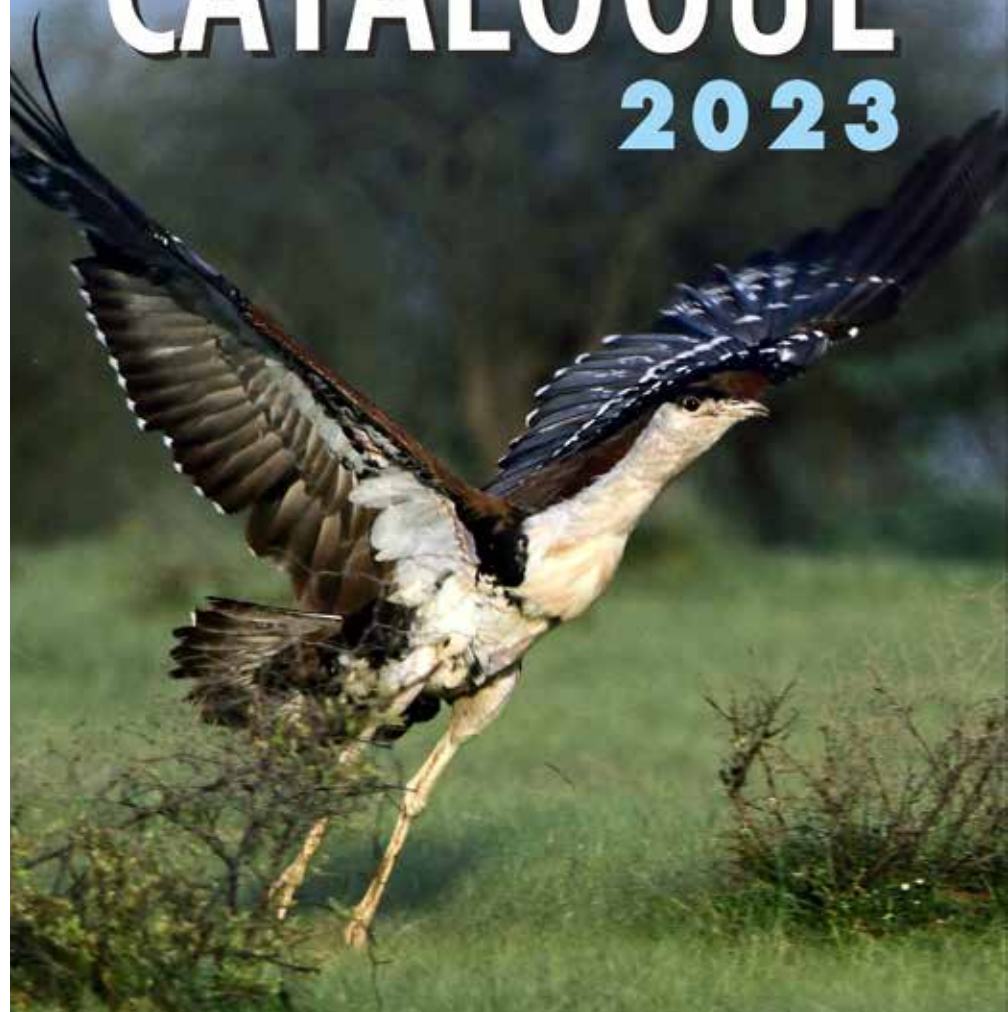


# CATALOGUE

## 2023



## *Message from Founder*



**Pawan Kumar**  
Founder  
Scientific Publishers

Pawan Kumar  
Founder  
Scientific Publishers

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Greetings from Scientific Publishers!

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Thank you!

## **Our Team**



Cover photo courtesy: Godavan by Dr. Rakesh Vyas

# CATALOGUE 2023

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Environment | Forestry | Water | Zoology**

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**CSIR UGC NET | ICAR-ARS | FCI | IFS  
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\*Price are subject to change without prior notice

# Current Agriculture

International Journal of Agricultural and Allied Sciences



NOW AVAILABLE Volume 39 - Issue: 1-4 - 2022

ISSN: 0254 - 1092

Frequency: Quarterly

Size: 28x21 cm

We are soliciting manuscripts to be featured in our revamped journal, Current Agriculture (CA). Current Agriculture is an international scholarly journal which aims to collect, collate disseminate the knowledge and research carried out in all areas of agriculture including aridity, salinity, environment and allied sciences. Current Agriculture is a quarterly peer-reviewed journal, published in the new format with great contents. Current Agriculture is established under the aegis of the registered society i.e Indian Society of Agricultural Research Scientists and is published by Scientific Publishers; the society was established in 1977.

The journal focuses on new methods and technologies for improving agricultural process, increasing yield, conservation and breeding.

Articles covering new insights into:

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Along with crop, crop disease and all aspects of agriculture and relevant issues will also be considered. We welcome quality work that focuses on research, development and application in the aforesaid areas. Last CA volume 39(1-2) is available both in the print and online version.

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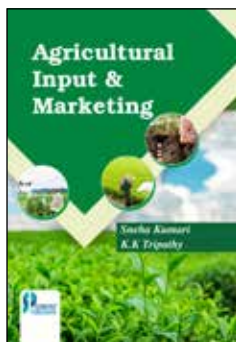


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## AGRICULTURAL INPUT & MARKETING



This is an initiative to sustain farming through several solutions in the production and distribution of agriculture input. The book may be used for UG/PG textbook and competitive examination like Agriculture Research Scientist Recruitment, ARS-NET, Indian Forest Service and state level and central level examination. The book will be very useful for Agriculture Input Marketing for Agriculture graduates, MBA in Agribusiness and MSc. Agriculture.

### Objectives

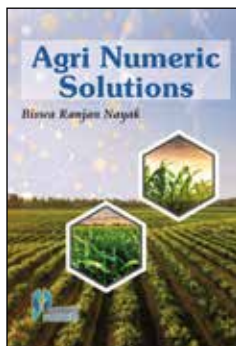
- To identify the marketing PS for agriculture input
- To have an in-depth understanding of the agriculture inputs
- To explore the comprehensive agriculture policy and scheme
- To pave a road map for sustaining the agriculture world with farmers, cooperatives and professionals through agriculture input

**Authors:** *Sneha Kumari & K.K. Tripathy*

ISBN: 9789390749386 | Year: 2022 | Pages: 250 | Price (₹): 1,295.00

**New Release**

## AGRI NUMERIC SOLUTIONS



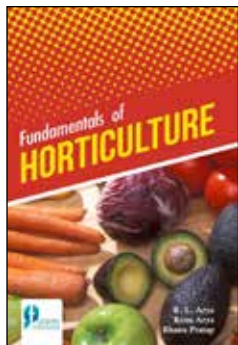
This book provides ample scope regarding different types of numerical mostly used in agricultural study. Use of numerical plays an important role in the study of different parameters in agricultural research. Agricultural experiments are associated with lot of variations in the field because of different factors. The degree of variation need to be evaluated with the help of various indices which can be calculated from the observation recorded from the field experiment. Detailed numerical calculation related to different soil and plant parameters is helpful in order to calculate different indices related to agricultural experiment. This book comprises of twenty five chapters related with various indices that are most commonly used in crop management studies covering different concepts along with suitable examples. Unique feature of this book is to provide number of outcome assessments along with answers at the end of each chapter. This book is a compilation of various numerical examples along with their solutions pertaining to agriculture for which it will be useful to students, teachers and researchers working in this relevant field. I hope this book will act as a ready reckoner for the agricultural students for their courses and competitive exams.

**Author:** *Biswa Ranjan Nayak*

ISBN: 9789391418823 | Year: 2022 | Pages: 430 | Price (₹): 3,250.00

**New Release**

## FUNDAMENTALS OF HORTICULTURE



Horticulture is a important and specialized branch of agriculture which associated with different aspects of fruit, flower and vegetable production and fruit & vegetable preservation. It is worthwhile important to understand the improved production technologies for sustainable production of horticultural crops. Fundamentals of Horticulture assembles and summarizes pertinent available information for the student of agriculture in general and horticulture in particular. This text book is a comprehensive and will meet the growing need of horticulture of graduate and post graduate students at university level of agricultural education. This book covers all aspects of horticulture for competitive examinations like Civil services, PCS, ARS, Banking services, B.Sc./M.Sc./Ph.D. (Ag) admission, state and national levels of different competitive examinations in agriculture. The entire book is prepared in most simple, clear, talking language, comprehensive and short descriptive type of questions so that the concept could be easily understand by the readers in short times.

### Contents:

- Introduction
- A. Floriculture
- B. Olericulture (Vegetable production)
- C. Pomology (Fruit Production)
- D. Preservation
- E. Miscellaneous

**Authors: R.L. Arya , Renu Arya & Bhanu Pratap**

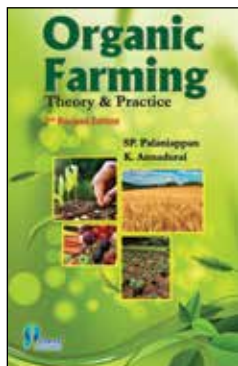
ISBN: 9789392590337 | Year: 2022 | Pages: 216 | Price (₹): 1,550.00

**New Release**



## ORGANIC FARMING: THEORY AND PRACTICE

(2ND ED.)



This book makes an attempt to present the available information on organic agriculture in a cogent and easily understandable manner. Though it is not exhaustive, which it is not meant to be, it is felt that book will give an overview on the subject to the interested reader. A viewpoint on organic agriculture has been presented in the book, based on the experience of the authors. The book contains chapters on organic manures (including green manures), recycling of organic wastes, vermiculture, biofertilizers, organic methods of pest and weed management, integrated nutrient management, farming systems and case studies of organic farming. Selected literature is presented for further reading. A compilation of the available information has been a felt need of students, teachers, research workers and administrators in agriculture.

