

AGRICULTURE AND ALLIED SCIENCES

NOVEMBER 2014

AGRICULTURE SCIENCE

PLANT BIOCHEMISTRY AND BIOTECHNOLOGY

PLANT PATHOLOGY

PLANT PHYSIOLOGY
AGRICULTURE ENGINEERING

SOIL SCIENCE

METEOROLOGY

FOOD SCIENCE

FORESTRY

HORTICULTURE

VETERINARY/FISHERIES

AGRICULTURE SCIENCE - PLANT BIOCHEMISTRY AND BIOTECHNOLOGY

Page - Years - Years | Page - Years - Years - Years | Page - Years - Years - Years | Page - Years -

Modern Methods of Plant Analysis, 7 Vol. set

K. Paech and M.V. Tracey

Contents:: Volume - I • General methods for separation • Making and Handling Extracts • Electrical-Transport methods • Colorimetric, Absorptimetric and Fluorimetric methods • Principles of Biological assay • Methods of involving labelled atoms • Estimation of pH values • Oxidation-Reduction potentials • Gasometric analysis in plant investigation • Cytochemical methods • Mineral components and ash analysis Volume - II • Mono- and Oligosaccharides and Acidic Monosaccharide Derivatives • Acyclic Sugar Alcohols • Phosphorylated Sugars • Starch, Glycogen, Fructosans and Similar Polysaccharides • Cellulose and Hemicelluloses • Pectin • Chitin • The Analysis of Plant Gums and Mucilages • Glycosides as a General Group • Fats and Other Lipids Volatile Alcohols, Aldehydes, Ketones and Esters • Volatile Acids • Non Voltatile Mono-, Di- and Triarboxylic Acids • Lactones Volume - III • Pyrethring and Allied

Compounds • Triterpene und Triterpen-Saponine • Carotenoids • The Determination of Rubber and Gutta in Plants • Simple Benzene Derivatives • Natural Tropolones • Natural Phenylpropane Derivatives • Lignans • Growth substances in Higher plants • Antibiotics Volume - IV • Peptides (Bound Amino Acids) and Free Amino Acids • Proteins • Seed Proteins • Methods of Determining the Nutritive value of Proteins • Urea and Ureides • Chlorophylls: Analysis in Plant Material • Haematin Compounds • Nucleic Acids, their Components and Related Compounds • Adenosine Diphosphate, Adenosine Triphosphate • Codehydrasen I und II (Diphospho-pyridin-nucleotid) • Thiamine and its Derivatives • The Alkaloids • Amine und Betaine • Melanins Volume • V • Emission and Atomic Absorption Spectrochemical Methods • Mass Spectrometric Methods • Plant Spectra: Absorption and Action • Vapour Phase Chromatography • Ion-Exchange Chromatography • Paper Chromatography on a Preparative Scale • Determination of Size, Shape and Homogeneity of Macromolecules in Solution • Optical Rotatory Dispersion • Its Application to Protein Conformation • Tissue and Single cell Cultures of Higher Plants as a Basic Experimental Method • Immunological Methods • Polarography and Tensammetry • Fallout Contamination in Plants Volume • VI • Determination of Sulfhydryl Groups • Humulones, Lupulones and Other Constituents of Hops • Lichen Substances • Kinetin and Kinetin-Like Compounds I • General Methods of Enzymology • Interpretation of Results II • General Methods of Preparation • General Methods of Enzymes • Enzymes • Enzymes • Enzymes of vitamin metabolism • Enzymes of phosphate metabolism • Enzymes of inorganic nitrogen metabolism • Enzymes of vitamin metabolism • Enzymes of peptide and protein metabolism • Enzymes of synthesis • Enzymes of synthesis • Enzymes of the Krebs cycle, the Glyoxalate cycle and related enzymes • Enzymes of terminal respiration • Summary of Recommendations on Enzyme Ferminology

Rpt. 2011 9788132203636 542 pages BSPSPR HB Set Price: 17,995.00



Biological Standardization, 2nd Ed.

J.H. Burn, D.J Finney and L.G. Goodwin

Contents: 1. Units of measurement 2. The classification of methods 3. Statistical analysis 4. Pituitary (Posterior lobe) extract 5. Insulin 6. The hormones of the suprarenal gland 7. Thyroid 8. Parathyroid extract

9. The ovarian hormones 10. Male hormones 11. Anterior lobe of the pituitary gland 12. Vitamin D 13. Digitals, strophanthus and squill 14. Antipyretic and analgesics 15. Atropine substitutes 16. Local Anaesthetics 17. Gastric secretion 18. Secretin and Pancreozymin 19. Quinidine substitutes 20. Curare-like compounds 21. Anthelminthic substances 22. Trypanocidal substances

2011 BSPOUP 978-0-19969-497-6

·19909-49/-0

439 pages *Rs. 1650.00



Modern Phytochemical Methods

Nikolaus H. Fischer, Murray B. Isman and Helen A. Stafford

Contents: 1. New Developments in the Separation of Natural Products 2. Recent Advances in High-Performance Liquid Chromatography of Volatile Natural Products 3. Enantioselective Separations in Phytochemistry 4. Supercritical Fluid Chromatography for the Analysis of Natural Products 5. Immobilized Artificial

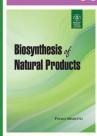
Membrane Chromatography 6. Mass Spectrometry in the Chemistry of Natural Products 7. Structure Elucidation of Natural Products by Mass Spectrocopy 8. Modern NMR Method in Phytochemical Studies 9. Trichrome Microsampling of Sesquiterpene Lactones for the Use of Systematic Studies 10. Biosynthetic Methods for Plant Natural Products: New Procedures for the Study of Glandular Trichrome Constituents 11. Quantitative Structure-Activity Relationship Analysis of Natural Products: Phototoxic Thiiophenes.

