

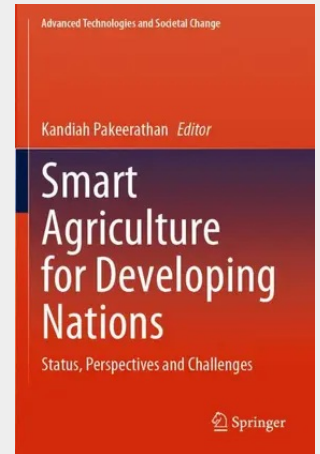
Smart Agriculture for Developing Nations

Status, Perspectives and Challenges

This book in its eighteen chapters provides sustainable and smart technology-based solutions to developing nations. Smart farming is growing in importance due to the increasing demand for higher crop yield, the need for using natural resources efficiently, the rising use and sophistication of information and communication technology and the increasing need for climate-smart agriculture. Some of these chapters deal with the applications of smart agriculture to address the special challenges of the Small Island Developing States for sustainable agriculture. The book brings together scientific communities from India, Indonesia, Iraq, Malaysia, Mauritius, Myanmar, Palestine, Sri Lanka and South Africa to share their expertise to make the farming system more connected and intelligent. The smart farming techniques shared in different chapters not only help to reduce the overall cost and improve the quality and quantity of products but altogether help improve the sustainability of agriculture in the developing world.

'Smart Farming' is a management concept focused on providing the agricultural industry with the infrastructure to leverage advanced technologies—including artificial intelligence (AI), big data, robotics, drones and Internet of Things (IoT)—for tracking, monitoring, automating and analyzing operations. Sometimes known as precision agriculture, smart farming is software managed and sensor monitored.

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