

Special Issue

Agroecological Strategies for Improving Nutritional Quality of Cereal Crops

Message from the Guest Editors

Cereals are the basis of human nutrition and play a very important role in ensuring food security; however, in recent years, drought, climate change, conflicts and high prices have threatened food security and nutrition in many countries. Highly diversified cropping systems based on agroecological principles have potential benefits in terms of biodiversity conservation and ecological sustainability, and they do not present the problems encountered in intensive agricultural systems based on optimizing the productivity of monocultures, such as soil erosion and degradation, chemical contamination, loss of agricultural and food biodiversity, and the use of fossil fuels. The Special Issue aims to identify agroecological approaches to achieving resilience to climate change and develop innovative cereal cultivation systems that are less demanding in terms of resources, ensuring production stability over time, as well as the nutritional quality of the agricultural products. Identification of innovative strategies to improve environmental parameters and socio-economic conditions of cereal agricultural systems.

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Deadline for manuscript submissions

closed (25 May 2026)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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