

Special Issue

Intelligent Computing and Sensing Systems for Sustainable Precision Agriculture

Message from the Guest Editor

This Special Issue aims to present cutting-edge research and innovative applications at the intersection of artificial intelligence, advanced sensing, and scalable computing systems to advance sustainable precision agriculture. With growing challenges such as climate uncertainties, resource scarcity, and increasing global food demand, there is an urgent need to develop intelligent, efficient, and environmentally responsible farming solutions. This Issue will gather high-quality contributions that explore how data-driven technologies—including IoT, edge and cloud computing, robotics, and AI—can be integrated to enable real-time monitoring, decision-making, and autonomous operations in agricultural systems. We welcome original research and review articles that address both theoretical advances and practical implementations supporting the transition toward more productive, resilient, and sustainable agricultural practices.

Guest Editor

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