

Special Issue

Data-Driven Agricultural Innovations

Message from the Guest Editor

The agricultural sector has a rich history of innovations and adoption of novel technologies for productivity increase, risk reduction, and sustainability improvement. There is a growing trend of digital and communications technology uptake by farmers and policy makers alike to address issues that have arisen due to climate change, scarcity of resources, rising global population, disruption of supply chains by the pandemic and by natural disasters, etc., which can hamper efficiency and significantly impact business models in the agricultural sector. The opportunities are numerous, but they also come with new challenges. This Special Issue will cover “Data-Driven Agricultural Innovations” across different data scales and resolutions. Contributions are welcome to address key issues in data collection, (big) data analysis, data storage, data management, and data transfer and sharing through applying scientific approaches and methodologies from multiple disciplines, including Artificial Intelligence, machine learning, computer vision, data science, geographical information system, remote sensing, crop science, horticulture, and animal science, to name a few.

Guest Editor

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