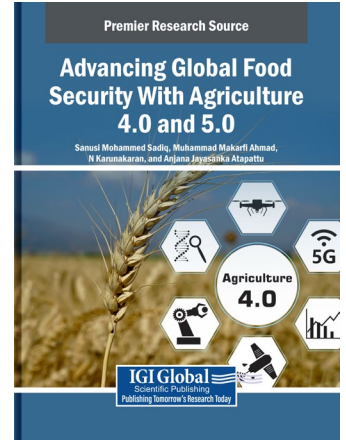


Advancing Global Food Security With Agriculture 4.0 and 5.0

Sanusi Mohammed Sadiq (Federal University, Dutse, Nigeria)
 Muhammad Makarfi Ahmad (Bayero University, Kano, Nigeria)
 N. Karunakaran (People Institute of Management Studies, India)
 Anjana J. Atapattu (Coconut Research Institute of Sri Lanka, Sri Lanka)



Description:

Advancing global food security through Agriculture 4.0 and 5.0 represents a shift in the production, distribution, and consumption of food, leveraging the power of cutting-edge technologies to address the challenges of hunger, resource scarcity, and climate change. Agriculture 4.0 has begun to revolutionize farming practices by optimizing crop yields, improving resource management, and enhancing supply chain efficiencies. This technological revolution allows farmers to make data-driven decisions, reduce waste, and increase productivity while minimizing environmental impact. Agriculture 5.0 blends advanced technologies with sustainable practices to foster productivity and social and environmental well-being, creating a more resilient and equitable global food system. Further exploration of these two phases may enhance food security, ensuring access for a growing global population.

Advancing Global Food Security With Agriculture 4.0 and 5.0 examines the transformative impact of advanced technologies on agricultural practices and their role in ensuring food security worldwide. It explores the integration of cutting-edge technologies like artificial intelligence, Internet of Things, robotics, and big data analytics into traditional farming methods. This book covers topics such as climate change, farming systems, and livestock management, and is a useful resource for farmers, agriculturalists, climatologists, business owners, academicians, researchers, and scientists.

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