**Authors: S.P. Palaniappan & K. Annadurai**

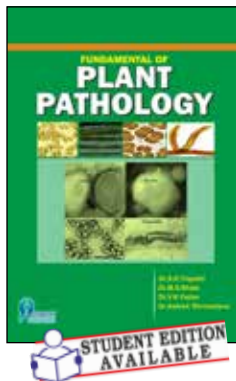


ISBN: 9789391418182 | Year: 2022 | Pages: 257 | Price (₹): 1,350.00

**New Release**



## FUNDAMENTALS OF PLANT PATHOLOGY



Studies on phytopathogens had also been very interesting since centuries. Discovery of basic-glass magnifies had opened the new dimensions with the discovery of basic microscope. The microbial world is fantastically investigated, so as in case of plants. Beneficial and harmful microbes have been identified and being utilized for the purpose of crop production. The Plant Pathology discipline offers immense opportunities. Several outbreaks and potential threats have been investigated.

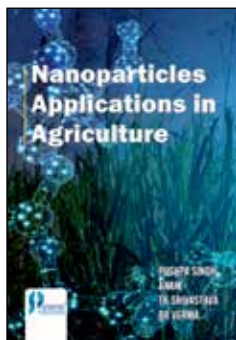
The book on Fundamentals of Plant Pathology will fulfill the education requirements of new generation education. The topics are selected as per the syllabus and presented in simplest way to be understood by students. Plant Pathology is the science that needs expertise in diagnosis, detection and concurrent adoption of management approaches.

**Authors: S.K. Tripathi, M.S. Bhale, V.K. Yadav & A. Shrivastava**

ISBN: 9789392590412 | Year: 2022 | Pages: 235 | Price (₹): 1,550.00

**New Release**

## NANOPARTICLES APPLICATIONS IN AGRICULTURE



The book focuses on the potential of nanotechnology applications in agricultural crops. As nanotechnology applications in agriculture are enormous, the book is collection of information from experts and researchers with an aim to facilitate interdisciplinary tasks for setting new trends for formulating future research programs for agricultural sustainability. It consists of nano chapters and deals With four major issues in agriculture, namely crop production, crop improvement, crop protection and soil sustainability.

It also deals with improvement in crop production through nanoscale delivery systems such as encapsulation of agrochemicals (fertilizers and pesticides) by utilizing surface ionic attachments, nanoparticles induced targeted liberation of agrochemicals, that results in passive uptake of active ingredients and in turn reduces the amount of agrochemical application by minimizing the input and Waste has been discussed. Role of nanoparticles for soil improvement, Water retention and slow release of nutrients through nanoclays and nano-zeolites, nanosensor based soil analysis, Water and nutrient management has been elaborated. Nanosensors application for pathogen and pesticide detection for crop protection, nanoparticles for modern insecticides, pesticides and insect repellents, nanomagnets for deportation of soil contaminants and nanoparticle enabled discharge of genetic material for crop improvement offers stimulating techniques for sustainable agricultural development in the present climate scenario.

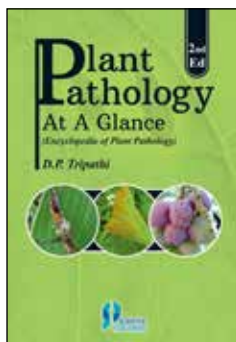
**Authors: Pushpa Singh, Anam, TK Srivastava & RR Verma**

ISBN: 9789391418229 | Year: 2022 | Pages: 180 | Price (₹): 1,750.00

**New Release**



## PLANT PATHOLOGY AT A GLANCE (ENCYCLOPEDIA OF PLANT PATHOLOGY) (2ND ED.)



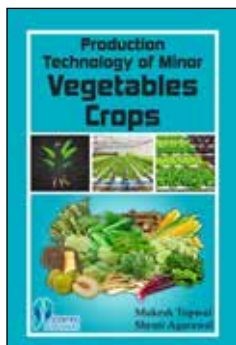
The book entitled " Plant Pathology at a Glance" has been written exclusively not only for under graduate and post graduate students of Plant Pathology but also for those aspirants appearing in different competitive examinations. It covers the core courses prescribed by most of the Universities and Institutions. The book has been divided into fifteen chapters dealing with different sub disciplines of Plant Pathology like Mycology, Mushroom Science, Plant Bacteriology, Plant Virology and Plant Nematology. Plant diseases incited by different biotic and abiotic pathogens have also been described in brief, making the book all in one. In the last of the book, glossary of technical terms, list of some important journals/books and appendix have also been included in the text to make the book more comprehensive and informative.

**Author: D.P. Tripathi**

ISBN: 9789389412710 | Year: 2022 | Pages: 608 | Price (₹): 3,550.00

**New Release**

## PRODUCTION TECHNOLOGY OF MINOR VEGETABLE CROPS



Presently farmers mainly focus in major vegetables production. But the importance of minor vegetable in terms of health benefits as well to increase country rank in vegetable production can't be negligible. So that minor vegetable can play important role in increasing economy of the country. This book consists production technology of thirteen minor vegetable crops. This book is mainly intended for the horticultural courses of graduate and post graduate students of agriculture and horticulture. We wish that this book will help the students in enriching their knowledge about minor vegetables.

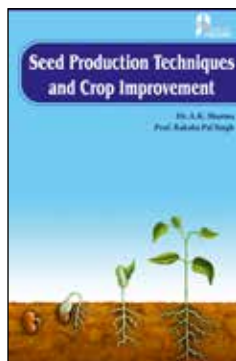
**Contents:** Arrow root (*Maranta arundinaceae*), Artichoke (*Cynara scolymus* L.), Asparagus (*Asparagus officinalis* L.), Bread Fruit (*Artocarpus altilis*), Broad Bean (*Vicia faba*), Ceylon spinach (*Talinum triangulare* (Jacq)), Chekurmanis (*Sauropus androgynus* Meer), Chow-Chow (*Sechium edule*), Coleus (*Solenostemon rotundifolius* (Poir)), Colocasia (*Colocasia esculenta*), Elephant foot yam (*Amorphophallus paeoniifolius*) Horse Radish (*Amoracia rusticana*), Ivy gourd (*Coccinia grandis* (L.) Voigt, Jerusalem artichoke (*Helianthus tuberosus*), Kachari (*Cucumis callosus*), Kohlrabi (*Brassica oleracea* L. var. *gongylodes*), Pigweed/ Bathua (*Chenopodium album* L.), Rhubarb (*Rheum raphaniticum* L.), Rutabaga (*Brassica napus* var. *napobrassica*), Spine gourd (*Momordica dioica* Roxb.), Sweet- corn (*Zea mays* L. var. *rugosa*), Swiss chard (*Beta vulgaris* L. var. *ciela*), Tannia (*Xanthosoma* spp.), Yam (*Dioscorea* spp.)

**Authors: Mukesh Topwal & Shruti Agarawal**

ISBN: 9789388812962 | Year: 2022 | Pages: 137 | Price (₹): 950.00

**New Release**

## SEED PRODUCTION TECHNIQUES AND CROP IMPROVEMENT



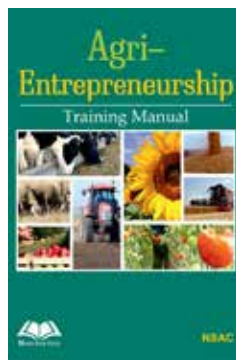
The book entitled Seed Production Techniques and Crop Improvement will be useful for B.Sc. Agriculture and PG courses of Plant breeding. This book covers almost all the important topics of different courses which are taught in UG and PG programmes. We hope this book will be of immense use for all the students offering the courses of Plant breeding.

**Contents:** Plant Breeding and its Objectives, Breeding Methods of Self Pollinated Crops, Breeding Methods of Cross Pollinated Species, Male Sterility and Self Incompatibility, Breeding Methods in Clonally Propagated Species, Mutation Breeding, Plant Biotechnology, Polyploidy in Crop Improvement, Release of New Varieties, Seed Morphology, Policies in Seed Sector, Seed Production System, Maintenance Breeding, Seed Quality, Deterioration of Crop Varieties, General Principles of Seed Production, Biology and Seed Production Techniques of Cereales etc., Biology and Seed Production Techniques of Oil Seeds, Biology and Seed Production Techniques of Pulse Crops, Biology and Seed Production Techniques of Fibre Crop, Biology and Seed Production Techniques of Seed Spices and Medicinal Plant, Biology and Seed Production Techniques of Fodder Crops, Seed Production Techniques of Vegetables, Seed Processing, Seed Testing, Seed Certification, Indian Seed Act 1966 Protection of Plant Varieties and Farmers' Rights Act 2001.

**Authors:** *Anil Kumar Sharma & Raksha Pal Singh*

ISBN: 9789390495818 | Year: 2022 | Pages: 223 | Price (₹): 1,975.00

**New Release**



## AGRI-ENTREPRENEURSHIP TRAINING MANUAL

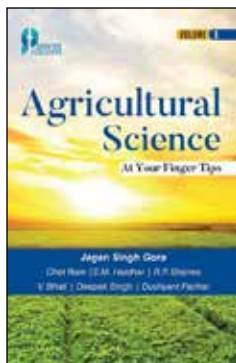
### Contents:

Introduction & Project Background  
Module #1 Group Formation and Strengthening  
Module #2 Post Harvest Handling System  
Module #3 Marketing  
Module #4 Record-Keeping  
Module #5 Financial Management  
Participatory Action Research (PAR) Case Studies

**NSAC**

ISBN: 9789388399562 | Year: 2021 | Pages: 186 | Price (₹): 3,950.00

## AGRICULTURAL SCIENCE AT YOUR FINGER TIPS



The proposed book is contained the recent general agriculture awareness plus 10 subject in the volume 1 namely Recent General Agriculture, Soil Science, Agricultural Meteorology, Agronomy, Entomology, Plant Pathology, Environment & Ecology, Agro-forestry, Statistics, Economics and Extension Education. This books is cover the all topics of concerned subject in to the lines as detailed information as summery sheet and 150 objectives questions additionally to cover all the syllabus of each subjects. The level of this book is for all kind of national and state level competitive examination like PSCs, Universities PG & Ph.D. entrance examinations, ICAR-JRF, SRF, NET and ARS; Banking AO and other competitive examinations for agriculture sectors.

