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New Insights into Legume and Cereal Innovations in Processing, Storage and Shelf Life

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Deadline for manuscript submissions:

closed (28 January 2025)

Message from the Guest Editors

As global food demand continues to rise, legumes and cereals play a critical role in ensuring food security while guaranteeing nutritional quality. The aim of this Special Issue is to gather high-impact reviews and original research papers that study innovations in legume and cereal technology with a particular emphasis on, but not limited to, (i) novel processing methods that could improve nutritional value and physicochemical/technological properties (e.g., pulsed electric field, ultrasound, microwaves, high-pressure homogenization, and extrusion cooking); (ii) innovative approaches in food product development (e.g., protein extraction; meat, fish, and dairy alternatives; and fortified traditional foods like bakery products, snacks, and pasta); (iii) the evaluation and extension of the shelf life of cereal- and legume-based food products; and (iv) the recovery and valorisation of by-products and side streams originating from cereal and legume processing technologies. We strongly encourage contributions with interdisciplinary approaches, combining biotechnology, engineering, and food science to address the challenges in the legume and cereal sectors.



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Special Issue



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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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