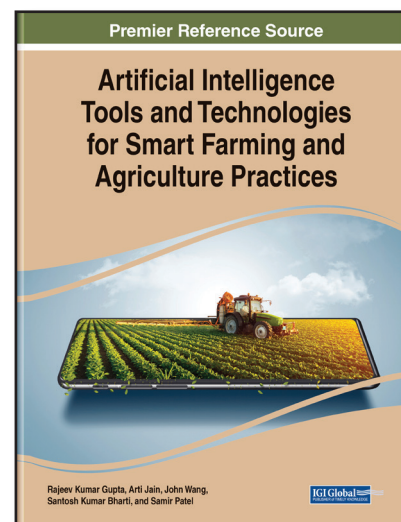


Artificial Intelligence Tools and Technologies for Smart Farming and Agriculture Practices

Part of the Practice, Progress, and Proficiency in Sustainability Book Series

Rajeev Kumar Gupta (Pandit Deendayal Energy University, India), Arti Jain (Jaypee Institute of Information Technology, India), John Wang (Montclair State University, USA), Santosh Kumar Bharti (Pandit Deendayal Energy University, India) and Samir Patel (Pandit Deendayal Energy University, India)



Description:

There are various factors that influence the quality and quantity of agricultural products; among them, weather conditions play the most significant role in agriculture. More reliable weather forecasting enables farmers to make important planting and harvesting decisions that can enhance agricultural yield. Thus, there is a dire need to combine all available modern technologies and agricultural science for economic and environmentally sustainable crop production. In this direction, artificial intelligence (AI) serves as a budding solution in the domain of agriculture practices.

Artificial Intelligence Tools and Technologies for Smart Farming and Agriculture Practices discusses various tools and technologies that can be used in smart farming and agriculture practice and explores the role of different emerging technologies like the internet of things, big data, machine learning, deep learning, and AI from agricultural prospects. Covering key topics such as farming, pests, soil, and weeds, this premier reference source is ideal for environmentalists, farmers, agriculturalists, industry professionals, researchers, academicians, scholars, practitioners, instructors, and students.

ISBN: 9781668485163

Pages: 320

Copyright: 2023

Release Date: June, 2023

Hardcover: \$225.00

Softcover: \$170.00

E-Book: \$225.00

Hardcover + E-Book: \$270.00

Topics Covered:

Agriculture
Agriculture Sustainability
Artificial Intelligence
Deep Learning
Farming
Meteorology

Pests
Soil
Sustainability
Water
Weeds

Subject: Environmental, Agricultural, and Physical Sciences

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA