

## Special Issue

# Up-Cycling Food Byproducts into Functional Ingredients for Healthier Foods: Nutritional Enhancement and Emerging Technologies for the Food Industry

### Message from the Guest Editors

This Special Issue focuses on the sustainable up-cycling of food byproducts into high-value functional ingredients, with the aim of advancing nutrition, health and technological innovation within the food industry. As global demand for healthier, nutrient-dense and environmentally responsible foods continues to rise, the valorization of agricultural and food processing residues represents a key strategy to reduce waste, enhance resource efficiency and promote circularity across the food system. The scope of this Special Issue includes research on advanced extraction and processing technologies, characterization of bioactive compounds, development of functional ingredients and their incorporation into food formulations. Contributions addressing nutritional enhancement, health-promoting potential, safety assessment and industrial scalability are particularly encouraged. Studies exploring regulatory, economic, or sustainability-assessment frameworks related to up-cycling processes are also welcome.

### Guest Editors

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### Deadline for manuscript submissions

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