

Special Issue

Artificial Intelligence-Driven Green Agriculture for Sustainable Development

Message from the Guest Editors

Digital agriculture has developed rapidly and significantly improved productivity in recent years. However, chemical pesticides, plastic film residues, irrigation water waste and other problems in traditional agricultural production still present serious setbacks in different countries and regions. Smart agricultural research driven by artificial intelligence could solve these problems and aid the pursuit of realizing green agriculture for sustainable development. This Special Issue will publish both original articles and reviews considering intelligent applications in agriculture. Papers covering artificial intelligence techniques advancing sustainable development are welcome.

- The early and timely identification and monitoring of crop pests and diseases, preventing major disasters;
- Soil moisture monitoring and weather prediction, informing irrigation for water saving;
- Unmanned harvesting machines, which coordinate operations to increase harvest efficiency and reduce fuel consumption and carbon emissions;

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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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