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Eco-Friendly Bio-Packaging from Food Byproducts: Recent Advances and Developments

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Message from the Guest Editors

Food wastes are generated during multiple stages of food production, from growing produce through to consumption. Significant volumes of agricultural and food processing wastes and/or by-products are produced annually on a global scale. Materials that cannot be composted or utilized for other purposes such as animal feed are commonly sent to landfill sites, where their decomposition can generate ozone-depleting methane gas. Researchers are investigating alternative uses for various food by-products in order to divert those that cannot be readily used and are presently destined for landfill. Various food by-products can be readily manipulated using physical and chemical processes to produce a range of new materials, including foams, trays, boards, and film. This Special Issue reports recent advances and developments related to the valorization of food by-products, with an emphasis on the production of bio-based packaging.



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Special Issue



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Message from the Editor-in-Chief

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