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Deep Processing of Cereals, Pseudo-Cereals and Legumes for Enhanced Product Development

Guest Editors:

Prof. Dr. Mia Eeckhout

Department of Food Technology
Safety and Health, Faculty
Bioscience Engineering, Ghent
University, 9000 Gent, Belgium

Prof. Dr. Filip Van Bockstaele

Ghent University, Faculty of
Bioscience Engineering,
Department of Food Technology,
Safety and Health, Food
Structure and Function Research
Group, Coupure Links 653, 9000
Ghent, Belgium

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Message from the Guest Editors

Cereals, pseudo-cereals, and legumes are staple foods worldwide, providing essential nutrients such as carbohydrates, protein, fiber, and micronutrients. The future of deep processing of grains and legumes into food products is promising as it contributes to global food security and sustainability, meeting changing consumer demand for functional, convenient and eco-friendly options. This special edition focuses on the deep processing of (pseudo)-cereals and legumes, referring to the use of various advanced processing methods to process these raw materials into products with improved functionality or high nutritional value. In addition to grinding, fractionation, and modification techniques, this includes the implementation of extraction, extrusion with the aim of producing ingredients, additives, and finished products as well. Examples of deeply processed grains and legumes are flour, (modified) starch, protein isolates and hydrolysates, dietary fiber, malt extracts, fermented products and various derivatives used in food and feed.



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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