

1. Record Nr.	UNINA9910780890703321
Autore	Swaminathan Monkombu Sambasivan
Titolo	Science and sustainable food security [[electronic resource] ] : selected papers of M S Swaminathan / / M S Swaminathan
Pubbl/distr/stampa	Singapore ; ; Hackensack, N.J., : World Scientific, c2010
ISBN	1-282-76132-3 9786612761324 981-4282-11-1
Descrizione fisica	1 online resource (439 p.)
Collana	IISc centenary lecture series ; ; v. 3
Altri autori (Persone)	BorlaugNorman E <1914-2009.> (Norman Ernest)
Disciplina	338.19
Soggetti	Agricultural innovations Agricultural productivity Green Revolution Food supply
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers dedicated to Dr. Norman E. Borlaug, 1914-2009.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Dedication; Acknowledgment; Foreword; About the Editor; Introduction; Combining Yield and Quality in Rice; Economics of Pusa Basmati 4 cultivation;; Area under Pusa 1121 cultivation during Kharif 2007;; Release of Pusa 1121 in Punjab;; State of Indian Agriculture Today and the Way Ahead; Defending the Gains; Overcoming the Technology Fatigue; Training; Techno-infrastructure; Trade; References; Section I: Food Security and Economic Development - How science is applied to solve problems of poverty, drought and famine; Commentary 1. Swaminathan, M.S. (1983). Agricultural Progress - Key to Third World Prosperity. Third World Quarterly 5(3): 553-566.2. Swaminathan, M.S. (1990). Changing Nature of the Food Security Challenge: Implications for Agricultural Research and Policy. Sir John Crawford Memorial Lecture (Consultative Group on International Agricultural Research (CGIAR), Washington DC.; Food Security Challenges Today; Technology and Food and Ecological Security; Response to the Challenges Ahead; Biotechnology: Opportunities; Biotechnology and Third World Concerns; Biodiversity and Biofuture; Food and Jobs

Research for Tomorrow3. Swaminathan, M.S. (2001). Bridging the Nutritional Divide - Building Community Centred Nutrition Security Systems. The Little Magazine, Year end, 2001 , pp. 15-25.; GROWING DISPARITIES; NUTRITION PROFILE AMONG A FEW NATIONS IN ASIA: ROLE OF NON-NUTRITIONAL FACTORS; CHALLENGES AHEAD; MEETING THE CHALLENGES; BUILDING A SUSTAINABLE COMMUNITY NUTRITION SECURITY SYSTEM; AGENDA 2007: A HUNGER-FREE INDIA; REFERENCES;

4. Swaminathan, M.S. (2004). Africa's Rainbow Revolution. TWAS Newsletter 3/4, 10,72-76.; ACTION

5. Sanchez Pedro, A. and Swaminathan, M.S. (2005). Hunger in Africa: The Link Between Unhealthy People and Unhealthy Soils. The Lancet - Vol. 265, Issue 9457,29 January 2005,442-444.Understanding Africa's food productivity crisis; Time for a 21st century green revolution for Africa; Contributors; Acknowledgments; References;

6. Sanchez Pedro, A. and Swaminathan, M.S. (2005). Cutting World Hunger in Half. Science 307(5708): 357-359.; Diagnosis; Recommendations; Entry Points; Resources Needed; It Can Be Done; References and Notes

7. Swaminathan, M.S. (2007). Can Science and Technology Feed the World in 2025? Field Crops Research 104: 3-9.Technology; Training; Techno-Infrastructure; Trade; Shaping our Agricultural Future - A three pronged Strategy; Defending the Gains; Extending the Gains; Making New Gains; References;

8. Parry, Martin L. and Swaminathan, M.S. (1992). Effects of Climate Change on Food Production. Confronting Climate Change: Risks, Implications and Responses. Irwing, M, Montzer (ed.) Cambridge University Press, pp. 113-115.; Editors Introduction; 1. Introduction

2. The Most Threatening Types of Climate Change

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## Sommario/riassunto

This book provides a roadmap for achieving sustainable agricultural advance and food security in an era of climate change and global economic melt-down. The contents include a description of the paradigm shift under the leadership of the author, from a green to an ever-green revolution necessary for advancing productivity in perpetuity without ecological harm. Science and Sustainable Food Security shows many methods of linking ecological security with livelihood security, and provides a scientific basis for entering an era of biohappiness based on the sustainable and equitable use of biodiversity. Also, methods of adaptation to the impact of global warming are described. This book will prove invaluable to all interested in sustainable human security and happiness.

