

Special Issue

Biofuel Production and Bio-Waste Management

Message from the Guest Editors

Global trends in waste management, such as achieving the Net Zero goal by 2050 and RE100, are aimed at reducing waste generation and converting waste into energy. Recently, countries have been leveraging underutilized biomass resources and securing critical resources for the carbon-neutral era. This Special Issue shares the latest transformations within the waste management sector, which are in line with Net Zero, as well as emerging research trends in waste-to-energy conversion worldwide. In particular, we will identify trends in energy conversion research related to untapped biomass resources in different countries, with a view toward fostering technological and academic advancements. Topics of interest for publication include, but are not limited to:

- Waste-to-Energy technology;
- Biomass-to-Energy technology;
- Energy-harvesting technologies;
- Thermochemical conversion;
- Biological technology;
- Biochar production and conversion technologies;
- The application of biochar;
- Efficient energy conversion systems;
- Energy conversion and environmental management.

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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.

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