

Special Issue

Agronomic Strategies to Improve Adaptability and Stability of Maize Production Systems Under Climate Change

Message from the Guest Editors

Maize, a staple crop that is critical for food security, is highly sensitive to environmental stressors such as extreme temperatures and droughts. The primary aim of this Special Issue is to improve both the adaptability and stability of maize systems to sustain yields under increasingly variable conditions. This involves a multi-faceted approach, including the optimization of planting dates, the improvement of soil health, the selection of climate-resilient maize varieties, and the enhancement of nutrient management. Innovative research in this field leverages advanced breeding techniques, precision agriculture technologies, and predictive modeling. These approaches enable researchers to assess climate risks and develop targeted strategies that maximize the efficiency of water use, mitigate soil degradation, and adapt planting practices to shifting weather patterns. This Special Issue also welcomes the submission of research on agronomic field trials and experimental studies, genotype–environment interactions, soil and water management, precision agriculture and digital tools, climate change impact assessments, and reviews and meta-analyses.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

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