2010 407 pages

BSPSPR

978-81-84895-35-3 B Rs.895.00

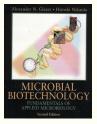
AGRICULTURE SCIENCE - PLANT BIOCHEMISTRY AND BIOTECHNOLOGY



Biosynthesis of Natural Products

Paolo Manitto

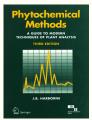
Rpt. 2010 978-81-26525-19-5 548 pages PB Rs. 995.00



Microbial Biotechnology Fundamentals of Applied Microbiology, 2nd Ed.

Glazer

2008 978-0-521-72967-3 554 pages PB Rs. 650.00

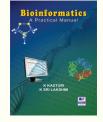


Phytochemical Methods:

A Guide to Modern Techniques of Plant Analysis 3rd Ed.

Harborne A.J.

Rpt. 2008 978-81-8128-310-8 320 pages PB Rs. 795.00

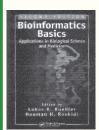


Bioinformatics:

A Practical Manual

K. Kasturi & K. Sri Lakshmi

2010 978-81-88449-16-3 92 pages PB Rs. 90.00

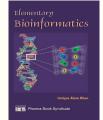


Bioinformatics Basics:

Applications in Biological Science and Medicine, 2^{nd} Ed.

Hooman H. Rashidi and Lukas K. Buehler

Rpt. 2007 978-0-8493-1283-0 312 pages PB Rs. 695.00



Elementary Bioinformatics

Imtiyaz Alam Khan

Rpt. 2008 978-81-88449-09-5 289 pages PB Rs. 225.00

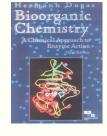


Emerging Trends in Mycology, Plant Pathology & Microbial Biotechnology

G. Bagyanarayana, B. Bhadraiah,

I. K. Kunwar

2006 81-7800-081-4 650 pages HB Rs. 895.00

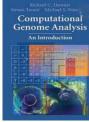


Bioorganic Chemistry:

A Chemical Approach to Enzyme Action, 3rd Ed.

Hermann Dugas

Rpt. 2007 978-81-8128-044-2 700 pages PB Rs. 795.00

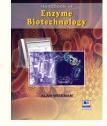


Computational Genome Analysis:

An Introduction (Statistics for Biology & Health)

Richard C. Deonier, Simon Tavaré and Michael S. Waterman

Rpt. 2008 978-81-8128797-7 535 pages PB Rs. 1650.00



Handbook of Enzyme Biotechnology

Alan Wiseman

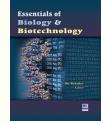
Rpt. 2010 978-81-88449-17-0 275 pages PB Rs. 495.00



Introduction to Biology and Biotechnology, 2nd Ed.

K. Vaidyanath, K. Pratap Reddy, K. Satya Prasad

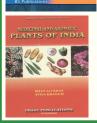
2008 978-81-7800-152-7 652 pages PB Rs. 295.00



Essentials of Biology & Biotechnology

Bir Bahadur

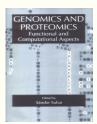
2005 81-88449-07-5 594 pages PB *Rs. 375.00



Medicinal & Aromatic Plants of India

Khan Irfan A.

81-88279-24-2 HB Rs. 650.00



Genomics and Proteomics: Functional and Computational Aspects

Sandor Suhai

Rpt. 2009 978-81-8128-320-7 250 Pages PB *Rs. 650.00

AGRICULTURE SCIENCE - PLANT BIOCHEMISTRY AND BIOTECHNOLOGY



Biotechnological **Interventions for Dryland** Agriculture

Opportunities and Constraints

G. Pakki Reddy and P. S. Janaki Krishna

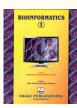
81-7800-091-1 2006 175 pages Rs. 450.00



Biotechnology for Sustainable Agriculture

S. Venku Reddy, M. Suryamani, K. L. Srivastava, T. Goverdhan Reddy

2005 81-7800-074-1 Rs. 495.00 303 pages



Bioinformatics - 1

Khan Irfan A.

2010 81-88279-62-5 PB Rs. 245.00



Bioinformatics - 2

Khan Irfan A.

2010 81-88279-63-3 PB Rs. 245.00



Bioinformatics - 3

Khan Irfan A.

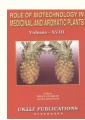
2010 81-88279-64-1 PB Rs. 245.00



Bioinformatics - 4

Khan Irfan A.

2010 81-88279-65-X Rs. 270.00 PB



Role of Biotechnology in Medicinal and **Aromatic Plants**

Khan Irfan A.

Vol. 1 Rs. 750.00 Vol. 2 Rs. 1250.00

Vol. 3 and 4 each Rs. 1050.00

Special edition on "Cancer" Vol. 5 Rs. 950.00

Special edition on "Disease" Vol. 6 Rs. 1050.00

Rs. 295.00 New Frontiers in Biotechnology

Vol. 7-20 each Rs. 1050.00

NEW Vol. 21-22each Rs. 1050.00



Biotechnology Series

Khan Irfan A.

