



## Applications of Deep Learning in Smart Agriculture

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### Message from the Guest Editors

Smart agriculture has recently gained increasing attention due to the growing importance of sustainable food production and resource management, as well as the opportunity offered by the emergence of digital hardware and software technologies. It can address the new agronomy challenges related to cropping system optimization for improving productivity and reducing environmental impacts. Smart agriculture is based on several state-of-the-art innovations in sensors, variable-rate technology, geospatial information, Internet of Things, open-source algorithms, artificial intelligence, machine learning, and high-performance computing. This joint Special Issue of *Agronomy* and *Remote Sensing*, titled “Applications of Deep Learning in Smart Agriculture,” aims to present the original analytical methods based on deep learning for transforming diverse agro-environmental data from machinery, drone, airborne, and satellite sensors into relevant information to support various agronomy applications.





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