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Biotechnological Conversion of Carbon-Rich Waste Streams to High Added-Value Products

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will be focused on the biotechnological valorization of carbon-rich waste streams to high-added value products. By employing microorganisms such as bacteria, yeast and fungi and/or novel enzymes it is possible to convert residual streams to a large portfolio of products, such as organic acids, biofuels, biopolymers, bioelectricity and bioactive molecules with potential for application in the food, cosmetics and pharmaceutical industry. This issue invites original contributions and review papers from authors to demonstrate the most recent advancements on the valorization of different carbon-rich waste streams, such as lignocellulose agricultural and forest residues, industrial and urban organic waste and CO_2-rich industrial gas streams. Special attention will be given to reaction kinetics, reaction screening and optimization and development of novel bioconversion reactions and methodologies.

Deadline for manuscript submissions:
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