



Food Processing Technology of Pulses and Cereals

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Deadline for manuscript
submissions:

20 June 2024

Message from the Guest Editors

Pulses and cereals are key products for the sustainable development of the food system. Owing to their potential of being processed to produce a multitude of ingredients and food, they are an “hot topic” of the food research.

The aim of this Special Issue is to gather high impact reviews and original research papers on the processing technologies of pulses and cereals, with a particular emphasis on those applied to create valuable ingredients for the new food product development. In particular, for this Special Issue the following topic will be considered: (i) extraction technologies such as the dry fractionations (e.g., air classification, electrostatic separation), wet fractionations (e.g., alkaline extraction and isoelectric precipitation, aqueous fractionation, ultrafiltration, enzymatic extractions); (ii) processing that may improve the functionality and/or the nutritional value such as pulsed electric field, ultrasound, microwaves, high-pressure homogenization; (iii) structuring processes such as extrusion cooking, shear cell; (iv) biotechnological processes.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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