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Innovative Processing Technologies for Developing Functional Ingredients and Food Products with Health Benefits from Grains II

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Message from the Guest Editors

Grains are important staple foods that are consumed globally. The conventional processing technologies used for transforming grains into food products involves mechanical, chemical, and physical transformations that may have a deleterious impact on the content, bioavailability, and activity of bioactive compounds and hence on the health benefits of grains. High hydrostatic pressure (HHP), pulsed electric fields (PEF), ultrasound (US), cold plasma (CP), germination, fermentation, puffing, extrusion. and parboiling exemplify sustainable technologies that are being explored for these purposes. This Special Issue is open to original research and review articles focused on recent advances in application of novel processing technologies aiming to produce more healthful ingredients and foodstuffs from commonly produced or underutilized cereals, pseudocereals, and legumes. We encourage authors to submit research articles providing new insights on the influence of processing technologies on the content, composition, bioavailability, bioactivity, and health-promoting properties of grains and derived ingredients/foodstuffs.



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Special Issue



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Message from the Editor-in-Chief

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