



## Environmental Evaluation and Energy Recovery in Waste Management

Guest Editors:

**Dr. Dorota Kulikowska**

Department of Environmental Biotechnology, University of Warmia and Mazury in Olsztyn, 10-709 Olsztyn, Poland

**Dr. Katarzyna Bernat**

Department of Environmental Biotechnology, University of Warmia and Mazury in Olsztyn, 10-709 Olsztyn, Poland

Deadline for manuscript submissions:

**closed (15 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue, “Environmental Evaluation and Energy Recovery in Waste Management” is dedicated to research that aims to provide knowledge on modern and advanced technologies used for waste and wastewater management. It is known that proper waste and wastewater management is a building block of the circular economy and helps prevent waste and wastewater from having a negative impact on the environment and health. Today, there is a significant opportunity in terms of turning waste and wastewater into valuable resources and energy recovery. In order to identify new perspectives, we propose to focus on the most sustainable and eco-friendly strategies. Potential topics include but are not limited to:

- Waste, wastewater and landfill leachate treatment;
- Recovery of value-added products from waste and wastewater;
- Recovery and re-use of wastes;
- Strategies and technologies for sewage sludge management, including treatment and disposal;
- Energetic valorization of renewable resources;
- Technologies that favor reduction of greenhouse gasses emissions;
- Effect of bio-based product on waste management;
- Microplastic contamination.





# 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)