Special Issue

The Maize-Soybean Intercropping System: Cultivation, Ecology, Physiology and Breeding

Message from the Guest Editors

Maize–soybean intercropping is a widely recognized system that enhances soil nutrient activation, resource utilization efficiency, and land productivity. However, variety selection, field configuration, nutrient management, and pest control are critical for yield improvement. Developing new cultivation techniques, improving soil conditions, identifying genetic loci, and managing weeds, pests, and diseases are essential to boost productivity and sustainability. This Special Issue invites innovative research, reviews, and technical communications on maize–soybean intercropping systems to explore complex agroecosystem interactions. We welcome multidisciplinary studies in genetics, molecular botany, soil science, and crop science. Research articles should focus on field treatments involving maize–soybean intercropping, though pot studies are acceptable. Topics include, but are not limited to:

- New planting modes for enhancing resource use efficiency and yield potential;
- Breeding shade-tolerant soybean varieties;
- Soybean and maize physiological response mechanisms;
- Abiotic and biotic stress management;
- Soil and plant nutrient efficiency.

Guest Editors

Prof. Dr. Feng Yang
Dr. Yüze Li
Dr. Yanyan Zhang

Deadline for manuscript submissions

closed (10 December 2024)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.8

mdpi.com/si/206456

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.8

mdpi.com/journal/agriculture

MDPI

About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, 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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)