Basic Concepts of Biotechnology Essentials of Biotechnology Emerging Trends in Biotechnology Modern Concepts in Biotechnology, 2nd Ed. NEW Rs. 325.00

Advances in Biotechnology

Rs. 295.00

Rs. 295.00

Rs. 295.00



BASIC CONCEPTS OF BIOINFORMATICS

Bioinformatics Series

Khan Irfan A.

Basic Concepts of Bioinformatics Emerging Trends in Bioinformatics Introductory Bioinformatics

Rs. 850.00 Rs. 950.00 Rs. 650.00

Fundamentals of Bioinformatics Essentials of Bioinformatics

Rs. 950.00 Rs. 950.00

Rs. 295.00

Recent Advance in Bioinformatics Rs. 950.00



Biotechnology in the Welfare of Mankind,

Vol. I & II

Khan Irfan A.

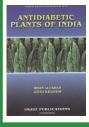
Each Vol. Rs. 300.00



Fundamentals of Molecular **Biology Genetic Engg.** Biotechnology

Khan Irfan A.

HB Rs. 500.00



Antidiabetic Plants of India

Khan Irfan A.

Rs. 650.00 HB



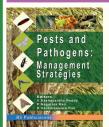
Fundamentals of Gene, Genomics and Genetic Engineering

Khan Irfan A.

Rs. 650.00

Recent Trends in Rapid Diagnosis

AGRICULTURE SCIENCE - PLANT PATHOLOGY



Pests and Pathogens: Management Strategies

Dashavantha Reddy Vudem, Nagaraja Rao Poduri and Venkateswara Rao Khareedu

Contents: 1. Insect Pests of Rice in India and their Management 2. Rice Diseases of Importance and the Management Options in India 3. Biotechnological Approaches for Management of Grain Mold Disease of Sorghum 4. Major Biotic Stresses of Chickpea and Strategies for their Control 5. Potential of Transgenic Grain Legumes for Pest Management and Sustainable Crop Production 6. Integrated Pest Management in Grain Legume Crops in India 7. Insect Pests of Castor (Ricinus communis L) and their Management Strategies 8. Biology and Management of Forest Insect Pests 9. Botanical Pesticides for Management of Insect Pests in Field and Stored Rice 10. Botanicals for the Management of Phytonematodes 11. Microbial Chitinases as Potential Biopesticides 12. Insect Resistance to Pyrethroid with Special Reference to the Cotton Bollworm 13. Effect of Climate Change on Insects, Pathogens, Plants and Pesticide Usage 14. Molecular Marker-assisted Breeding for Improving Disease Resistance in Crop Plants 15. Antimicrobial

Peptides and Production of Disease Resistant Transgenic Plants 16. Plant Lectins and their Utilization for Development of Insect Resistant Transgenic Crop Plants 17. Insect-Resistant Transgenic Crops 18. Bioinformatics with Solutions in Pest Management Science: An Insight into the Evolving Technologies 19. Concepts and Components of Integrated Pest Management

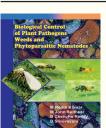
2010 978-81-7800-227-9 590 Pages BSPBSP HB Rs. 2295.00

Recent Trends in Rapid Diagnosis of Plant Pathogens

M. Reddi Kumar et. al.

Contents: 1. Essentials of Phytopathological Laboratory 2. Isolation, Purification and Presenvation of Microbial Cultures 3. Identification of Some Commonly Occuring Plant Pathogenic Fungi 4. Nematophagous Fungi 5. Mycotoxins – Importance and their Detection 6. Isolation and Inoculation of Bacteria 7. Detection of Bacterial Infection 8. Characterization of Phytopathogenic Bacteria 9. Cultural Characters of Bacteria 10. Physiological Characteristics of Bacteria 11. Serological Identification of Plant Pathogenic Bacteria 12. PCR based Diagnosis of Bacterial Diseases 13. Transmission of Viruses 14. Production of Polyclonal Antiserum 15. Immunological Techniques for Identidfication of Viruses 16. Nucleic Acid Hybridization Techniques for Detection of Plant Viruses 17. Tissue Culture Studies 18. Transgenic Plants-Genetic Engineering 19. Nanotechnology for Detection of Plant Pathogens





Biological Control of Plant Pathogens

M. Reddi Kumar et.al.

Contents: Introduction 1. Isolation and Screening of Bioagents of Plant Pathogens 2. Mechanisms of Action of Biocontrol Agents 3. Selection of Potential Strain and Genetic Improvement of Bio-agents 4. Molecular Characterization of Biocontrol Agents 5. Morphological Characteristics of Trichoderma Species 6. Mass Production and Formulation of Trichoderma spp. 7. Formulation and Shelf-Life of Trichorderma spp. 8. Shelf-Life and Bio-efficacy of Biocontrol Formulations 9. Delivery of Biocontrol Agents 10. Biological Control of Soil-borne and Foliar Plant Pathogens 11. Bio-agents in Management of Post-Harvest Diseases of Fruits 12. Phytoalexins in Plant Disease Control 13. Mycorrhizae - A Tool in Biological Control 14. Plant Growth Promoting Rhizobacteria 15. Biological Suppression of Weeds with Pathogens 16. Biological Control of Plant Parasitic Nematodes 17. Registration Requirements and Quality Parameters for Antagonistic Organisms

2008 978-81-7800-157-9 210 pages BSPBSP HB Rs. 895.00

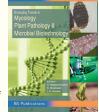


Fungi Around Some Aquatic Bodies In Andhra Pradesh, India

Vasant Rao, C. Manoharachary, G. Suresh Kumar, K. Subodh

Contents: 1. Introduction 2. Materials & Methods 3. Description of the Taxa 4. List of Fungi Collected From Districts of Andhra Pradesh 5. References 6. Glossary 7. Key for Identification of Taxa

