aims to provide a comprehensive overview of the current state and future of biogas and bioenergy, contributing to sustainable and secure energy landscape.

---

### Guest Editor

Dr. Vasileios Diamantis  
Department of Environmental Engineering, Democritus University of  
Thrace, 67132 Xanthi, Greece

---

### Deadline for manuscript submissions

15 June 2026



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/212226](https://mdpi.com/si/212226)

*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)