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2. Record Nr.	UNINA9911021968903321
Autore	Saraswat Mukesh
Titolo	Proceedings of International Conference on Computational Intelligence : ICCI 2024 // edited by Mukesh Saraswat, Ritu Tiwari, Mario Pavone, Mukesh Zaveri
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9645-39-5
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (717 pages)
Collana	Algorithms for Intelligent Systems, , 2524-7573
Altri autori (Persone)	TiwariRitu PavoneMario ZaveriMukesh
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Machine learning Big data Telecommunication Computational Intelligence Artificial Intelligence Machine Learning Big Data Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Photovoltaic Substation Voltage Forecasting Optimization Using Modified Metaheuristic and Gated Recurrent Unit Networks -- Enhancing Neural Architecture Search: A Comparative Optimization Framework -- Deep Learning-Driven Blood Vessel Segmentation for Early Detection and Classification of Diabetic Retinopathy -- A Comprehensive Hybrid Metaheuristic Algorithm: Leveraging Coyote and Chimp Optimization for Optimal Performance -- Modifying Metaheuristic Optimizers for Hyperparameter Tuning of Machine Learning Models Tackling Malicious Node Detection in Blockchain Networks -- Innovative Skin Disease Diagnosis: A Hybrid Learning

Framework for Skin Cancer Detection -- Depth Estimation for Autonomous Vehicles with Enhanced Perception -- Hybridizing CNN with an LSTM Back-End for Univariate Rainfall Forecasting -- Enhancing ECG Abnormality Detection using Image Processing and Transfer Learning Approach -- Enhancing Transformer Efficiency through Active Learning and Knowledge Distillation -- Enhancing Dyslexia Classification using Feature Selection and Ensemble Learning Models on Eye-Tracking Data -- Classification of Arrhythmia Data and QRS Peak Detection for Feature Extraction using SVM Classifiers -- Effects of Environmental and Agronomic Factors on Crop Yield at Different Phenological Stages -- Classification Models for Predicting Accident Severity and the Impact of Factors Contributing to Severity -- A Weighted Deep Learning Approach to Identify Nucleic Acid-Binding Proteins -- Predictive Analytics in Financial Transactions: A Comparative Study for Customer Risk Assessment and Revenue Prediction -- Enhancing Renewable Energy Planning: Machine Learning-based Solar Radiation Prediction -- From Text to Treatment: Predicting Mental Health Needs through Language Analysis and Machine Learning -- A Systematic Review of Deep Learning Techniques for Enhancing Public Safety through Video Surveillance -- Particle Swarm Optimization Algorithm for Quasi-total Roman Domination -- Automatic Detection of Erythrocytes for Sick Cell Disease Identification Based on YOLOv8n Network -- Exploring the Effectiveness of Collaborative and Content-Based Filtering Techniques in Movie Recommendation Systems with Explainable AI -- Deep Learning-Based Classification of Lung, Kidney, and Breast Cancer Tumor Tissues using Whole Slide Images from the TCGA Database -- Foot Pressure and 3D Skeleton based Multimodal Approach for Pathological Gait Classification -- A Study on Generative Adversarial Network (GAN), Neural Style Transfer (NST) and Autoencoders -- MTL-SDCNN-Based Pre-and Post-Harvest Disease Prediction of Wheat and Paddy Crops -- Mining Association Rules among Biophysical Water Parameters using Improved Frequency Pattern Growth Algorithm -- Deep Learning Approach for Detection and Classification of Alzheimer's Disease -- Advancements in Voice Pathology Detection: A Comprehensive Bibliometric and Visual Network Analysis -- Railway Track Crack Detection System -- Enhancing Security with a Custom Authenticator App and Comprehensive Zero Trust Architecture -- Super-Resolution of MRI Images using Deep Learning for Enhanced Medical Diagnostics using Altair Rapidminer Studio -- Exploring the Role of ICT Tools for Autism Spectrum Disorder Support: A Survey-Based Study -- Advanced Data Analytics for Organ Donation Tracking using AI and Blockchain -- Adaptive Trust Based Secure Routing Protocol for Wireless Adhoc Network -- Stochastic Particle Swarm Optimization with Bayesian Inference for Hyperparameter Optimization in CNN for Image Classification -- MultiBand Microstrip Patch Antenna for C-Band Applications -- Thoracic Disease Detection and Classification Using Chest X-rays: A Deep Learning Approach with ResNet-50 and DenseNet-121.

## Sommario/riassunto

This book presents high-quality research papers presented at International Conference on Computational Intelligence (ICCI 2024) held at Sardar Vallabhbhai National Institute of Technology, Surat, India, during 24–26 December 2024. The topics covered are artificial intelligence, neural network, deep learning techniques, fuzzy theory and systems, rough sets, self-organizing maps, machine learning, chaotic systems, multi-agent systems, computational optimization ensemble classifiers, reinforcement learning, decision trees, support vector machines, hybrid learning, statistical learning, metaheuristics algorithms, machine vision, Internet of Things, image processing,

image segmentation, data clustering, sentiment analysis, big data, computer networks, signal processing, supply chain management, web and text mining, distributed systems, bioinformatics, embedded systems, expert system, forecasting, pattern recognition, planning and scheduling, time series analysis, human-computer interaction, web mining, natural language processing, multimedia systems, and quantum computing.

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