

Special Issue

Application of Artificial Intelligence in Crop Monitoring

Message from the Guest Editors

Artificial Intelligence (AI) in crop monitoring has emerged as a transformative tool in modern agriculture, leveraging advanced technologies for precise farm management to enhance agricultural productivity and sustainability. AI now integrates data from satellite imagery, drones, and IoT sensors to monitor crop health, predict yields, and optimize irrigation and fertilization. This Special Issue aims to explore the application of AI in crop monitoring, focusing on innovative AI techniques to improve crop health management, optimize agricultural practices, and enhance sustainability. The scope of this Special Issue includes AI-driven solutions in crop health monitoring, pest and disease detection, precision farming, yield forecasting, and resource optimization. Cutting-edge research in this Special Issue focuses on AI-driven solutions, such as machine learning and deep learning for crop monitoring, early pest detection, and yield prediction. It also explores the integration of geospatial data and IoT for precision farming.

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