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Physicochemical and Nutritional Characterization of Bran-Enriched Products

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Deadline for manuscript submissions:

closed (25 August 2021)

Message from the Guest Editors

Epidemiological studies have linked the regular consumption of whole grains and cereal fiber to positive effects on health. To capitalize on its favorable nutritional properties, numerous studies have incorporated bran into other products. This negatively affects the structuring processes that are so crucial for achieving the desired shapes and textures of the final products. In addition, bran is typically characterized by higher lipid contents and enzymatic activity than refined flours, potentially shortening the shelf life of bran-enriched products.

This Special Issue seeks novel approaches that allow for the incorporation of bran into a wide range of products while maintaining their sensory and textural properties to the satisfaction of the end-user. Studies using whole grains, compounds isolated from bran or other byproducts from cereal or legume processing are also welcome, and ideally would provide information relevant to ingredient functionality. We invite manuscripts assessing the products' nutritional value, describing novel formulations and products, and assessing strategies to improve on functional and sensory attributes.













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Message from the Editor-in-Chief

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