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Circular Bioeconomy: Novel Processes and Materials for Food Preservation

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Message from the Guest Editors

Dear Colleagues,

The Circular Bioeconomy concept is becoming an integral part of industrial green technological processes, considering residues as a novel resource and developing a new sustainable closed model based on high-value applications of biomass. In the field of food technology, the scientific community is undertaking efforts for the utilization of food-processing byproducts as a highly sustainable resource for the production of food packaging materials and bioactive compounds. Multiple research groups are currently engaged in the complete valorization of food wastes into alternative feedstocks for monomers and intermediates to produce biopolymers and green composites as well as in the extraction and purification of antioxidants, natural preservatives, or antimicrobials to both enrich food quality and provide food safety. This Special Issue aims to compile the most recent advances in the processes and materials dealing with the valorization of food wastes and also the conversion of food residues into new nutrients and innovative solutions for food preservation.



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Special Issue



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Message from the Editor-in-Chief

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