2004 81-7800-058-X 167 pp BSPBSP HB Rs. 1195.00



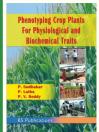
Emerging Trends in Mycology, Plant Pathology & Microbial Biotechnology

G. Bagyanarayana, B. Bhadraiah,

I. K. Kunwar

2006 81-7800-081-4 650 pages HB Rs. 895.00

AGRICULTURE SCIENCE - PLANT PHYSIOLOGY



Phenotyping Crop Plants for Physiological and Biochemical Traits



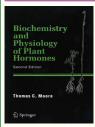
P. Sudhakar, P. Latha and P.V. Reddy

Contents: SECTION – II: 1. Various Methods of Conducting Crop Experiments, SECTION – II: 2. Seed Physiological and Biochemical Traits, SECTION – III: 3. Plant Growth Measurements, 4. Photosynthetic Rates, 5. Drought Tolerance Traits, 6. Other Drought Tolerant Traits, 7. Tissue Water Related Traits, 8. Heat Stress Tolerance Traits, 9. Oxidative Stress Tolerance Traits, 10. Salinity Tolerance Traits, SECTION – IV: 11. Kernel Quality Traits, 12. Carbohydrates and Related Enzymes, 13. Nitrogen Compounds and Related Enzymes, 14. Other Biochemical Traits, 15. Plant Pigments, 16. Growth Regulators, SECTION – V: 17. Analytical Techniques

2014 9789383635078 204 pp BSPBSP HB Rs. 1295.00

4

AGRICULTURE SCIENCE - PLANT PHYSIOLOGY



Biochemistry and Physiology of Plant Harmones

Moore

Contents: 1. Introduction 2. Auxins 3. Gibberellins
4. Cytokinins 5. Sbscisic Acid and Related Compounds
6. Ethylene 7. Brassino steroids 8. Phytochrome

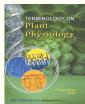
Rpt. 2009 9780387969848 330 pp BSPSPR PB Rs. 695.00



Practical Manual on Crop Production, 2nd Ed.

M. Yakadri

2009 978-81-7800-205-7 94 pages BSPBSP PB Rs. 100.00



Terminology on Plant Physiology

G. Gopal Singh, Aruna Kumari

2005 81-7800-089-X 430 pages BSPBSP HB Rs. 650.00

AGRICULTURE **E**NGINEERING



Engineering for Storage of Fruits and Vegetables:

Cold Storage • Controlled Atmosphere Storage • Modified Atmosphere Storage



Chandra Gopala Rao

Contents: Part I- Pre Cooling of Fruits and Vegetables and their Storage Requirement: 1. Introduction 2. Post Harvest Physiology of Fruits and Vegetables 3. Estimation of Cooling Times of Foods 4. Pre-cooling of Fruits and Vegetables by Ventilation Method 5. Forced-Air Cooling of Fruits and Vegetables 6. Hydro Cooling of Fruits, Vegetables and Cut Flowers 7. Evaporative Cooling Systems for Fruits and Vegetables 8. Vacuum Cooling of Fruits and Vegetables 9. Handling and Storage of Common Fruits 10. Handling and Cold Storage of Vegetables Part II- Cold Storage: 11. Moist Air and Applied Psychrometry 12. Preliminaries for the Estimation of Cooling Loads 13. Air Conditioning Systems and Estimation of Cooling Load 14. Evaporators 15. Refrigerant Compressors

16. Condensers 17. Expansion Devices 18. Spray Ponds and Cooling Towers 19. Fans 20. Transmission and Distribution Systems of Cool Air 21. Heat and Water Vapour Transport in the Cold Storage 22. Thermal and Vapour Insulation Materials 23. Design of Small Capacity Cold Storages 24. Dimensions—Layout—Stacking Methods for Cold Storage 25. Transportation of Fruits — Vegetables and Flowers 26. Instrumentation and Climate Management in Cold Storages Part III- Controlled Atmosphere for Storage (CAS) Horticulture Produce: 27. Operation, Maintenance and Energy Conservation in Cold Storages 28. Introductory Information of Controlled Atmosphere Storages 29. Biochemical Considerations of Controlled Atmosphere Storage 30. Gas Exchange Mechanisms in Controlled Atmosphere Storage 31. Mass Balance Principles Applied to CA Chamber 32. Gas Generators for Controlled Atmosphere Storage 33. Equipment for Producing and Regulating Controlled Atmosphere 34. Design, Construction and Operation of Controlled Atmosphere Storage Chambers Part IV- Modified Atmosphere Storage: 35. An Overview of Modified Atmosphere Storage 36. MAP Technology 37. Gases and Vapour Applied to MA Processing Operations 38. Shelf Life of Foods 39. Kinetic of Food Deteriorative Reactions 40. Water Activity and Shelf Life 41. Effect of Logistics Environment on Shelf Life 42. Shelf Life Testing 43. MAP Modeling 44. Principles of Enzyme Kinetics 45. Enzyme Kinetics Applied to MAP Design with O2 Modelling (Experiments on Tomato Fruit) 47. Methods of Storing Fruits in Polymeric Packets with MAP

2014 9788178003269 887 pp BSPBSP HB Rs. 3250.00

Milk and Milk Products Technology

S. Rajagopal and S.K. Roy



2014 978-81-7800-325-2 659 pp BSPBSP HB Rs. 2495.00





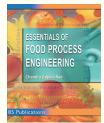
Greenhouse Technology and Management, 2nd Ed.

