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Autore	Pathak Himanshu
Titolo	Advances in Agri-Food Systems : Volume II // edited by Himanshu Pathak, W. S. Lakra, A. Gopalakrishnan, K. C. Bansal
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Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (487 pages)
Collana	Biomedical and Life Sciences Series
Altri autori (Persone)	LakraW. S GopalakrishnanA BansalK. C
Disciplina	630
Soggetti	Agriculture Agricultural biotechnology Agricultural genome mapping Agronomy Agriculture - Economic aspects Agricultural Biotechnology Agricultural Genetics Agricultural Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Fast Track Breeding Approaches in Fruit Crops for targeted Genotype Development -- 2. Challenges and Opportunities around Seed Delivery, Scaling and Extension Mechanisms for Smallholders in South Asia -- 3. Horticultural Crops: Potential for developing Functional foods and Nutraceuticals -- 4. Next Generation Spices for Nutraceuticals -- 5. Creating Agri Startups Ecosystem to Empower Youth and Women in Amrit Kaal -- 6. Novel Biomolecules from Horticultural Crops and Their Role in Therapeutics and Health Benefits -- 7. From Farm to Fork: Role of FPOs and Agri-startups in India -- 8. Reorienting Price Policy for Food Security, Economic Viability and Environmental Sustainability in India -- 9. Meat Sector Visioning and Action Agenda for Continued Food Security -- 10. Integrated Farming Systems for Higher Sustainable

Natural Resources in Intensive Systems -- 11. Changing Pattern of Demand for Agri-processed Commodities: Roadmap for Food System in India -- 12. Cost of Diversification of Food Diets through ICDS and PM-Poshan- A Case of Telangana -- 13. Genome Editing in Legumes: Current Status -- 14. Genome Editing in Vegetable Crops for Improvement of Biotic and Abiotic Stress Tolerance -- 15. Trends and Approaches in Hyperspectral Imaging for Detection of Fungal Contamination in Food Crops -- 16. Addressing Dual Burden of Malnutrition in India: Role of Food Systems -- 17. Empowering Nutrition: Biofortification to Combat Hidden Hunger -- 18. Food Processing role to Achieve Sustainable Development Goals -- 19. Prospects of Genome Edited Livestock for India -- 20. Millets (Shree Anna) Ancient Grains for Future Challenges -- 21. Dairy Value Chain for Food and Income Security.

Sommario/riassunto

This edited volume, titled "Advances in Agri-Food Systems", is the second volume in a set that comprises of contributed chapters from 22 leading experts in the fields of agriculture and allied sectors. These chapters are primarily based on invited lectures delivered by experts during the XVI Agricultural Science Congress, held in Kochi, India, from October 10-13, 2023. The book provides an overview of recent advancements in the role of agriculture and food systems towards sustainability in the era of climate change. Topics include field crops, horticultural crops, the livestock sector, nutritional aspects, the application of the latest field-based technologies, and agriculture-related policies and institutions. Some of the key subjects covered are: Fast Track Breeding Approaches in Fruit Crops; Genome Editing in Legumes; Genome Editing in Vegetable Crops; Genome Edited Livestock; Functional Foods and Nutraceuticals; Integrated Farming Systems; and the Changing Pattern of Demand for Agri-processed Commodities, among others. This book aims to exchange and share the latest research findings, ideas, and experiences on all aspects of agri-food systems to formulate pathways for transforming our agri-food system to meet the United Nations Sustainable Development Goals (SDGs) by 2030. It provides valuable insights and knowledge to a diverse audience, including scientists, academicians, students, entrepreneurs, farmers, policymakers, and others.

2. Record Nr.	UNINA9910566480703321
Autore	Krishnappan Bommanna
Titolo	Modelling of River Flows, Sediment and Contaminants Transport
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (152 p.)
Soggetti	Environmental science, engineering and technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book presents five articles that are also part of a Special Issue titled: Modelling of River flows, Sediment and Contaminants Transport published in the Water Journal under the section: Water Erosion and Sediment Transport. It covers a wide range of topics, such as predicting the impacts of wildfires on sediment transport and water quality in a mountainous region and estimating the sediment erosion due to release of ice-jams in cold region rivers.