Special Issue

Valorization of Wastes for Energy Production by Thermal and Biological Processes 2022

Message from the Guest Editors

Wastes are produced by most essential activities necessitated by modern society, and their adequate disposal or valorization poses a significant sustainable development challenge. Waste-to-energy systems may contribute to waste valorization due to their diverse nature as well as their capacity to process large amounts of materials. Innovations in catalysts, reactor design, genetic engineering of microorganisms, and downstream processing techniques have driven technological progress in waste conversion. This Special Issue invites original research papers to address new applications of thermochemical, biological, or integrated technologies for the conversion of organic, lignocellulosic, or polymeric wastes to energy or fuels. Additionally, authors are encouraged to submit papers addressing the state of the art and recent advancements in these areas to provide useful guidelines for future research.

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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.

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