**Authors: Jagan Singh Gora, Chet Ram, S.M. Haldar, R.P. Sharma et al**

ISBN: 9789389832921 | Year: 2021 | Pages: 583 | Price (₹): 450.00

**Competition Exam**

## AN INTRODUCTION TO FUNGI

**(4TH ED.)**

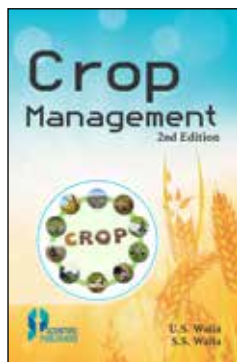


The book deals with fungi, deftly defined as the organisms studied by mycologists. The fungi are now placed under three kingdoms: Fungi, Protozoa and Chromista/Straminopila due to their phylogenetic heterogeneity. In the last decade, world wide research projects: the Deep Hypha and AFTOL (Assembling the Fungal Tree of Life), have provided a phylogenetic classification based on genetic relatedness as evidenced by DNA sequencing data. The Eumycotan fungi, the Protozoan fungi and the Chromistan fungi represent distinct monophyletic groups. i.e. each group has a common ancestor and all are its descendants. The classification offered by above mega research projects and accepted by Dictionary of Fungi (2008) and leading international journals, forms the basis of this book. There are many surprises: Fungi and Animalia together form a monophyletic group. But there is no common name for them, and are called as sister groups. The mycologists would discover emergence of a new world of modern mycology gleaned from recent publications. The book starts with History of Mycology remembering Louis Pasteur s famous quote History of science is science itself. There are 31 chapters describing the form and function of fungi. Their symbiotic associations, chemical activities, secondary metabolites, mycotoxins, heterothallism, parasexuality and sex hormones are described under exclusive chapters. Each chapter is followed by a summary, and test questions. The book will be indispensable for students of botany, microbiology, plant pathology and medical mycology.

**Author: H.C. Dube**

ISBN: 9788172337438 | Year: 2022 | Pages: 603 | Price (₹): 2,450.00

**Best Selling**

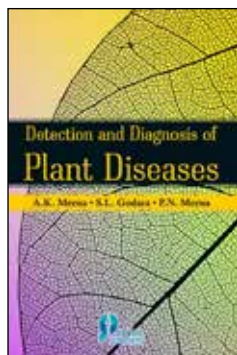
**CROP MANAGEMENT****(2ND ED.)**

The book covers basic but very comprehensive information on history of agriculture and relationship of Agronomy with other disciplines, tillage practices, nutrient elements for plant growth, weed and their management, irrigation management, crop physiology, crop ecology, integrated farming system and organic farming. A detailed information on history and origin, improved varieties, agronomic practices and plant protection techniques for important field crops viz. cereals, oilseeds, pulses, sugar crops and fiber crops has been given. Also information on cultivation practices for important medicinal, aromatic and spice crops as well as plantation crops along with their uses/medicinal values has been provided. Apart from this, information on dry land agriculture, crop production under special situations and hints for achieving higher yield of field crops are also given in details. This book will be very helpful for B.Sc. Agriculture as well as M.Sc. Agronomy students throughout the country as it covers nearly the entire syllabus for Agronomy courses framed by ICAR.

**Authors: U.S. Walia & S.S. Walia**

ISBN: 9789388449007 | Year: 2021 | Pages: 659 | Price (₹): 3,550.00

**Best Selling**

**DETECTION AND DIAGNOSIS OF PLANT DISEASES**

The present book Detection and Diagnosis of Plant Diseases deals with actual practical trends in modern Plant Pathology. It furnishes protocol on recent advances in bio-chemicals, biotechnological methods and aims to cover many important aspects such as Plant Pathology, Microbiology, Agricultural Microbiology, Biochemistry and Molecular biology. This book is designed to need the practical requirement of graduate and post-graduate students studying Plant Pathology, Microbiology, Biotechnology and Biochemistry courses by providing a ready made solution to the most of common experiments prescribed by any Indian University. Beside the latest technological development given in the book can be of interest to researchers and scientists. Most attention is given to the principal and theory behind various protocols that are expanding in details to aid understanding. It contains fifteen chapters emphasized on good laboratory practices in introduction to Plant Pathology as well as Microbiological equipments, isolation of plant pathogens from plants samples and soil samples, evaluation of fungicide toxicity by various methods, plant diseases diagnosis; field and laboratory diagnosis and important serological and molecular techniques, important biochemical methods, preparation of buffer solutions and at last is various important information related to agriculture graduate and post graduate students.

**Authors: A.K. Meena, S.L. Godara & P.N. Meena**

ISBN: 9789389184402 | Year: 2022 | Pages: 124 | Price (₹): 1,250.00

**New Release**

## PESTS MANAGEMENT OF VEGETABLE CROPS



Vegetables are important source of dietary fibers, minerals, antioxidants and vitamins. Shifting from a non-vegetarian diet to vegetarian, global recognition of the importance of vegetables for human health and their medicinal and nutritional value have contributed to a steady upward trend in vegetable production system. At present time, it is facing a critical global challenge to produce food to safe, healthy and nutritious for a growing population. The book aims to provide latest pests management strategies which can help to improve quality and quantity of vegetables in scientific and sustainable manner. This book is also useful for agricultural/Horticultural students, researchers and extension workers who are involve in technology dissemination.

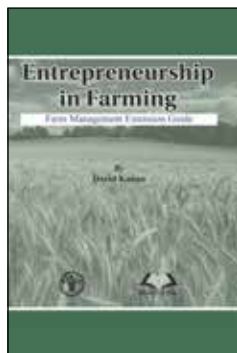


**Authors:** *Ladu Kishore Rath, Anil Kumar & Susanta Kumar Das*

ISBN: 9789390749577 | Year: 2023 | Pages: 137 | Price (₹): 1,595.00

**New Release**

## ENTREPRENEURSHIP IN FARMING: FARM MANAGEMENT EXTENSION GUIDE



### Contents:

- Preface
- Acknowledgements
- Understanding Entrepreneurship in Farming
- Entrepreneurial Responses
- Entrepreneurial Qualities
- Building Entrepreneurship Skills
- Extension Support for Developing Entrepreneurial Capacity
- Further Reading

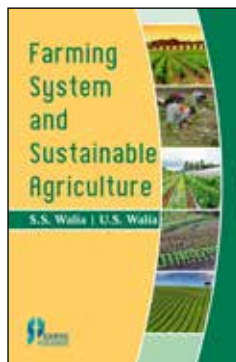
**Author:** *FAO*

ISBN: 9789386347152 | Year: 2021 | Pages: 130 | Price (₹): 1,650.00





## FARMING SYSTEM AND SUSTAINABLE AGRICULTURE

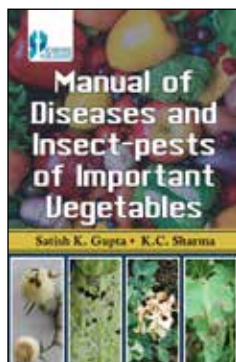


The land holding of the farmer is decreasing day by day due to urbanisation and there is no chance for horizontal increase in agricultural land. To increase the income of the farmers, few steps for vertical increase in agricultural production have been discussed in this book. A detailed and comprehensive information regarding the historical background of farming system, farming system and its components, integrated farming system and allied enterprises, integrated farming system models in different agroclimatic zones, role of integrated farming system in agriculture and livelihood security, resource cycling and flow of energy in different farming systems, role of crop residues in agriculture, farming system of dryland agriculture, role of agroforestry in farming system, scope of organic farming in farming system have been given. A detailed information regarding the latest concepts of agronomy like conservation agriculture strategies in cropping system, sustainable agriculture, scope of hydroponics techniques in agriculture have also been discussed. In the end tools for determining production and efficiencies in cropping and farming system have also been given.

**Authors: S.S. Walia & U.S. Walia**

ISBN: 9789388812900 | Year: 2020 | Pages: 280 | Price (₹): 1,850.00

## MANUAL OF DISEASES AND INSECT-PESTS OF IMPORTANT VEGETABLES



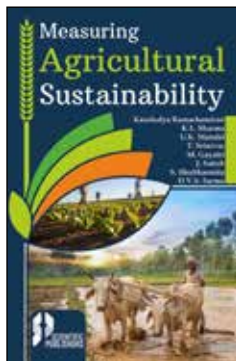
The Book entitled "Manual of Diseases and Insect-Pests of Important Vegetables" is specifically prepared for under-graduate and post-graduate students in Agriculture/Horticulture, teachers, extension Plant Pathologists & Entomologists and farmers. The Manual contains sixteen chapters dealing with important diseases and insect-pests of important vegetables. Each disease entry includes brief diagnostic symptoms, associated pathogen, predisposing factors and management while insect-pests include identification of insect-pests, their nature of damage and management. Coloured photographs of symptoms and damage of major diseases and insect-pests are also included for easy identification. Besides this, chapters on fungicides, their formulations, pesticides registered, banned, refused registration and safe handling of pesticides have also been included which will help the students, extension workers and farmers in selection of proper pesticides to keep the diseases and pests below economic injury level.

**Authors: Satish K. Gupta & K.C. Sharma**



ISBN: 9789389412284 | Year: 2021 | Pages: 205 | Price (₹): 1,500.00

## MEASURING AGRICULTURAL SUSTAINABILITY



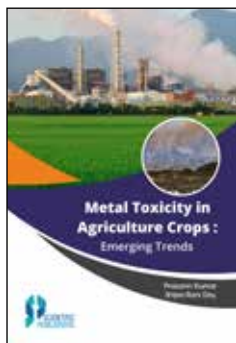
The book is essentially a comprehensive reference book and can serve as handbook, manual and field guide. The book presents 51 sustainability indicators with scorecard that can be used as handbook by department staff and students involved in Natural Resources Management activities. The book presents detailed questionnaire that can be used for field and socio-economic survey and serve as field guide. The book consists of Jal-DSS manual explaining the manner in which the DSS can be used to measure agricultural sustainability by monitoring and evaluating watershed projects. It would be useful to engineering students in Soil & Water Conservation and Computer Sciences who presently study Soil & Water Assessment Tool (SWAT) developed in Texas A & M. Jal-DSS provides a comprehensive Indian tool to assess the impact of watershed projects and measure agricultural sustainability.

The book can serve as a significant supplementary reading material for students, academics and researchers of Geo-informatics, Geography, Computer Science, in B.Tech and M.Tech courses in Soil & Water Conservation, Geo-informatics and Computer Sciences in Universities and Research Institutions.

