



Enhancing Food Quality and Plant Stress Tolerance through Selenium Biofortification: Strategies, Progress, and Challenges

Guest Editor:

Dr. María Gabriela Guevara

Biological Research Institute,
National Scientific and Technical
Research Council (CONICET),
University of Mar del Plata
(UNMDP), Mar del Plata,
Argentina

Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editor

Micronutrients play a crucial role in sustaining human health. Selenium is noteworthy in this context. The inadequate intake of dietary selenium affects up to 1 in 7 people's health. Prediction models anticipate that those alterations produced by climate change, specifically in the soil's organic carbon content, can result in a general decline in soil selenium concentrations. Additionally, selenium is a beneficial element for plants that promotes their development and improves their agronomic parameters under unfavorable growth conditions.

This research topic aims to enhance our understanding of plant selenium biofortification and decrease the incidence of selenium deficiency in plants.

Authors are invited to submit original research on topics that include, but are not limited to, the following:

The assessment of nutritional and quality parameters in crops after Se biofortification;

Se biofortification effects in plant development;

Plant tolerance to abiotic and biotic stresses after Se biofortification;

Se biofortification strategies and techniques in plants.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, Australia

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.

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*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)