K. Radha Manohar, C. Igathinathane

Contents: 1. Introduction 2. Classification of Greenhouses 3. Plant Response to Greenhouse Environment 4. Environmental Control 5. Greenhouse Ventilation and Computerised Control System 6. Planning of Greenhouse Facility 7. Greenhouse Construction Materials 8. Greenhouse Covering Materials 9. Construction of Typical Greenhouses 10. Construction of Low Cost Wooden Framed Plastic Film Greenhouses 11. Greenhouse

Cooling 12. Greenhouse Heating 13. Environmental Requirement of Crops and Pest Control 14. Greenhouse Irrigation Systems 15. Greenhouse Utilisation in Off-Season 16. Simplified Protected Agriculture Techniques-Plastic Mulches 17. Simplified Protected Agriculture Techniques Row Covers 18. Advanced Protected Agriculture Systems Liquid Hydroponics 19. Advanced Protected Agriculture Systems Aggregate Hydroponics 20. Economics of Greenhouse Production

2007 978-81-7800-136-4 231 pages BSPBSP HB Rs. 750.00



Essentials of Food Process Engineering

Chandra Gopala Rao

Contents: 1. Introduction to Engineering Calculations 2. Engineering Parameters of Food Materials 3. Material Balances 4. Energy Balance 5. Fluid Mechanics

6. Fuels and Combustion of Fuels 7. Steam Generation 8. Steam and its properties 9. Heat Transfer 10. Mass Transfer 11. Psychrometry 12. Refrigeration 13. Thermal Processing 14. Measurements in Food Processing Industry

2006 81-7800-115-2 368 pages BSPBSP HB Rs. 550.00

SOIL SCIENCE



Groundwater Systems Analysis of Indian Coastal Deltas: Resource Potentials, Quality Trends, Saline-Fresh Water **Interrelationships and Management Strategies**

Indugula Radhakrishna



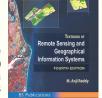
2014 572 pp 978-81-7800-293-4 **BSPBSP** HB Rs. 5495.00

Textbook of

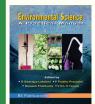
Remote Sensing and Geographical Information Systems, 4th Ed.

M . Anji Reddy

Contents: 1. Map Language 2. Photogrammetry 3. Remote Sensing - Basic Principles 4. Microwave Remote Sensing 5. Remote Sensing Platforms and Sensors 6. Visual Image Interpretation 7. Digital Image Processing 8. Global Positioning System (GPS) 9. Fundamentals of GIS 10. Spatial Data Modelling 11. GIS Data Management 12. Data Input and Editing 13. Data Quality Issues 14. Data Analysis and Modelling 15. Integration of Remote Sensing and GIS 16. Urban and Muncipal Applications 17. Forest Resources Management 18. Watershed Management 19. Natural Disaster Management: Landslides 20. Creation of Information System: A Case Study.



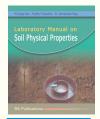
2012 978-93-81075-97-5 **BSPBSP** *Rs. 575.00 607 pp



Environmental Science: A Practical Manual

G. Swarajya Lakshmi, et. al.

133 pp 978-81-7800-228-6 2010 **BSPBSP** Rs. 110.00



Laboratory Manual on Soil Physical Properties

M. Singa Rao, et. al.

2005 81-7800-094-6 97 pages PB Rs. 70.00



Land Use / **Land Cover** Management Practices in India

N. C. Gautam, V. Raghavswamy

2004 81-7800-052-0 309 pages Rs. 795.00



Dryland Agriculture in India

S. Jeevandanda Reddy

2002 81-7800-022-9 429 pages Rs. 1250.00 HB

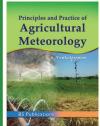


Watersheds: Comprehensive Development

K.V. Seshagiri Rao

2012 978-93-81075-906 392 pages Rs. 325.00

AGRICULTURE METEOROLOGY



Principles and Practice of Agricultural Meteorology

S. Venkataraman

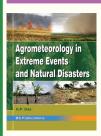


The book deals with (i) all aspects of the direct and indirect effects of weather and atmospheric elements on production, protection and water needs of crops (ii) influences of micro-climates, morphology, physiology and growth stages of crops in differential responses of crops to weather vagaries and weather-induced setbacks and (iii) agrometeorological (a) irrigation scheduling (b) forecasting of crop yields and pests and diseases (c) determination of incidence of crop drought and (d) advisory services. The effects of climate change on crops and cropping practices on global warming and means to mitigate such effects are detailed. Measures essential for achieving (i) cost-effective agricultural sustainability with environmental conservation in a steadily warming atomsphere and (ii) food-security are set out. The book can serve as a text book in Agricultural Meteorology and will be valuable for agricultural policy planners and extension professionals.

