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Exploitation of Wastes and Residues via Biological Processes in the Concept of Bioeconomy

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Message from the Guest Editors

Regarding the circular economy concept, efforts should be focused on the minimization of wastes generation by elongating the lifetime of materials through actions such as recycling and reuse. However, the generation of wastes and residues is inevitable at some point, and as such a new concept of circular economy—the bioeconomy—has recently gained great attention. In a bioeconomy, the wastes and residues of anthropogenic activities are approached as resources of valuable molecules and compounds via various methodologies such as extraction, recovery, and conversion, thus tackling environmental and economic issues at the same time.

This Special Issue aspires to gather novel research papers covering the topic of exploitation/valorization of wastes and residual biomass using biological processes. The target feedstocks include but are not necessarily limited to municipal, agroindustrial, and industrial wastes and wastewaters, agricultural and forestral residues etc. could be fractionated, bioconverted, or biotransformed for the generation of high-added-value substances, compounds, and molecules

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Message from the Editor-in-Chief

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