**Authors: Kaushalya Ramachandran et.al.**

ISBN: 9789389184617 | Year: 2021 | Pages: 345 | Price (₹): 2,550.00

## METAL TOXICITY IN AGRICULTURE CROPS: EMERGING TRENDS

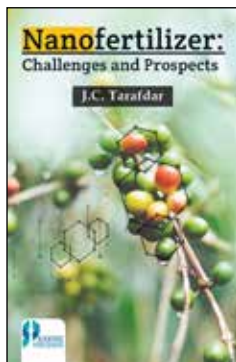


The purpose of this book is to focus on the current state of knowledge and scientific advances regarding the benefits and drawbacks of heavy metal toxicity in crops. As a result, the amendment materials are being used to restore the functioning of soil and water resources. A comprehensive overview of affected land revitalization, clean-up, and revegetation using these amendments has been presented, which could be implemented in the long term management of heavy metal toxicity in farmer's fields and farmer crops, viz., Cd, Pb, Ni, Cr, and so on. The scope of low-cost, energy-neutral soil amendments and technologies has been specifically highlighted, with special emphasis on the ameliorative effects of amended supplements. The intended audience for this book is agricultural scientists and environmental scientists working on various aspects of heavy metal toxicity in natural resources. This book's target audience includes research scholars, consultants, site owners, industrial stakeholders, policymakers, and regulators. Aside from these, my primary target audiences for this book are students, researchers, teachers, young professionals, and those with an interest in Plant Physiology, Agronomy, Food Science, Pathology, Soil Science, Genetics, Plant Breeding, and all the directorates that fall under these categories.

**Authors: Prasann Kumar & Shipa Rani Dey**

ISBN: 9789389832976 | Year: 2021 | Pages: 492 | Price (₹): 3,950.00

## NANOFERTILIZERS: CHALLENGES AND PROSPECTS



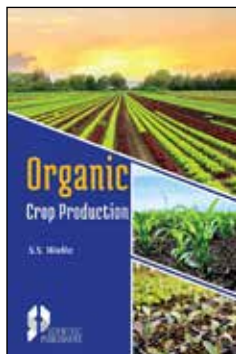
Based on long experience in nanofertilizer research, the author has prepared this excellent book for the academicians, students, researchers, farmers and industries. The purpose of this book is to draw attention on Nanofertilizer which has the potential to replace chemical fertilizer with balanced nutrient supply, high efficiency with better crop yield. It has the potential to improve food security, productivity and soil health. There are fifteen chapters in this book covering entire aspects of nanofertilizers including its unique features, scope, synthesis, stability, factors affecting production, characterization, application procedures, effects on soil and plants, physiological effects, use efficiency, gum production and stress tolerance, crop yield, safety aspects, future prospects and its environmental and social safeguard aspects. The information contained in this book would prove very useful to the researchers, teachers, policy makers engaged in agricultural sectors as well as people to develop innovative technologies for sustainable economic agriculture.

**Author: J.C. Tarafdar**

ISBN: 9789388043656 | Year: 2021 | Pages: 363 | Price (₹): 2,650.00

**New Release**

## ORGANIC CROP PRODUCTION



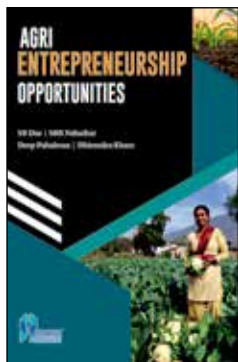
Organic farming is the form of agriculture that relies on techniques such as crop rotation, green manure, compost and biological pest control to maintain soil productivity and control pests on a farm. Organic farming excludes or strictly limits the use of manufactured fertilizers and pesticides, plant growth regulators such as hormones, livestock antibiotics, food additives, and genetically modified organisms. Organic farming usually involves mechanical weed control (via cultivating or hoeing) rather than herbicidal weed control.

A detailed and comprehensive information regarding organic farming concept, characteristics, principles, its types, organic production requirements, recycling of organic residues, green manures, bio-fertilizers; processing, grading, storage and transportation, soil improvement and organic manures, composting, its forms, advantages, disadvantages, and effect on physico-chemical and biological properties, vermi-compost, manure preparation methodology, organic manures and soil health improvement, economic analysis of organic farming, identification of different fungal and bacterial bio-control agents, disease control measures, organic insect management, cultural measures for insect management, indigenous technical knowledge for insect-pest, disease, weed and nutrient management, organic farming production.

**Author: S.S. Walia**

ISBN: 9789390495290 | Year: 2021 | Pages: 207 | Price (₹): 1,375.00

## AGRI ENTREPRENEURSHIP OPPORTUNITIES



The book converses innovative entrepreneurship opportunities in the field of agriculture for the purpose of growth under conditions of risk and uncertainty as agri-entrepreneurship is an emerging field in trade and commerce. The experiences of both the mentors and agri-entrepreneurs who actually achieved their goal by converting agricultural activity into an entrepreneurial activity have been discussed. The book will help startups, school drop outs and farmers to start and increase the market engagements and also mentors of incubation centers and teachers of the agricultural Universities involved in the Experiential Learning Programme for explaining agri-entrepreneurship i.e., analysis and understanding the strategies of agri-entrepreneurs in response to the institutional changes, government policies, economic and technological interventions and implementation of the mandate of National Education Policy. Know how of contributors, discussion on case studies, and experience of successful entrepreneurs made the book a blend of information on entrepreneurship in a how-to-do-it manner at every step to accomplish the goal. Chapters elucidate project formulation and financial analysis; support mechanism; licensing, marketing and export of agri-products to take high risks, prosper, manage and organize a new agri-business enterprise to earn the profit.

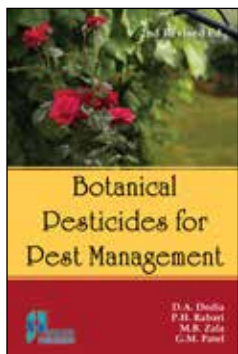
**Authors: SB Das, Dharendra Khare, SBR Nahatkar & P. Deep**

ISBN: 9789394645035 | Year: 2023 | Pages: 309 | Price (₹): 2,400.00

**New Release**

## BOTANICAL PESTICIDES FOR PEST MANAGEMENT

**(2ND ED.)**



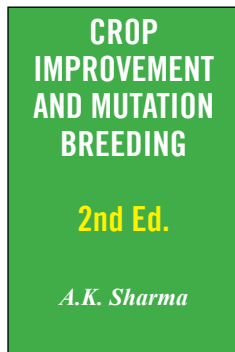
The 2nd Edition of the book is mainly written for the research workers and students of various Universities, who are interested to use ecofriendly indigenous plant materials in pest management programme. The book provides a brief amount on different plants having pesticidal properties viz., plant taxonomy, geographical distribution, chemical constitutions and their structural formula, their mode of action, procedure for preparation and their safety to non target organisms.

This book will be very useful to graduate/post graduate students of Agriculture as well as Basic science, researchers and extension workers. This book will also be useful to environmentalists who are interested to minimize the use of synthetic chemicals in pest management programme and also for the pesticide formulation industries to develop newer molecules based on phytochemicals. Every attempt has been made to provide necessary information for students and researchers, which is hardly available in other books.

**Authors: D.A. Dodia, I.S. Patel & G.M. Patel**

ISBN: 9789390495696 | Year: 2022 | Pages: 504 | Price (₹): 3,350.00

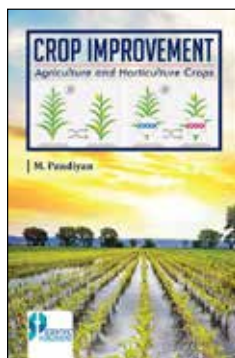
**Best Selling**

**CROP IMPROVEMENT AND MUTATION BREEDING****(2ND ED.)**

1. Introduction
2. History of Mutation breeding
3. Spontaneous and induced mutation
4. Classification of Mutation
5. Physical Mutagens and their mode of action
6. Chemical mutagens and their mode of action
7. DNA repair Mechanism
8. Mutagenic Effects
9. Mutagenicity Test
10. Detection of mutations
11. Requirement of Mutation Breeding
12. Mutation breeding scheme for seed propagated crop
13. Application of mutagenesis in seed propagated crops
14. Mutation breeding scheme for vegetative propagated crop
15. Application of mutagenesis in vegetatively propagated crops
16. Mutation useful for crop improvement
17. In Vitro mutagenesis
18. Achievement of Mutation Breeding
19. Working with mutation breeding

**Author: A.K. Sharma**

ISBN: 9788172338244 | Year: 2014 | Pages: 276

**In Press****CROP IMPROVEMENT: AGRICULTURE AND HORTICULTURE CROPS**

The book Crop Improvement: Agriculture and Horticulture Crops has been written with covering 33 chapters of Field and Horticultural crops, for the students of all agricultural universities. The undergraduate & post-graduate students of genetics and plant breeding subject of conventional universities of the country will also be benefited with this new type of book. The book covers nearly 32 crops in 33 chapters which includes other breeding aspects.

The book has been written in simple English & short format. This will be useful for student can easily understand the subject in both undergraduate and post graduate level. Additionally, this book also has question with each chapter.

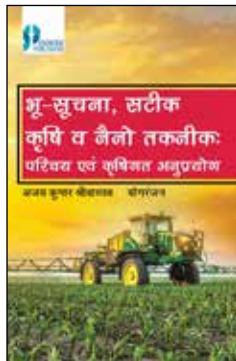
This book would be helpful for undergraduates and post graduates students of agriculture especially plant breeding students. This book provides strong knowledge to students for preparing higher studies as well as competitive exams of DBT-JRF, ICAR-NET and ARS exams.

