Special Issue

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

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.

Guest Editor

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Deadline for manuscript submissions

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Editor-in-Chief

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