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Functional Cereal Foods for Health Benefits: Genetic and/or Processing Strategies to Enhance the Quali-Quantitative Composition of Bioactive Components

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Message from the Guest Editors

Cereal foods comprise a large variety of products that make up the main part of the world population's diet. Despite decades of research to improve cereals and cereal food quality, the scenario of market needs, processing, and climate change require the coordination of research worldwide.

Cereals and cereal foods are an important source of energy (carbohydrates, proteins, and fat), as well as a range of non-nutrient bioactive components (i.e., vitamins, minerals, dietary fiber, and phytochemicals) that provide different grades of health benefits.

The main challenges for the near future include the exploration, valorization, and improvement of genetic variation for nutrients and bioactive food components; the use and implementation of biotechnological, preprocessing, and processing strategies finalized to improve their content; the evaluation of health properties for health claims.

This Special Issue is open to all contributions that may provide novel insights to enhance the health and nutritional features of cereals and cereal foods.

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Prof. Dr. Weiqun Wang

Guest Editors



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Special Issue



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