energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 6.2

Impact of Biomass Combustion on Air Quality

Guest Editors:

Dr. Célia dos Anjos Alves
Department of Environment and Planning, Centre for Environmental and Marine Studies, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Estela Vicente
Department of Environment and Planning, Centre for Environmental and Marine Studies (CESAM), University of Aveiro, 3810-193 Aveiro, Portugal

Deadline for manuscript submissions:
closed (14 July 2023)

Message from the Guest Editors

Considering the rising awareness of the environmental effects of combustion emissions, studies on implementation of different emission reduction measures (e.g., optimization of the combustion process, fuel modification, flue gas cleaning) are valuable. The assessment of real-life user practices on emissions from small-scale biomass combustion is also needed to more accurately estimate the impact of this source on air quality. Taking into account that biomass combustion emissions can undergo varying atmospheric aging before human exposure, studies on aging processes also deserve attention in this Special Issue. Finally, studies focusing on the detailed characterization of aerosol properties are of great interest since these are connected to their ability to trigger toxicological responses as well as climate effects.

Authors are invited to submit novel contributions in the form of critical reviews and research papers targeting any of these or other related topics.

- Aerosol aging
- Biomass combustion
- Emission factors
- Emission reduction
- Fuel improvement
- Gaseous compounds
- Particle chemical composition
- Particulate matter
- Pollutant formation mechanisms
- Stove/burner design

mdpi.com/si/85139

Special Issue

energies

IMPACT FACTOR 3.0

CITESCORE 6.2

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

mdpi.com/journal/energies
energies@mdpi.com
𝕏@energies_mdpi