Special Issue

Applied Artificial Intelligence in Digital Horticulture: Practices and Innovations

Message from the Guest Editors

In the development of modern agriculture, artificial intelligence has achieved initial results in the field of horticulture, and the progress of its research and application continues to promote the development of precision agriculture. This Special Issue focuses on exploring the application and innovation of artificial intelligence technology in the field of digital horticulture, aiming to promote the progress and sustainable development of agricultural science and technology. This Special Issue introduces the technological innovations of artificial intelligence in plant growth monitoring, automatic management, precision irrigation, non-destructive testing and evaluation of fruit and vegetable quality, intelligent perception control systems and cloud platform construction. The journal encourages original research across disciplines, with a particular emphasis on research methods that combine theory and practice. Scholars from all walks of life are welcome to contribute to promote the development of artificial intelligence in digital horticulture, in order to achieve an efficient and intelligent agricultural production system.

Guest Editors

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About the Journal

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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