

Special Issue

Zero Carbon Emissions, Green Environment and Sustainable Energy

Message from the Guest Editors

Climate change and air pollution are two major challenges in the field of the environment. Greenhouse gas and air pollutants emitted in the process of social development have caused unpredictable impacts on the atmospheric environment and climate conditions and have become a significant topic of concern around the world.

CO₂ and air pollutants are homologous, and their anthropogenic emissions all come from the combustion of fossil fuels. Therefore, the ways to control CO₂ and air pollutants are essentially consistent. Topics of interest of the Special Issue include but are not limited to:

- Decarbonization through CO₂ capture, utilization, and sequestration;
- Development of technologies intended for applications to remove air pollutants (such as heavy metals, SO₂, NO_x);
- Efficient energy conversion, storage, and utilization;
- Abatement and recycling of solid/hazardous wastes;
- Synergistic emission reduction between CO₂ and air pollutants.

Guest Editors

Dr. Jianping Yang

Dr. Li Jia

Dr. Yue Yu

Deadline for manuscript submissions

closed (31 October 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/167577

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)