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Valorization of Agri-Food Waste Biomass for the Extraction of Bioactive Compounds

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Message from the Guest Editors

Compounds with bioactivity represent a common class of such substances. Antioxidant activity, as well as antibacterial, antifungal, and antiviral activities, are some examples of the physiologically important behaviors exhibited by bioactive compounds. For example, many plant parts that are rejected during fruit and vegetable processing (e.g., leaves, branches, peels, roots, stems, and seeds) carry a significant load of such phytochemicals, including polyphenols. This makes the recovery of valuable compounds from waste biomass an appealing prospect in this regard.

This Special Issue aims to collect research articles that discuss novel approaches to valorize agri-food waste biomass. Therefore, this Special Issue will address a variety of subjects, including the employment of green technologies, the design and optimization of extraction techniques, the use of innovative solvents, and the valorization of less-discussed agri-food waste biomass.