



Innovation and Technology for Sustainable Agriculture

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Message from the Guest Editors

Agriculture has been facing several threats, such as climate change, water and land scarcity, soil degradation, urbanization and land use change, invasive species and diseases. While all these threats are daunting for the sustainability of food systems, innovation and technology may yield solutions in this era. In the classical sense the innovation and technology for sustainable agriculture include appropriate land, water, and nutrient management; pest control; crop cultivar selection and development; and farm equipment to improve crop productivity. In addition, biotechnologies, digital technologies, renewable energy technologies, and mechanization are also valuable directions.

In this Special Issue, original research articles and reviews are welcome. Research areas may include:

- Climate change impact, mitigation and adaption strategies
- Climate-smart farming
- Agricultural eco-efficiency
- Low-carbon agriculture
- Organic farming
- Urban agriculture
- Precision agriculture
- Values-based supply chains
- Nutrition and food systems education
- Soil nutrient management
- Water use efficiency
- Water quality management
- Social equity in agriculture
- Youth in agriculture





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Message from the Editor-in-Chief

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