Contents: 1. Origin of Developments Relating to and/or in Agricultural Meteorology 2. Eco-physical Aspects and Eco-physiological Basis of Agricultural Meteorology 3. Crop-Climate: Analogues and Zones 4. The Concept and Relevance of Radiation Balance in Crop Culture 5. Agrometeorology of Crop Water Usage 6. Dry Farming Agrometeorology 7. Avoidance, Anticipation and Control of Pests and Diseases 8. Erosion of Top Soil by Rain and Wind Climate Change 10. Agrometeorological Advisory Services 11. Agricultural Renewal and Sustainability

2015 321 pp 978-93-83635-34-4 **BSPBSP** Price: TBA

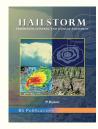
AGRICULTURE METEOROLOGY



Agrometeorology in Extreme Events and Natural Disasters

H. P. Das

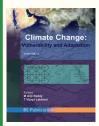
2012 373 pp 978-93-81075-71-5 BSPBSP HB 2495.00



Hailstorm: Prediction, Control and Damage Assessment

Dr. P. Kumar

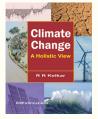
2010 270 pp 978-81-7800-248-4 BSPBSP HB Rs. 1295.00



Climate Change: Vulnerability and Adaptation, 2 Volume Set

M. Anji Reddy and T. Vijaya Lakshmi

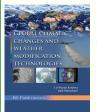
2011 1139 pp 978-81-7800-252-1 BSPBSP HB Rs. 2995.00



Climate Change: A Holistic View

R. R. Kelkar

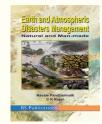
2010 208 pp 978-81-7800-249-1 BSPBSP HB Rs. 1295.00



Global Climatic Changes and Weather Modification Technologies

I.V. Murali Krishna and Valli Manickam

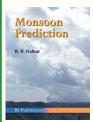
2009 706 pp 978-81-7800-184-5 BSPBSP HB Rs. 1995.00



Earth and Atmospheric Disasters Management Natural and Man-made

Navale Pandharinath, C K Rajan

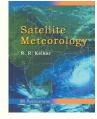
2009 374 pp 978-81-7800-187-6 BSPBSP HB Rs. 1495.00



Monsoon Prediction

R. R. Kelkar

2009 234 pages 978-81-7800-185-2 BSPBSP HB Rs. 995.00



Satellite Meteorology

R. R. Kelkar

2007 81-7800-137-3 251 pages BSPBSP HB Rs. 895.00



The Science of Weather and Environment

Navale Pandharinath

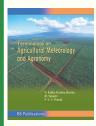
2007 81-7800-130-6 589 Pages HB Rs. 995.00



A Course in Dynamic Meteorology

Navale Pandharinath

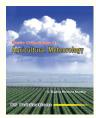
2006 81-7800-129-2 364 pages HB Rs. 650.00



Terminology on Agricultural Meteorology and Agronomy

Radha Krishna Murthy, Yakadri & Prasad

2006 81-7800-132-2 403 pages HB Rs. 650.00



Basic principles of Agricultural Meteorology

Radha Krishna Murthy

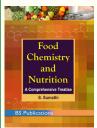
2002 978-81-7800-036-7 261 pages HB Rs. 675.00

Global Climate Change and Agriculture

H.P. Das

Contents: 1. Perspectives on the Interactions between Climate Change Parameters and their Agricultural Significance: An Overview 2. Impact of Climate Change on the Global Hydrological Cycle: Implications for water resources and agriculture 3. Soil Carbon Cycle and impacts of Climate Change on Soil Conditions: Implications for Plant Growth and Food Production 4. Global Climate Change Impacts on Agricultural and Livestock Production and Adaptation Strategies for Mitigation 5. Greenhouse Gas Emissions and Mitigation Measures in Agro-Ecosystems 6. Land Degradation, Range Degradation and Desertification under Changing Climate 7. Impact of Climate Change on Fisheries and Aquaculture and Adaptation Strategies 8. Climate Change Impacts on Forests and Adaptation Strategies 9. Climate Change, Agricultural Production and Global Food Security 10. Climate Change, Climate Variability and Climate Extremes: Agrometeorological Impact of Extreme Weather Events 11. Livelihood Strategies of Farmers and Fishers under Changing Climate

FOOD SCIENCE



Food Chemistry and Nutrition: A Comprehensive Treatise

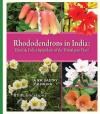


S. Sumathi

Contents: 1. Overview of Food Constituents and their Role in Food Chemistry & Nutrition, 2. Major Food Constituents – Properties and Interactions, 3. Changes in Foods During Storage and Processing, 4. Minor Food Constituents, 5. Role of Food in Human Nutrition, 6. Digestion, Absorption, Transport and Metabolism of Nutrients

2014 9788178003160 208 pp BSPBSP HB Rs. 1295.00

FORESTRY



Rhododendrons in India: Floral & Foliar Splendour of the Himalayan Flora

A. R. K. Sastry

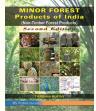
Contents : 1. Introduction **2.** Taxonomic Treatment of the Genus **3.** The Genus *Rhododendron* L. in India and its Classification **4.** Subgenus *Rhododendron* L **5.** Subgenus *Hymenanthes* (Bl.) K. Koch **6.** Subgenus *Tsutsusi* (Sweet) Pojarkova **7.** Subgenus *Azaleastrum* Planchon

010 978-81-7800-214-9 182 Pages (48 colour pages) BSPBSP HB Rs. 1595.00

Minor Forest Products of India (Non-Timber Forest Products of India)

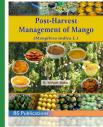
T. Krishna Murthy

Contents: 1. Introduction 2. Collection Methods and Marketing of Minor Forest Produce 3. Prospects of Development 4. Medicinal Plants 5. Essential Oils 6. Spices, Condiments and Savory Plants 7. Edible Wild Plants 8. Gums, Resins and Oleoresins 9. Fatty Oils 10. Tanning Materials 11. Natural Organic Colouring Materials 12. Sources of Katha and Cutch 13. Sources of Oxalic Acid 14. Fibres and Flosses 15. Beverages (Alcoholic and Non-Alcoholic) and Narcotic Plants 16. Fodder and Forage Plants 17. Saponins 18. Fish Poisons, Pesticides and Insecticides 19. Green Manure 20. Beads 21. Rubber Plants 22. Plants Useful for Paper and Pulp 23. Plants Useful for Basket and Wicker Work Including Canes 24. Beedi Leaf 25. Miscellaneous Products 26. Animal Products



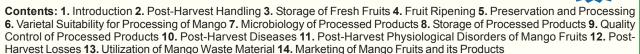
2010 978-81-7800-190-6 553 Pages (481 colour pages) BSPBSP HB Rs. 2495.00

HORTICULTURE



Post-Harvest Management of Mango (Mangifera indica L.)

