

Special Issue

In Vitro Culture of Crops: Bridging Heritage and Innovation

Message from the Guest Editor

Harnessing *in vitro* plant cultures to address the dual challenges of biodiversity loss and climate change represents a relatively unexplored scientific frontier. This proposal focuses on emerging technologies and their applications to address global challenges such as climate change, food security, and the production of sustainable resources. This approach bridges conservation, sustainability, and biotechnology, offering innovative tools to preserve crop genetic resources and mitigate the effects of global warming. It also integrates interdisciplinary relevant topics like AI, 3D cultures, and space exploration.

Guest Editor

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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