AGRONOMY RESEARCH

RECENT TRENDS IN MULTISENSORY SYSTEMS FOR SMART AGRICULTURE

ABOUT THE SPECIAL ISSUE

Smart agriculture is an upcoming trend that has recently emerged in the agricultural sector. Shortly, technologies of visual and multiple sensory systems based on the Internet of Things will become a standard for many customers for smart agriculture.

In a smart farming system, multisensory information is collected from farmlands using heterogeneous sensors, including camera-based and image sensors. Once collected, this information must undergo intelligent data processing to achieve real-time detection and accurate prediction of agriculture events along with the prediction of plant growth parameters. Advances in multi-sensor networking, big data management, and artificial intelligence are expected to revolutionize the agriculture industry. An agricultural automation system is necessary because it improves efficiency reduces human effort and time consumption.

This special issue gathers recent advances in developing multisensory systems for different facets of smart agriculture.

DEADLINE FOR FULL PAPERS SUBMISSION:

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TOPICS

- Design and analysis of novel agricultural remote monitoring
- Decision support network for crop healthcare monitoring
- IoT in agriculture
- Recent advances in the multisensory system for smart agriculture
- Information Technology and Data Science Applications for Smart Agriculture
- Automated smart agriculture systems
- Implementation and evaluation issues of a multisensory system for smart agriculture
- Automated climate control systems
- Mobile robots for farming
- Remote sensing and image processing
- Smart detection for wastewater management and pest management in agriculture
- Smart sensing for agriculture and water supply management

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