R. Srihari Babu



2014 978-81-7800-309-2 769 pp HB BSPBSP Rs. 4495.00

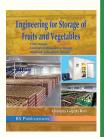
Engineering for Storage of Fruits and Vegetables:







Contents: Part I- Pre Cooling of Fruits and Vegetables and their Storage Requirement: 1. Introduction 2. Post Harvest Physiology of Fruits and Vegetables 3. Estimation of Cooling Times of Foods 4. Pre-cooling of Fruits and Vegetables by Ventilation Method 5. Forced-Air Cooling of Fruits and Vegetables 6. Hydro Cooling of Fruits, Vegetables and Cut Flowers 7. Evaporative Cooling Systems for Fruits and Vegetables 8. Vacuum Cooling of Fruits and Vegetables 9. Handling and Storage of Common Fruits 10. Handling and Cold Storage of Vegetables Part II- Cold Storage: 11. Moist Air and Applied Psychrometry 12. Preliminaries for the



Estimation of Cooling Loads 13. Air Conditioning Systems and Estimation of Cooling Load 14. Evaporators 15. Refrigerant Compressors 16. Condensers 17. Expansion Devices 18. Spray Ponds and Cooling Towers 19. Fans 20. Transmission and Distribution Systems of Cool Air 21. Heat and Water Vapour Transport in the Cold Storage 22. Thermal and Vapour Insulation Materials 23. Design of Small Capacity Cold Storages 24. Dimensions—Layout—Stacking Methods for Cold Storage 25. Transportation of Fruits — Vegetables and Flowers 26. Instrumentation and Climate Management in Cold Storages Part III- Controlled Atmosphere for Storage (CAS) Horticulture Produce: 27. Operation, Maintenance and Energy Conservation in Cold Storages 28. Introductory Information of Controlled Atmosphere Storages 29. Biochemical Considerations of Controlled Atmosphere Storage 30. Gas Exchange Mechanisms in Controlled Atmosphere Storage 31. Mass Balance Principles Applied to CA Chamber 32. Gas Generators for Controlled Atmosphere Storage 33. Equipment for Producing and Regulating Controlled Atmosphere 34. Design, Construction and Operation of Controlled Atmosphere Storage Chambers Part IV- Modified Atmosphere Storage: 35. An Overview of Modified Atmosphere Storage 36. MAP Technology 37. Gases and Vapour Applied to MA Processing Operations 38. Shelf Life of Foods 39. Kinetic of Food Deteriorative Reactions 40. Water Activity and Shelf Life 41. Effect of Logistics Environment on Shelf Life 42. Shelf Life Testing 43. MAP Modeling 44. Principles of Enzyme Kinetics 45. Enzyme Kinetics Applied to MAP 46. MAP Design with O2 Modelling (Experiments on Tomato Fruit) 47. Methods of Storing Fruits in Polymeric Packets with MAP

2014 9788178003269 887 pp BSPBSP HB Rs. 3250.00

HORTICULTURE

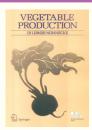


Developmental Biology of Flowering Plants

V. Raghavan

Contents: Part-I Seed to Seedling **Part-II** Seedling to the adult Plant **Part-III** Reproduction **Part-IV** Seed and Fruit Formation **Part-V** Alternative developmental Strategies

2008	9788181287953	354 PP	HB
BSPSPR		Rs.	1550.00



Vegetable Production

IB LIbner Nonnecke

2006 978-81-8128-506-5 657 pages BSPSPR PB *Rs. 995.00



Leafy Vegetables

G. Bhaskar Rajan

2005 818827920X 177 pp PB Rs. 250.00

VETERINARY/FISHERIES



Essential Concepts in Toxicology:

Compendium for Pharmacy, Medical, Forensic and Veterinary Toxicology



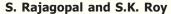
P K Gupta

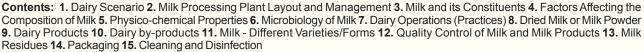
Contents: 1. Introduction and Historical Background 2. Definitions and Scope of Toxicology 3. Classification of Poisons / Toxicants 4. Factors Affecting Toxicity 5. Natural Laws Concerning Toxicology 6. Hazard and Risk Assessment 7. Absorption, Distribution and Excretion of Toxicants 8. Biotransformation 9. Principles and Basic Concepts of Toxicokinetics Unit 3 Regulatory Requirements and GLP 10. Toxicological Testing: Genesis 11. Toxicological Testing: in vivo Systems 12. Toxicological testing: in vitro models 13. Genotoxicity 14. Preclinical Toxicological Investigations of Pharmaceutical Products 15. Preclinical safety evaluation of biotechnology-

derived products 16. Pre-clinical Regulatory Toxicology for Biomaterials and Medical Devices Unit 4 Toxic Agents 17. Toxic Effects of Pesticides (Agrochemicals) 18. Toxic Effects of Metals 19. Toxic Effects of Non-Metalics 20. Neurotoxic Agents 21. Toxic Effects of Cardiac Poisons 22. Toxic Effects of Asphyxiants 23. Toxic Effects of Caustics (Corrosives) 24. DRUG TOXICITY, DEPENDENCE AND ABUSE 25. Toxic Effects of Domestic Chemicals 26. TOXIC Effects of Poisonous Plants 27. Food Poisoning and Poisonous Foods 28. Poisons of Animal Origin 29. Chemical FOOD Poisoning 30. Health Effects of Radioactive materials Unit 5 Applications of Toxicology 31. Basic Concepts of Forensic Toxicology 32. Analytical Toxicology 33. Clinical Toxicology 34. Treatment of Poisoning