**Author: M. Pandiyan**

ISBN: 9789389832785 | Year: 2022 | Pages: 256 | Price (₹): 325.00

**New Release**

## भू-सूचना, सटीक कृषि व नैनो तकनीक: परिचय एवं कृषिगत अनुप्रयोग



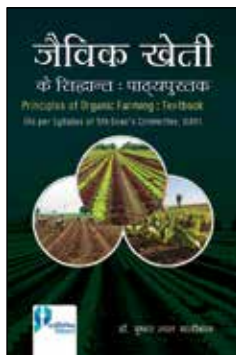
प्रस्तुत पुस्तक, उन्नत कृषि हेतु आवश्यक विविध विषयों जैसे सुदूर संवेदन तंत्र, भौगोलिक सूचना प्रणाली, भूमंडलीय स्थानिक प्रणाली तथा नैनोतकनीकी के आवश्यक अनुप्रयोगों का विषयगत विवरण अत्यंत सरल भाषा में प्रस्तुत करती है। कृषि विज्ञान के स्नातक स्तरीय हिंदी माध्यम के छात्रों को उक्त तकनीकों की मौलिक एवं तथ्यपरक जानकारी प्रदान करने के उद्देश्य से इस पुस्तक को ग्यारह अध्यायों में विभक्त किया गया है। सुस्पष्ट आंकड़े और सरल विश्लेषण के साथ पुस्तक के प्रत्येक अध्याय को छोटे-छोटे अनुच्छेदों में विभाजित किया गया है ताकि हिंदी भाषी छात्रों को न केवल नए विषयों के सिद्धांतों को समझने में आसानी हो, बल्कि प्रस्तुत पुस्तक के माध्यम से उनकी विषयगत जिज्ञासा भी शांत हो। विषय की नवीनता को दृष्टिगत रखते हुए प्रत्येक अध्याय को अंत में प्रश्नोत्तर तथा संभावित परीक्षोपयोगी प्रश्नों के साथ अलंकृत किया गया है एवं प्रत्येक विषय को चित्रों एवं मानचित्रों के माध्यम से सरलीकृत कर प्रस्तुत किया गया है। अनुभवी लेखकों ने पुस्तक में विविध अध्यायों को नए स्वरूप में प्रस्तुत कर इस तकनीकी विषय को छात्रों के लिए अत्यंत रोचक बनाया है।

लेखक: ए.के. श्रीवास्तव एवं योगरंजन

ISBN: 9789389832648 | Year: 2021 | Pages: 180 | Price (₹): 950.00

## जैविक खेती के सिद्धांत: पाठ्यपुस्तक

(As per Syllabus of 5th Dean's Committee, ICAR)



प्रस्तुत पुस्तक "जैविक खेती के सिद्धान्त पाठ्यपुस्तक" देश के विष्वविद्यालयों में अध्ययनरत कृषि स्नातक के छात्रों के लिए, भारतीय कृषि अनुसंधान परिषद् के पांचवी अधिष्ठाता कमेटी द्वारा अनुमोदित पाठ्यक्रम के अनुरूप मातृ भाषा हिन्दी में लिखी गई है। जैविक खेती पर अंग्रेजी भाषा में अनेक पुस्तकें उपलब्ध हैं, परन्तु हिन्दी भाषा पाठ्यक्रम के अनुसार पुस्तकें नगण्य ही हैं इसी को ध्यान में रखते हुए यह पुस्तक बहुत ही संक्षिप्त व सरल भाषा में लिखी गई है ताकि विद्यार्थियों को विषय को समझने में कोई कठिनाई नहीं हो। इस पुस्तक में जो अध्याय सम्मिलित किये गये हैं वे हैं जैविक खेती एक परिचय, भारत में जैविक कृषि प्रोत्साहन, जैविक पारिस्थितिकी तंत्र एवं अवधारणा, जैविक पोषक तत्व संसाधन व उनका प्रबन्धन, कीट एवं व्याधि प्रबन्धन, खरपतवार प्रबन्धन, जैविक उत्पादन प्रमाणीकरण प्रक्रिया एवम् मानक, जैविक उत्पाद प्रसंस्करण एवम् लेबलिंग, जैविक खेती की आर्थिक व्यवहार्यता, जैव उत्पाद विपणन एवं निर्यात संभावनाएं। पुस्तक में कठिन विषयों को उदाहरणों, प्रयोगों व प्रतीकान्मक चित्रों द्वारा सरल सुबोध बनाने का यथासंभव प्रयास किया गया है।



लेखक: पी. एल. पालीवाल

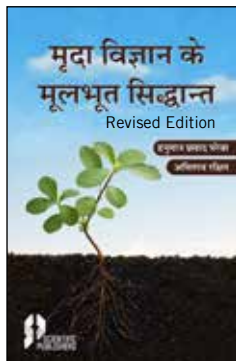
ISBN: 9789390495276 | Year: 2021 | Pages: 188 | Price (₹): 250.00

Best Selling



## मृदा विज्ञान के मूलभूत सिद्धांत

संशोधित संस्करण



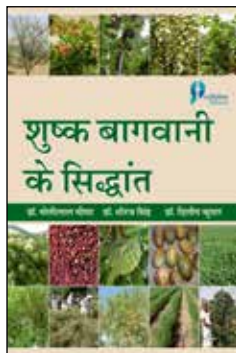
इस पुस्तक में सभी अध्यायों, मृदा की अवधारणा, मृदा परिच्छेदिका, चट्टान एवं खनिज, मृदा निर्माण प्रक्रम एवं प्रभावित करने वाले कारक, मृदा के भौतिक गुण, आयन विनिमय, मृदा अभिक्रिया, मृदा वायु एवं वातन, भूमि क्षमता वर्गीकरण, मृदा वर्गीकरण, भारत की मृदायें, मृदा जल, सिंचाई जल की गुणवत्ता, अम्लीय मृदायें, मृदा जीव, मृदा प्रदूषण एवं जैव उर्वरक के बारे में विस्तृत में जानकारी एवं नवीनतम विचारों के साथ-साथ आवश्यकतानुसार चित्रों को भी समायोजित किया गया है। यह पाठ्यपुस्तक विद्यार्थियों के लिए बेहद उपयोगी साबित होगी क्योंकि इसे भारत के विभिन्न कृषि विश्वविद्यालयों के पाठ्यक्रम (पंचम अधिष्ठाता समिति द्वारा निर्दिष्ट नवीन पाठ्यक्रमानुसार) के अनुसार विकसित किया गया है।

लेखक: हनुमान प्रसाद परेवा एवं अमितव रक्षित

ISBN: 9789389184181 | Year: 2022 | Pages: 312 | Price (₹): 1,995.00

Best Selling

## शुष्क बागवानी के सिद्धांत

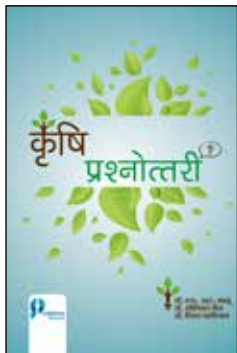


1. फलों की बागवानी की उन्नत विधियाँ
2. शुष्क क्षेत्रों में फलदार वृक्षों में जल प्रबंधन
3. शुष्क क्षेत्रीय सब्जियाँ उत्पादन
4. जलवायु परिवर्तन में शुष्क बागवानी
5. फल वृक्षों में खाद एवं उर्वरक
6. नींबू उत्पादन की वैज्ञानिक तकनीक
7. कर्णोदा की वैज्ञानिक खेती
8. बेर की उन्नत खेती
9. अनार की उन्नत खेती
10. खजूर की वैज्ञानिक खेती
11. अंजीर की उन्नत खेती
12. सैंजना की वैज्ञानिक खेती
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14. बेल की वैज्ञानिक खेती
15. आंवला की उन्नत खेती
16. फालसा की उन्नत खेती
17. जामुन की उन्नत खेती
18. अमरुद की उन्नत खेती
19. सीताफल की उन्नत खेती
20. शहतूत की उन्नत खेती
21. काचरी की उन्नत खेती
22. ग्वार फली की उन्नत खेती
23. फ्रुट ककड़ी की उन्नत खेती
24. टिण्डा की वैज्ञानिक खेती करना
25. ककड़ी की उन्नत खेती
26. ककोड़ा की उन्नत खेती
27. लौकी की उन्नत खेती
28. तुरई की उन्नत खेती
29. मतीरा की उन्नत खेती
30. खरबूजा की उन्नत खेती
31. कसूरी मेथी की उन्नत खेती
32. सौंफ की उन्नत खेती आदि
33. जीरा की उन्नत खेती
34. कलौंजी की उन्नत खेती
35. कल्पवृक्ष खेजड़ी एक बहुउपयोगी वृक्ष
36. पीलू की उन्नत खेती .....
- 43 किसानों की आय दोगुना करने में उपयोगी के वी के कि भूमिका

लेखक: एम.एल. मीना, धीरज सिंह एवं दिलीप कुमार

ISBN: 9789390749614 | Year: 2021 | Pages: 340 | Price (₹): 2,550.00

## कृषि प्रश्नोत्तरी



(AO/AAO/ARO, JET /  
Pre & PG/ARS/NET)

विभिन्न प्रतियोगी परीक्षाओं के लिये यह पुस्तक सरल हिन्दी भाषा में प्रस्तुत की जा रही है। इस पुस्तक में कृषि से सम्बन्धित विभिन्न विषयों को 2000 प्रश्न-उत्तर के रूप में संकलित किया गया है। उत्तर वस्तुनिष्ठ न होकर विषयों के बारे में पूर्ण जानकारी देते हैं जैसा कि अन्य उपलब्ध कृषि प्रतियोगी परीक्षाओं की पुस्तकों में नहीं होता है। कृषि विषयों जैसे सस्य विज्ञान, आनुवंशिकी, मृदा विज्ञान, उद्यानिकी, अनुसंधान, विकास, विस्तार, सरकारी योजनाओं इत्यादि के बारे में भी इसमें बताया गया है। यह पुस्तक कृषि क्षेत्र की प्रतियोगी परीक्षाओं जैसे बैंकिंग, ख़र्षि पर्यवेक्षक, बीज एवं कृषि अधिकारी (AO/AAO/ARO, JET/Pre & PG/ARS/NET) अथवा निजी क्षेत्र में भर्तियों के लिये ज्ञान का एक अनूठा संकलन है। इसके अतिरिक्त कृषि से जुड़े सरकारी, गैर-सरकारी, कृषि छात्रों, अध्यापकों एवं किसान भाईयों के लिये भी यह उपयोगी नवीनतम पुस्तक है।

लेखक: एस.आर. मालू, मोनिका जैन एवं शिप्रा पालीवाल

ISBN: 9789390749126 | Year: 2022 | Pages: 282 | Price (₹): 295.00

Competative Exam

## कृषि जगत: जेट एवं कृषि पर्यवेक्षक परीक्षा उपयोगी

(2ND ED.)



