



## Valorisation of Wastes: Environmental Sustainability and Production of Biofuels by Advanced Technologies II

Guest Editor:

**Dr. Alessandro Alberto Casazza**

Department of Civil Chemical  
and Environmental Engineering,  
University of Genoa, 16145  
Genoa, Italy

Deadline for manuscript  
submissions:

**closed (15 May 2023)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue is open for submission. Papers related to environmental problems derived from the processes described above and their impact on the circular economy are also in the scope of this Special Issue. Also of interest are technologies for energy recovery of waste, including fermentation, anaerobic digestion, incineration, pyrolysis, gasification processes, and new strategies that could reduce the impact on the environment.

The following topics are examples of research that fit within the scope of the journal:

- biomass and waste valorization;
- biodiesel production;
- waste thermal treatments;
- alcoholic fermentation and bioalcohols production from wastes;
- anaerobic digestion and biogas;
- use of microalgae for waste and wastewater treatment;
- biorefineries;
- circular economy related to the production of biofuels.

Dr. Alessandro Alberto Casazza  
*Guest Editor*





# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Enrico Sciubba

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 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)