

## Special Issue

# Advances in Plant Sciences: Climate-Smart Innovations for Sustainability and Resilient Ecosystems

### Message from the Guest Editors

This Special Issue brings together the latest research and creative approaches that connect plant science advancements with sustainability. Topics covered include the following: the development of climate-resilient crops that can thrive in extreme conditions like drought, heat, and salinity; improving resource efficiency through better nutrient management and precision agriculture; and using plant-microbe relationships to promote healthier soils and reduce the need for chemicals. This Special Issue also explores strategies for protecting biodiversity, boosting pollination, and combating climate change through methods like carbon capture and bioenergy production. By combining scientific breakthroughs with practical solutions, this Special Issue promotes a holistic vision for sustainable development. It highlights the powerful role plant science can play in creating resilient ecosystems, sustainable agriculture, and systems that thrive in balance with the environment. We hope it sparks meaningful collaboration toward a more sustainable and fair future for all.

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### Guest Editors

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### Deadline for manuscript submissions

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Sustainability

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# About the Journal

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

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