(JET, ICAR & BHU)

इस पुस्तक में कृषि संकाय, गृह विज्ञान एवं कृषि वानिकी के स्नातक की प्रवेश परीक्षा तथा कृषि पर्यवेक्षकों, सहायक कृषि अधिकारियों की प्रवेश परीक्षा की तैयारी हेतु बहुवैकल्पिक उत्तरों वाले प्रश्न पत्र तैयार किये गये हैं जो पांच खण्डों में विभक्त है। यह खण्ड क्रमशः भौतिक विज्ञान, रसायन विज्ञान, जीव विज्ञान, कृषि विज्ञान व गणित से सम्बन्धित है। इन प्रवेश/प्रतियोगिता परीक्षाओं की तैयारी के लिए वर्तमान में सम्पूर्ण जानकारी वाली कोई गाइड उपलब्ध नहीं है और विद्यार्थियों को इस प्रवेश परीक्षा की तैयारी के लिए बहुत सी अलग-अलग किताबों का अध्ययन करना पड़ता है। इस पुस्तक में राजस्थान परीक्षा व अन्य कृषि विश्वविद्यालय में कृषि स्नातक प्रवेश परीक्षा के लिये सम्पूर्ण जानकारी एकत्र करने का प्रयास किया गया है। साथ ही गत वर्षों में पूछे गये सवालों के आधार पर ही यह पुस्तक तैयार की गई है। ऐसे मुख्य प्रश्नों का समागम इस पुस्तक में किया गया है। अतः यह पुस्तक कृषि संकाय, जीव विज्ञान संकाय व गणित संकाय के छात्र-छात्राओं के लिए एक ही जगह सभी महत्वपूर्ण जानकारीयें उपलब्ध करवाती है।

लेखक: एम. एल. जाट, एम.के. महाला, जे.के. बेलियान,  
सी.एम. यादव, आर. के. शर्मा एवं बी.जी. छीपा

ISBN: 9789389832389 | Year: 2022 | Pages: 539 | Price (₹): 475.00

Competative Exam

**OBJECTIVE PLANT PATHOLOGY****(2ND ED.)**

The book 'Objective Plant Pathology' is designed to cover all the topics of Plant Pathology. It aims to benefit by acquiring new information and improving the level of competence in various competitive examinations like ARS-NET, M.Sc. and Ph.D. in Plant Pathology. The books which are often recommended for preparation of Plant Pathology, have been thoroughly consulted to formulate the MCQs in this book. Recent information has been added from several research and review articles. It is expected that the readers would be able to test their preparation as well as gain new insight into the subject. With more than 3,000 MCQs on various aspects of the subject, this book can serve as a repository of objective questions in Plant Pathology.

**Authors: Susanta Banik & A.K. Mandal**

ISBN: 9789387741737 | Year: 2021 | Pages: 280 | Price (₹): 275.00

## पादप रोग विज्ञान (परिक्षोपयोगी प्रश्नोत्तरी सहित)



कृषि एवं कृषि उत्पादों का महत्व मानव जीवन में सर्वविदित है। उत्पादन की वृद्धि एवं उच्च गुणवत्ता वर्तमान समय की प्राथमिक आवश्यकता है। “पादप रोग विज्ञान” कृषि उत्पादों के मानवीय पहलू की महत्ता पर कटारघात है। यद्यपि कृषक अनुभव आधारित ज्ञान से इस समस्या के प्रबंधन में दिन-रात व्यतीत करता है परन्तु सटीक जानकारी एवं पहचान क्षमता के अभाव में किसान अपर्याप्त फलता प्राप्त कर पाता है।

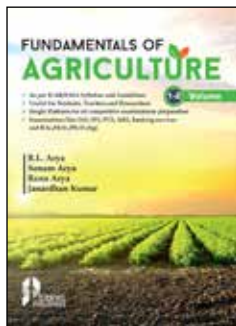
यह पुस्तक कृषकों एवं पौध व्यधिषोद्धारियों के प्राथमिक स्तरीय रोग परिचय एवं प्रबन्धन की जानकारी को पुष्ट करने के उद्देश्य से लिखी गई है। मानसून आधारित कृषि में सिंचाई सुविधा के समावेश ने वर्ष पर्यन्त लाभकारी फसलों जैसे अनाज, दालें, मसालें, फलों, सब्जियों तथा मुद्गण फसलों का उत्पादन संभव बनाया है। किसानों द्वारा रोग की पहचान एवं सही उपचार हेतु विशेषज्ञ सम्पर्क हेतु व्यतित समयान्तराल में फसल का एक बड़ा भाग नष्ट हो जाता है।

सरल हिन्दी भाषा में मुद्रित यह पुस्तक सभी शोधकर्ताओं को प्राथमिक स्तर पर रोग पहचान एवं संभावित उपचार विधियों में सहायता प्रदान करेगी, जो फसल उत्पादन बढ़ाने में अवश्यम्भावी हितकर सिद्ध होगी। पुस्तक का शैक्षणिक महत्व वर्धित करने हेतु अन्त में कृषि विज्ञान एवं पादप व्याधि उपचार एवं प्रतियोगिता आधारित प्रश्नोत्तरी का संकलन समावेशित किया गया है। जो समस्त परिक्षार्थियों के लिए “गागर में सागर” ज्ञान स्रोत का रूपक है।

**लेखक: डी.एल. यादव, रीतु मारवार एवं लादु राम**

ISBN: 9789392590627 | Year: 2022 | Pages: 150 | Price (₹): 950.00

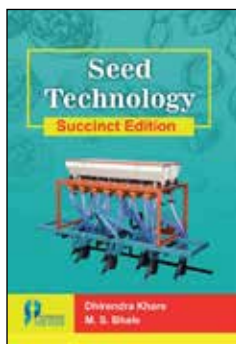
**New Release**

**FUNDAMENTALS OF AGRICULTURE****(VOLUME 1 & 2)**

Fundamentals of Agriculture for competitive exams in agriculture discipline contains 6 chapters in volume I and 7 chapters in volume II covering all disciplines of agriculture. The chapters included General Agriculture, Agricultural Climatology, Genetics, Plant Breeding Biotechnology, Plant Physiology Biochemistry, Seed Technology and Agronomy in volume I and Soil Science Agricultural Microbiology, Horticulture, Entomology, Plant Pathology, Agriculture Extension, Agriculture Economics and Agriculture Statistics in Volume II have given due importance and whole syllabus is covered as per ICAR/SAUs syllabus and guidelines. Each chapters contains very short types of descriptive questions. Recent precise information and development in the field of agriculture have been incorporated in the book. For the overall benefit of the student in the discipline of agriculture we have made this book exclusively in such a way that it hands out not only solutions but also detailed explanations. Though these detailed and thorough explanation, student can learn the concepts which will enhance their thinking and learning ability. Thus this book may be useful not only to students but also teachers, researchers, extension workers and development officers for reference and easy answering of many complicated questions of all related disciplines of agriculture. Fundamentals of Agriculture covers the course contents of competitive examinations like IAS, IFS, PCS, ARS, Banking services, B.Sc./M.Sc./Ph.D. (Ag) admission, states and national levels of different competitions in agriculture.

**Authors: R.L. Arya, Sonam Arya, Renu Arya & Janardhan Kumar**

ISBN: 9789389412765 | Year: 2020 | Pages: 321 | Price (₹): 390.00

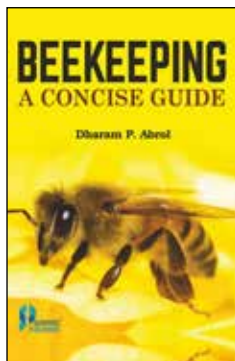
**SEED TECHNOLOGY (SUCCINCT EDITION)**

It is the succinct edition of the book entitled Seed Technology. The book was well accepted by students, teachers and personnel engaged in seed research, seed production, seed certification, seed testing, seed industry and seed commerce. With 31 years of active experience in the field of seed, the book is blended with information on seed technology in how-to-do-it manner and answer of how, when, why and where to explain the science of seed. The succinct edition also provides integrated information for the courses offered by traditional universities in the background of agriculture in condensed form. The book includes line diagrams and flow charts to make it practical oriented.

**Enlarge Edition also available**

**Authors: Dharendra Khare & M.S. Bhale**

ISBN: 9789388043588 | Year: 2021 | Pages: 396 | Price (₹): 495.00

**BEEKEEPING: A CONCISE GUIDE****(CONCISE EDITION)**

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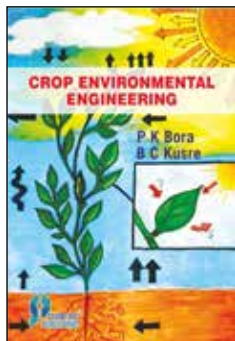
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14. Management of honeybee diseases and their enemies
15. Pesticidal Poisoning to Honeybees
16. Beekeeping and livelihood security
17. Handling, Processing, Storage and marketing of Honey
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**Author: Dharam P. Abrol**

ISBN: 9789388043694 | Year: 2022 | Pages: 500

**In Press**

**CROP ENVIRONMENTAL ENGINEERING**

This book covers all the aspects of crop production that includes the soil, the surrounding atmosphere and plant itself. Combination of all the three factors results in optimum growth and production. Till few years back all these factors were considered independently. However, now we have knowledge and resources to understand the interactions and its significance.

The crop environmental engineering is a part of major optional course in the M Tech program offered in Soil Water Engineering, Irrigation and Drainage Engineering and Soil and Water Conservation Engineering disciplines in various Agricultural Universities of the country. The objective of the course is to acquaint and equip the process of soil-water-plant relationship and their interaction for crop growth. It is offered as 2+0 credit course.

