Special Issue

From Biofortification in Microelements of Grains to Food Products by Traditional and Innovative Methods

Message from the Guest Editor

Biofortification is the process used to increase the concentration of a nutrient in edible portions of plants through agronomic techniques, post-harvest processes (i.e., malting), and genetic selection by plant breeding. An important part of the population suffers from dietary deficiency in essential micronutrients, i.e., iron (Fe), zinc (Zn) and selenium (Se), and a novel challenge in agriculture is the production of biofortified grains to improve the nutrition status of the consumers, while allowing the producers to offer a more valuable product. In the future, grain biofortification should consider innovative approaches from field agronomics techniques to post-harvest methods in order to obtain dense grains for developing novel foods with improved properties on human health, also taking into account the stability of the products during long-term storage and the bioavailability of the microelements of the fortified products.

Guest Editor

Dr. Maria Grazia Melilli
CNR-IBE National Council of Research, Institute of BioEconomy - Via Paolo Gaifami n.18, 95126 Catania, Italy

Deadline for manuscript submissions

closed (15 July 2021)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/59021

Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

mdpi.com/journal/agronomy

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/journal/agronomy

MDPI

About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)