



Data-Driven Agricultural Innovations with Artificial Intelligence and Industrial Internet of Things (IIoT)

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Message from the Guest Editors

The agricultural sector has a rich history of adopting novel technologies to boost productivity, decrease risk, and improve sustainability. The opportunities presented by such technological integration are numerous, but they also come with new and evolving challenges. Innovations including real-time monitoring and controlling crop irrigation systems via smartphones, crop sensors, intelligent livestock farming technology using UAV-based computer vision and deep AI technologies, farm automation, indoor vertical farming, modern greenhouses, precision agriculture, blockchain for distributed data sharing and commodity exchange, and access to the industrial internet of things through the fog and edge computing, have all benefited the agricultural sector. One shared characteristic of these technologies is the important role that "data" plays in driving their success by achieving the proposed benefits.





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Message from the Editor-in-Chief

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