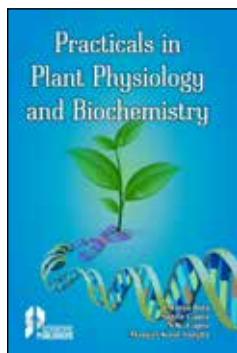
We found that there is no single book that covers the entire course content. The students have to refer different books such as soil science to thermodynamics and plant physiology to protected cultivation for this subject.

**Authors: P K Bora & B C Kusre**

ISBN: 9789390749454 | Year: 2022 | Pages: 215

**In Press**

## PRACTICALS IN PLANT PHYSIOLOGY AND BIOCHEMISTRY

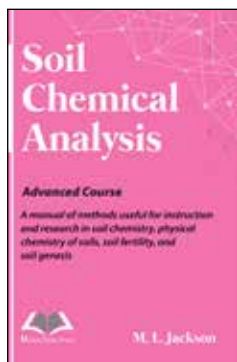


This book provides information on basic experiments on plant physiology and biochemistry. The contents have been divided in two parts i.e. plant physiology and biochemistry. The topics in plant physiology include photosynthesis, transpiration, pigments, respiration, seed germination and nutrient deficiency whereas biochemistry part covers primary metabolites, secondary metabolites, enzymes, vitamins and buffers. Techniques like chromatography, electrophoresis have also been discussed. Every effort has been made to make the book precise and concise. The theory and principle of each experiment has been provided in the beginning of each experiment to make it easily understandable. It is expected that the book will be useful for students studying plant physiology and biochemistry at undergraduate as well as post graduate level.

**Authors: Manju Bala, Sunita Gupta, N.K. Gupta & M.K. Sangha**

ISBN: 9788172338527 | Year: 2019 | Pages: 196 | Price (₹): 950.00

## SOIL CHEMICAL ANALYSIS



This book Soil Chemical Analysis: Advanced Course are useful for an advanced laboratory accompanying two 1-hour lectures per week on soil mineral weathering, soil chemistry, or physical chemistry of soils, generally offered to students at the first to third graduate college year, preferably after elementary courses in general mineralogy, soil chemical analysis, and physical chemistry. The laboratory is ordinarily given in one 4-hour period per week for a semester, accompanied by a 1-hour lecture per week entirely for discussion of the principles of the procedures.

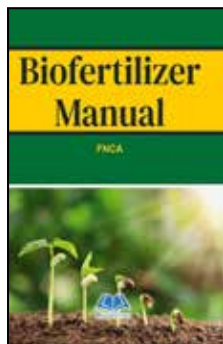
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**Author: M.L. Jackson**

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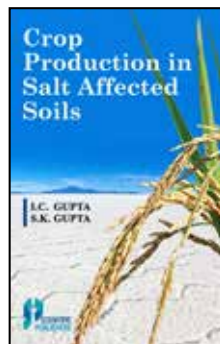
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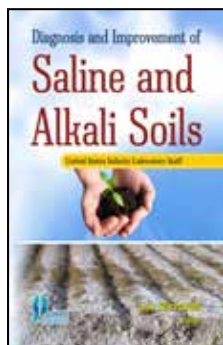
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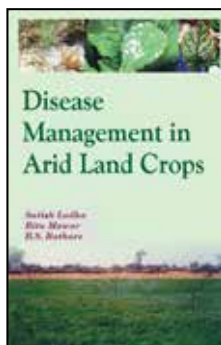
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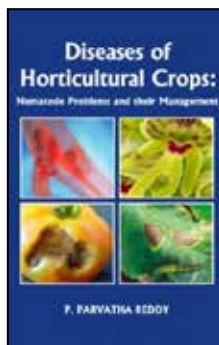
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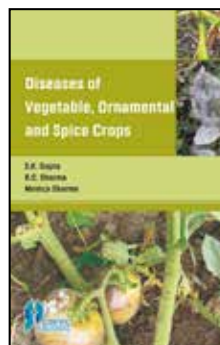
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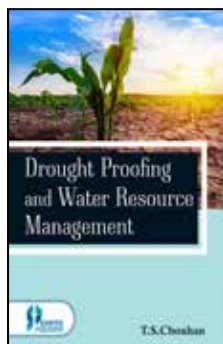
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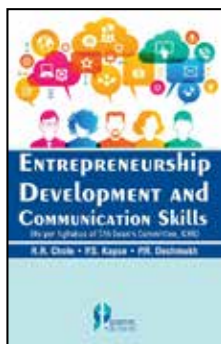
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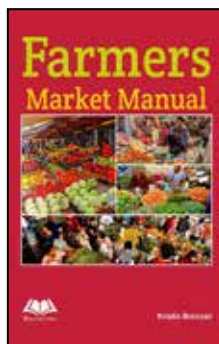
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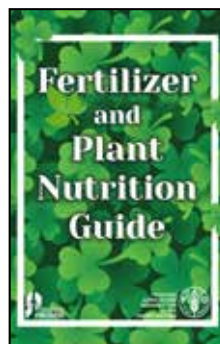
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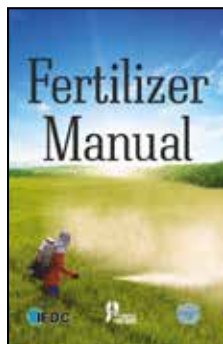


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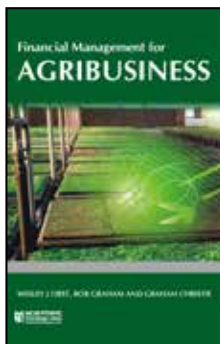


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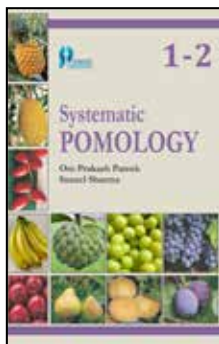
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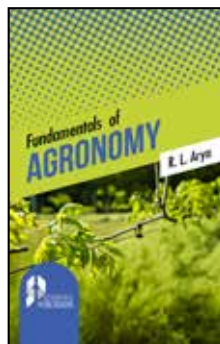
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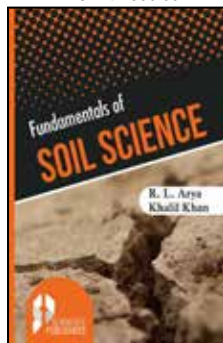
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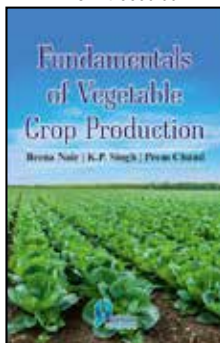
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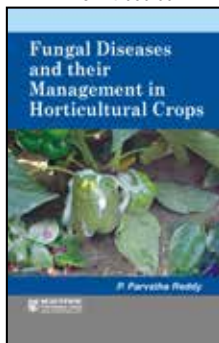
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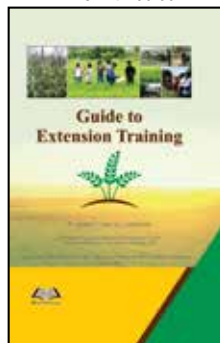
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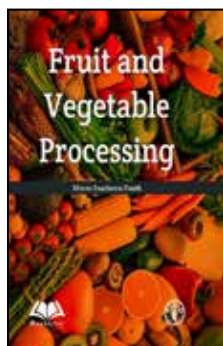
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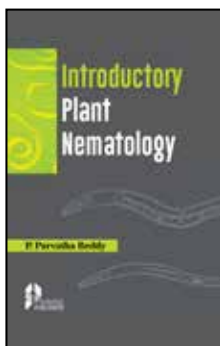
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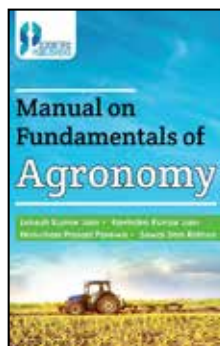
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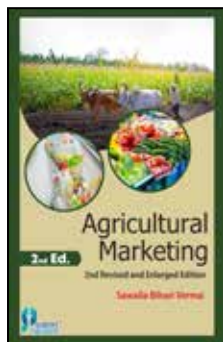


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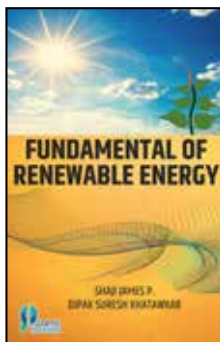


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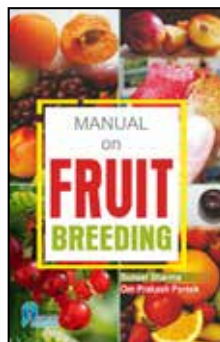
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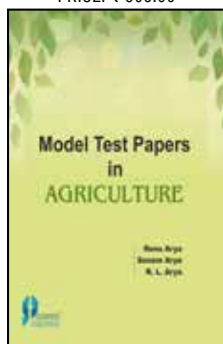
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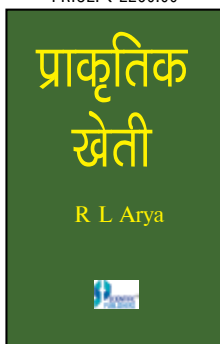
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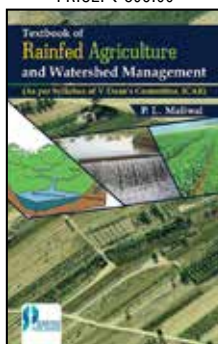
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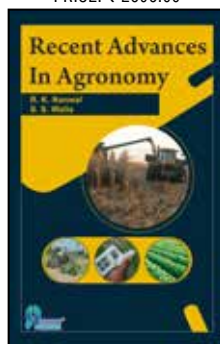
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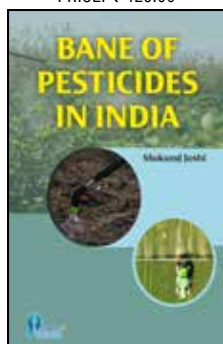
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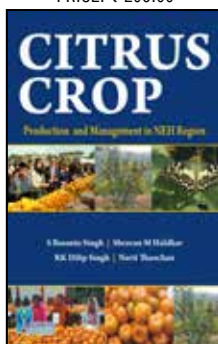
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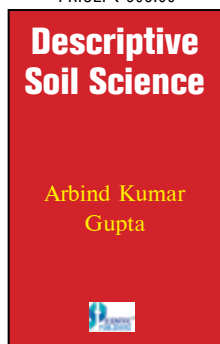
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## औषध पादप वर्णन विधि