2014 978-81-7800-319-1 360 pp BSPPMP HB Rs. 1795.00

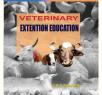
Milk and Milk Products Technology





2014 978-81-7800-325-2 659 pp BSPBSP HB Rs. 2495.00





Veterinary Extension Education

G.R.K. Sharma

Contents: 1. Extension Education: Concept Objectives and Principles 2. Genesis of Extension In India 3. Rural Sociology 4. Teaching-learning Process 5. Extension Teaching Methods 6. Audio-visual Methods & Materials 7. Communication For Development 8. Extension Management 9. Adoption and Diffusion Process 10. Programme Planning and Evaluation 11. Leaders and Leadership 12. Livestock Development Programmes In India 13. Cooperatives: Meaning & Objectives 14. Livestock Economics & Accountancy 15. Livestock Farming: Types, Systems & Marketing 16. Survey Techniques & Sampling Methods 17. Participatory Rural Appraisal 18. Entrepreneurship 19. Private Extension: Indian Experiences 20. Transfer of Technology 21. Fisheries Extension In India

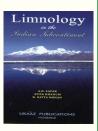
2008 978-81-7800-155-1 460 pages BSPBSP HB Rs. 1295.00

Liminology in the Indian Subcontinent

Zafar A.R.

Contents: 1. The Study of Limnology 2. Genesis of the lakes of the Indian subcontinent 3. The lakes of Kashmir 4. The lakes of Kumaun 5. Coastal lakes of India 6. Physico-chemical complexes of fresh water lakes Mary Esther Cynthia and Atiya Khanum 7. On the distribution of microbes in Fresh water lakes and techniques of their study 8. Bacteria — a limnological perspective 9. Phytoplankton 10. Algal mats 11. Macrophytes 12. Primary production in lentic water ecosystem 13. Primary production of periphyton in two lakes of the Hyderabad metropolis 14. Zooplankton

2005 8188279196 327 pp HB BSPUKA Rs. 750.00



GENERAL



Soar Like Eagles! Success Tools For Freshers



M. S. Rao and M. Ganesh SaI

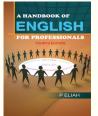
2014 978-81-7800-308-5 181 pp Rs. 225.00 **BSPBSP**



Art of Writing and **Publishing in** Agriculture Journals

Veeranjanevulu

2008 978-81-7800-192-6 530 pages **BSPBSP** HB Rs. 1495.00



A Handbook of **English** for Professionals

P. Eliah

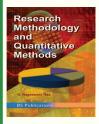
2014 978-81-7800-324-5 374 pp **BSPBSP** PB Rs. 325.00



Musings of Barefoot Bankers Lessons from Ground Zero:

Moorings for Financial Inclusion Varanasi Bhaskara Rao

2012 978-93-81075-78-4 573 pp **BSPBSP** HB Rs. 895.00



Research Methodology and Quantitative Methods

G. Nageswara rao

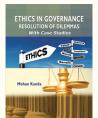
978-93-81075-56-2 2011 300 pp **BSPBSP** PB Rs. 250.00



Crisis Communications: A Case Book Approach

Kathleen Fearn-Banks

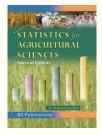
Rpt. 2011 9780415880596 **BSPT&F** 383 pp Rs. 595.00



Ethics in Governance: Resolution of Dilemmas With Case Studies

Mohan Kanda

174 pp Rs. 395.00 2014 978-93-83635-11-5 **BSPBSP** PR



Statistics for Agricultural Sciences, 2nd Ed.

G. Nageswara Rao

2007 81-7800-141-1 480 pages **BSPBSP** *Rs. 1095.00 HB

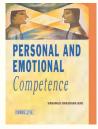


Successful Career Soft Skills and Business **Enalish**

Personality Development and Career Path

Varanasi Bhaskara Rao and Y. Kameswari

2010 978-81-7800-239-2 Rs. 350.00 **BSPBSP** 500 pages



Personal and Emotional Competence

Varanasi Bhaskara Rao

2006 81-7800-119-5 221 pp **BSPBSP** Rs. 225.00



Communicative Competence

Varanasi Bhaskara Rao

2006 81-7800-118-7 269 pp **BSPBSP** Rs. 225.00 PB

Please send your orders / enquiries

Imprints: BSP BS Publications



PharmaMed Press (An imprint of Pharma Book Syndicate)

BOOKS 4-4-309 / 316, Giriraj Lane, Sultan Bazar,

BSP BSP Books Pvt. Ltd.

Koti, Hyderabad - 500 095.

Ph: 040-23445688, 23445605, Fax: 91+40-23445611

e-mail: info@bspbooks.net; info@pharmamedpress.com

Visit our Website: www.bspbooks.net / www.bspublications.net