

Special Issue

Advances in Dryland Agriculture Science

Message from the Guest Editors

As climate change, water scarcity, and soil degradation increasingly threaten global food security, innovative and sustainable agricultural practices have become essential for enhancing productivity and environmental resilience. In this context, this Special Issue aims to gather cutting-edge research on agricultural technologies in arid and semi-arid regions, with a particular focus on plant biology, physiology, and technology to enhance crop productivity in dryland areas. These studies not only contribute to optimizing resource use efficiency but also play a crucial role in improving soil health and boosting crop yields in dryland environments. By integrating innovative approaches to water and nutrient management with advances in plant biology and crop physiology, this research will offer new strategies to enhance soil quality, build ecosystem resilience, and mitigate the impacts of climate change. The integration of these diverse practices will provide valuable support in addressing the challenges faced by agriculture in arid and semi-arid regions and facilitate the achievement of sustainable agricultural development in these critical areas.

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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