Special Issue

Advanced Biofuel Production from Waste Biomass

Message from the Guest Editors

Biofuels production today plays an important role in the global energy economy. Replacing fossil fuels with biofuels can reduce the negative effects of fossil fuel production and its use. Advanced biofuels include liquid and gaseous transportation fuels. Various feedstocks can be used in advanced biofuels production. Advanced biofuels are mainly produced through biomass conversion via physical, thermochemical, biochemical and/or chemical processes. Lignocellulosic biomass could be converted into value-added products and further to biofuels by biochemical process. Since the lignocellulosic biomass is often very recaltricant to cellulase degradation, pretreatment step is necessary to include in the biochemical route of biofuel production. In this Special Issue, we invite submissions on the utilization of waste and non-edible biomass for advanced biofuels production, valorization of various waste biomass for biofuel production, lignocellulose pretreatment methods, enzymatic hydrolysis of lignocellulosic biomass and separation and purification of biofuels. Also, papers dealing with microbial enzymes with high potential for carbohydrate hydrolysis and lignin degradation are welcome.

Guest Editors

Dr. Mirela Ivančić Šantek

Prof. Dr. Božidar Šantek

Dr. Katarina Mihajlovski

Deadline for manuscript submissions

closed (20 August 2023)

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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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