

Special Issue

Smart Farming and Bioenergy Feedstock Crops

Message from the Guest Editors

Agriculture has seen many revolutions starting from the domestication of plants and animals, practicing crop rotation and mechanization and “green revolution”. Currently, agriculture is going through a new phase/era of technical advancement which involves the use of information and technology for better yield and productivity. Smart farming has enabled the use of robotic vehicles for various purposes such as weeding, fertilization, biomass and yield estimation, detection of diseases and even harvesting of fruits. Smart farming is going to make agriculture more profitable and less labor-intensive and will reduce the risk of crop loss. Although technical advancement in agriculture is taking place, it still has certain limitations such as the high cost of adoption and the time to develop site- and crop-specific technology. Bioenergy feedstocks have gained importance in recent years because of their renewable nature and the increasing cost and limited reserve of non-renewable fuel sources. Use of smart farming for the advancement of bioenergy feedstock crops will play an important role in their overall adoption and in meeting our fuel and energy needs.

Guest Editors

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