

## Special Issue

# Precision Agriculture with Deep and Machine Learning

### Message from the Guest Editors

As a method of farm management, precision agriculture (PA) uses information technology (IT) to precisely provide plants and soil with their needs for optimum growth and yield. Profitability, sustainability, and environmental safety are the aims of PA. Precision agriculture heavily depends on specialized hardware, software, and IT services. Moreover, digital technology has boosted the industrialization of agriculture. Mechanization has ushered in Agriculture 4.0, where intensive agriculture now represents a major contributor to production efficiency. This includes GPS, Big Data, IoT, cloud computing, and image feature extraction. This Special Issue gathers research and review articles on recent breakthroughs, technologies, solutions, applications, and emerging challenges in precision agriculture.

### Guest Editors

Dr. Mohamed Shehata

Dr. Mahmoud Badawy

Prof. Dr. Mostafa Elhosseini

### Deadline for manuscript submissions

closed (1 July 2023)



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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