

## Special Issue

# Sustainable Precision Agriculture: Latest Advances and Prospects

### Message from the Guest Editors

This Special Issue is mainly aimed at collecting manuscripts on the latest advances in precision agriculture with a focus on their positive effect on sustainability, agrochemicals, and fuel reduction for improved future scenarios. Research areas aimed at improving sustainability may include (but are not limited to) the following:

- Precision Agriculture (PA) strategies;
- Precision Livestock Farming (PLF) strategies;
- Variable Rate Technology (VRT) and techniques;
- Remote Sensing (RS);
- Algorithms to prepare prescription maps;
- Human-machine information transfer;
- Critical points in Precision Agriculture management;
- Crop condition monitoring (spectral indices and application);
- Plant disease detection at different scales (proximal sensors, drones, satellites);
- AI (Artificial Intelligence)-based methods and techniques as well as Machine and deep learning;
- Plant phenotyping;
- Robotics and automation;
- Decision Support System (DSS);
- Multi-temporal analysis;
- Life Cycle Assessment (LCA);
- Farm Machinery Management Information Systems (FMMIS).

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### Guest Editors

Dr. Elio Romano

Dr. Carlo Bisaglia

Dr. Andrea Bragaglio

Prof. Giampaolo Schillaci

Dr. Sabina Iole Giuseppina Failla

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### Deadline for manuscript submissions

closed (30 May 2025)



## 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

Prof. Dr. Steve W. Lyon

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