

## Special Issue

# Sensing Technologies for Agricultural Automation and Robotics

### Message from the Guest Editor

Novel sensing and machine vision systems, sensor and data fusion techniques, and efficient data analytics are crucial to support all aspects of automated/robotic and smart farming operations including, but not limited to; i) perceiving and understand the farming environment; ii) understanding stresses/status and needs of crops; iii) assessing crop growth and maturity, iv) localizing various objects of interest and obstacles in the field environment for automated/autonomous operations; v) guiding robotic machines through fields and for performing specific tasks; vi) collaborating with human and other robotic machines; and vii) providing operation, supervision, diagnostics, and maintenance capabilities to farmers/operators.

### Guest Editor

Prof. Dr. Manoj Karkee

Biological Systems Engineering Department, Center for Precision & Automated Agricultural Systems, Washington State University, Pullman, WA, USA

### Deadline for manuscript submissions

closed (30 June 2021)



## 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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