

Special Issue

High Value-Added Utilization of Biomass and Biofuels

Message from the Guest Editors

Topics of interest for publication include, but are not limited to:

- Determination of the physicochemical properties of biomass intended for high-quality biofuels.
- All aspects related to biofuel conversion—modeling, theoretical and practical analyses; computer simulations.
- The enrichment of biomass, forming, thickening, drying and grinding.
- Processes of the pyrolysis, gasification and torrefaction of biomass.
- The fermentation process, biogas plants and biogas.
- Liquid biofuel, esters and ethanol.
- The use of agricultural and forestry waste for energy purposes.
- The use of food industry waste for energy purposes.
- Designing a line for the production of biofuels or its individual elements.
- The modeling of processes related to energy production from biofuels.
- Technical and economic analyses; determination of efficiency and environmental impact.
- Analysis of the impact of the use of biofuels on the environment.
- Thermal and thermogravimetric analyses.
- Designing biomass burning equipment.
- Analysis of the composition of flue gases resulting from the combustion of high-quality fuels.

Guest Editors

Dr. Andrzej Bryś

Dr. Weronika Tulej

Prof. Dr. Joanna Bryś

Deadline for manuscript submissions

closed (26 May 2024)



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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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

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