

## 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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

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