

Special Issue

Thermal Conversion of Wastes to Fuel and Chemical Feedstocks

Message from the Guest Editor

Owing to the accelerating depletion of fuel resources and climate change, the need for alternative fuels is increasingly emphasized. In this regard, waste is not a simple object requiring treatment but an energy source, and research and commercialization are currently actively underway to produce various types of fuel and chemical raw materials from waste. Thermal conversion technology of organic wastes can be divided into torrefaction, pyrolysis, and gasification depending on the applied temperature and the use of air. Catalysts are also selectively used to improve the quality of the product as needed. This Special Issue aims to introduce technologies for producing fuel and chemical feedstocks from various wastes, and its scope includes thermal conversion technology using various waste resources as well as plastics and waste biomass.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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