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Cereal Processing and Cereal By-Products: A Sustainable Resource for the Agri-Food Industry

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Message from the Guest Editors

For thousands of years cereals, predominantly wheat, corn and rice, have been major resources for human and animal nutrition. In more recent years, ancient grains and pseudocereals have also gained significant interest due to their potential health benefits and environmental sustainability. The complex nature of cereal processing, results in the generation of large waste streams however, and cereal by-products represent a low-cost, sustainable source of high-value ingredients including include proteins, resistant starches and dietary fibres, lipids, secondary metabolites and various functional polymers.

As a result of demographic pressure and environmental sustainability, there is increased demand on cereals and cereal by-products to supplement and substitute animal-based products in the agri-food industry. In this regard, this special issue aims to explore all innovations in the revalorisation of cereals and cereal by-products, pseudocereals and novel cereal grains, through the production of value-added products, the revival of ancient and native grain species, or the recovery of high-value ingredients such as those with positive health effects and functional properties.



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Message from the Editor-in-Chief

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