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Special Issue Reprint

Sensors and Robotics for Digital Agriculture

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This reprint provides insight into the recent advances in systems and processes in the field of sensors and robotics and their applicability in agricultural environments within the concept of digitizing agriculture with the aim of maximizing the efficiency and sustainability of crop and livestock production. Special focus is given to the areas of artificial intelligence and machine learning for the development of applications and tools to support farmers and farm managers in making timely and informed decisions for both crop and livestock management. Unmanned aerial and ground systems are gaining popularity. In this reprint, emphasis is given to the application of autonomous systems and robotics in agriculture for the automated performance of different tasks such as field scouting, soil sampling and analysis, and crop harvesting, among others. The interaction between machines and humans in agricultural environments is also discussed.

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