



*energies*



an Open Access Journal by MDPI

## Waste-to-Energy Technology Integrated with Carbon Capture

Guest Editors:

**Dr. Mario Ditaranto**

SINTEF Energy Research, Dept  
Energy Proc, N-7465 Trondheim,  
Norway

**Dr. Mathieu Lucquiaud**

Institute for Energy Systems,  
School of Engineering, University  
of Edinburgh, Edinburgh EH8 9YL,  
UK

**Dr. Juliana Monteiro**

TNO (Netherlands Organisation  
for applied scientific research),  
SPES Department, NL-2628 CA  
Delft, The Netherlands

Deadline for manuscript  
submissions:

**closed (20 July 2021)**

### Message from the Guest Editors

The prospective of achieving the climate targets without the use of carbon-negative solutions has now become remote, let alone without the use of carbon capture and storage (CCS) from point emissions. Decarbonization of the industrial sector without the implementation of CCS is rather limited, and the potential is enormous. The waste-to-energy sector represents a golden opportunity as a first mover, as it affects the CO<sub>2</sub> budget of municipalities and offers the potential for negative emissions in an eventually profitable scheme if negative emission legislation comes in place. It is an industry in full growth in all parts of the world, and is not subject to delocalization, making long-term investments a lesser risk. The integration of carbon capture technologies in the waste-to-energy sector is in its early stages. In this Special Issue we intend to gather a compendium of studies pertaining to all aspects of capturing CO<sub>2</sub> from the combustion of municipal and industrial wastes, its legal, political, and administrative aspects, and its transport obstacles from near-city sites. We welcome you to join us and submit your latest first-class research on these topics.



[mdpi.com/si/51233](https://mdpi.com/si/51233)

**Special** Issue



# 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)