

## Special Issue

# Research Progress of Intelligent Agricultural Technology and the Practice of Unmanned Farms

### Message from the Guest Editors

It is the era of artificial intelligence, which also applies to agriculture. Quite a number of digital and unmanned farms have been brought into practice in order to explore the potential of intelligent farming technologies.

In these unmanned farming practices, sensing technology and intelligent agricultural machinery are playing the most important roles in enhancing field management efficiency. This Special Issue will include cutting-edge research on the development and implementation of the sensor identification of factors influencing plant growth, fertility, and pest management. Papers are requested that address the latest developments for a wide range of tasks related to precision agriculture, including research and recent advances in the following areas related to the field management of crops: Sensor-wise NPK evaluation and measurement.

Herbicide stress recognition, monitoring, and evaluation of both weeds and plants.

Stress or growth triggered by mechanical weed management.

Plant phenotyping.

Precision farming techniques and their effect on plant growth, fertility, and pest management.

Using AI for plant and pest identification.

Robotic pest management.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2024)



## Agronomy

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### Editor-in-Chief

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