Special Issue

Harnessing Technology for Precision Viticulture

Message from the Guest Editor

We are pleased to invite submissions of research papers for our upcoming publication focusing on the application of remote sensing technologies and data science methods in precision viticulture. These papers should explore the use of spectral, spatial, and temporal information derived from multi- and hyperspectral imagery, data science methodologies, and crop simulation models to enhance viticultural knowledge.
Topics of interest: 1. Remote Sensing in Agriculture and Viticulture: (1) Use of satellite, manned aerial vehicle (MAV), or unmanned aerial vehicle (UAV) platforms. (2) Multi- and hyperspectral imagery applications, etc.
2. Data Science Methods and Models in Agriculture: (1) Machine learning and deep learning models for crop management. (2) Predictive modeling and simulation for yield forecasting, etc.
3. Weather and Crop Interaction: (1) Understanding the relationship between weather conditions and crop performance. (2) Using weather data for informed agricultural decision making, etc.
4. Applications in Precision Viticulture: (1)Enhanced management practices through multi-sensor integration. (2) Case studies demonstrating improvements in crop management, etc.

Guest Editor

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Deadline for manuscript submissions

closed (25 March 2025)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/209791

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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

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