### Description Method of Medicinal Plants



विभिन्न पुस्तकों में वनस्पतियों का वर्णन करते समय, उनको भली प्रकार से समझने के लिये, उनके विभिन्न अंगों जैसे तना, पत्र, पुष्प, फल आदि के बहुत सारे गुणों का वर्णन होता है। पत्र के ही 123 गुणों का वर्णन किया जाता है। वनस्पति विज्ञान की पारिभाषिक शब्दावली भी विशेष होती है। विभिन्न अंगों के गुणों को समझने के लिये एवं इन पारिभाषिक शब्दावली को हिन्दी और अंग्रेजी भाषा में ठीक से समझने के लिये इस छोटी सी पुस्तक का निर्माण किया गया है। प्रस्तुत पुस्तक में वनस्पतियों के बारे में विभिन्न परिचय एवं विभिन्न अंगों जैसे प्राकृतिक आवास (Habitat), स्वभाव (Habit), विशेष प्रकृति (Special Nature), मूल (Root), तना (Stem), पत्र (Leaf), पुष्पकम (Inflorescence), पुष्प (Flower), फल (Fruits), बीज (Seeds), पुष्प सूत्र (Floral formula), पुष्प मानचित्र (Floral diagram), वर्गीकरण (Classification) आदि के बारे में विस्तृत वर्णन किया गया है। विषय को सरलता से समझने के लिये विभिन्न रेखाचित्र दिये गये हैं। साथ ही पारिभाषिक शब्दावली को हिन्दी व अंग्रेजी में समझने के लिये हिन्दी से अंग्रेजी एवं अंग्रेजी से हिन्दी का शब्दकोष दिया गया है। आशा है कि यह पुस्तक आयुर्वेद के स्नातक व स्नातकोत्तर छात्रों और चिकित्सकों को वनस्पति परिचय समझने के लिये उपयोगी होगी।

लेखक: आर. के. भूतिया

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## औषध द्रव्यों का त्रिदोष गुण विवेचन



आयुर्वेद का मूल आधार औषधीय वनस्पतियाँ अथवा द्रव्यगुण विज्ञान है। औषध द्रव्यों के वात, पित्त एवं कफ के ऊपर एवं इनके 7-7 उष्ण, रुक्षादि गुणों पर होने वाले प्रभावों को ध्यान में रख कर ही औषधियों का निर्माण किया जाता है। किन्तु यदि हम देखें तो ज्ञात होगा कि अश्वगन्धा, एरण्ड, शतावरी, घृत, तैल, दशमूल, निर्गुण्डी, माष, अजवायन इत्यादि वातनाशक औषध द्रव्यों का वातनाशन प्रभाव, मात्रात्मक एवं गुणात्मक रूप से एक जैसा नहीं है। ऐसा ही पित्तनाशक व कफनाशक द्रव्यों के विषय में है।

प्रस्तुत पुस्तक में इन्हीं सब बातों पर विचार करके मुख्य-मुख्य औषध द्रव्यों के त्रिदोष व उनके गुणों पर पड़ने वाले प्रभाव का मात्रात्मक एवं गुणात्मक या तर तम भेद का वर्णन किया गया है। प्रस्तुत पुस्तक में निम्न बिन्दुओं का वर्णन किया गया है – 1. औषध द्रव्य का नाम। 2. औषध द्रव्य के संस्कृत नाम। 3. संहिताओं के महाकषाय अथवा गणों का उल्लेख। 4. औषध द्रव्य का विभिन्न स्रोत पर प्रभाव का उल्लेख। 5. औषध द्रव्य के रस, गुण, वीर्य, विपाक का शास्त्रीय उल्लेख एवं जहाँ इनका शास्त्रीय उल्लेख नहीं उपलब्ध होता वहाँ उसकी पूर्ति। 6. औषध द्रव्य के वात, पित्त, कफ के नाशक का उल्लेख एवं प्रभाव की ग्रेडिंग। 7. औषध द्रव्य के वात, पित्त, कफ के कारत्व का उल्लेख एवं प्रभाव की ग्रेडिंग। 8. औषध द्रव्य के विभिन्न संहिता ग्रन्थों एवं निघण्टुओं व अन्य शास्त्रीय पुस्तकों में नाम.....15. यूनानी औषधशास्त्र से तुलना।

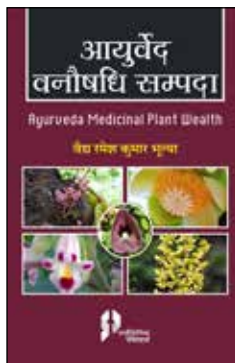
लेखक: आर. के. भूतिया

ISBN: 9788172339586 | Year: 2016 | Pages: 555 | Price (₹): 2,750.00



## आयुर्वेद वनौषधि सम्पदा

### Ayurveda Medicinal Plant Wealth



प्रस्तुत पुस्तक उन व्यक्तियों के लिये अति उपयोगी है जिनकी आयुर्वेद एवं भारतीय औषध द्रव्यों में रुचि है। आयुर्वेद के स्नातकों, आयुर्वेद चिकित्सकों के साथ-साथ उन सभी व्यक्तियों के लिये भी उपयोगी है जो विभिन्न जड़ी बूटियों को जानने समझने में रुचि रखते हैं। अपने आस पास खेत, खलिहानों में, उद्यानों में एवं आस पास के जंगलों में बहुमूल्य आयुर्वेदिक औषधियाँ पाई जाती हैं, जिनका आयुर्वेद चिकित्सा में बहुत अधिक प्रयोग होता है। जानकारी के अभाव में हम इन्हें खरपतवार समझकर नष्ट कर देते हैं या चारे के रूप में जानवरों को खिला देते हैं यदि हम इन्हें जान, समझ पायें तो इनका लाभ उठाकर चिकित्सा में प्रयोग करके काफी धनराशि बचा सकते हैं, अथवा इनसे औषधों का निर्माण करके रोगियों को दे सकते हैं। इससे धन की बचत के साथ साथ अच्छी कार्य क्षमता एवं गुणवत्ता की औषधियाँ भी प्राप्त होगी। इन दिनों यह अनुभव किया जा रहा है कि आयुर्वेदिक औषधियाँ अत्यधिक महंगी हो गई हैं और इनकी लागत और विक्रय मूल्य में 10 से 20 गुना तक अन्तर आ रहा है, जबकि आयुर्वेद की चिकित्सा जनता इसलिये लेती है कि यह सस्ती होती है या चिकित्सालय में निःशुल्क मिलती है।

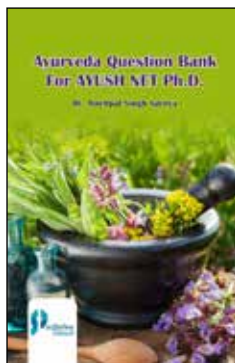
प्रस्तुत पुस्तक में आयुर्वेद में प्रयुक्त किये जाने वाले और भारत में पाये जाने वाले विभिन्न आयुर्वेदिक औषधियों का सम्पूर्णता से वर्णन, रंगीन चित्र सहित किया गया है। वनस्पतियों का हिन्दी, संस्कृत, स्थानीय एवं लेटिन नामों के साथ-साथ उनकी फैमिली एवं प्रकारों के नाम भी दिये गये हैं। वनस्पतियों के स्वरूप जैसे वृक्ष, लता आदि तथा तना, पत्र, पुष्प, फल इत्यादि का सम्पूर्णता से वर्णन किया गया है। इनके उत्पत्ति स्थान, प्रयोग में आने वाले अंग, औषधीय मात्रा, गुणकर्म, विभिन्न रोगों में उपयोग एवं व्यवहारिक रूप से रोगों में प्रयोग के लिये योग दिये गये हैं।

**लेखक: आर. के. भूतिया**

ISBN: 9789392590047 | Year: 2021 | Pages: 629 | Price (₹): 2,750.00

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## AYURVEDA QUESTION BANK FOR AYUSH NET Ph.D.

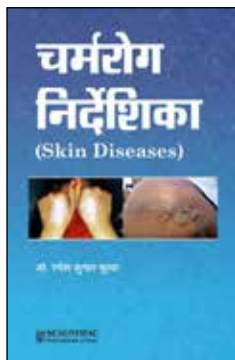


Introduction of AYUSH Ph.D. Fellowship/Senior Research Scheme is a welcome move in enhancing the credibility of AYUSH systems of medicine. It provides a suitable platform for advance studies after post graduation i.e. M.D. degree. Based on topics prescribed for Ayurveda portion, an attempt has been made to create question bank based on multiple choice questions (MCQs) for aspiring students appearing in the entrance examination for AYUSH Ph.D. Fellowship scheme. More than 500 questions have been selected related to priority areas of research have been included in the question bank and shall be expanded in near future based on the market feedback.

**Author: Amritpal Singh Saroya**

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प्रस्तुत पुस्तक में रोगों का वैज्ञानिक वगल्लकरण, प्राथमिक विकारों की परिभाषा, क्षेत्रीय सापेक्ष निदान, रोगी परीक्षण व इतिवृत्त लेना, विभिन्न कारणों से उत्पन्न चर्म रोगों का विस्तृत वर्णन, उनकी आयुर्वेदिक एवं आधुनिक चिकित्सा, विभिन्न पुस्तकों में वर्णित चर्म रोग में प्रयुक्त औषधों का संग्रह व घटकों का विवेचन, चर्म रोगों के रंगीन चित्र, अंग्रेजी हिन्दी शब्दकोश, हिन्दी-अंग्रेजी शब्दकोश, रोगों की अंग्रेजी एवं हिन्दी सूची दी गई है। आशा है कि प्रस्तुत पुस्तक आयुर्वेद चिकित्सकों एवं आयुर्वेद महाविद्यालय के छात्रों, डॉक्टरों, मेडिकल प्रैक्टिसनर्स एवं मेडिकल व आयुर्वेदिक विज्ञान में रुचि रखने वाले सामान्य व्यक्तियों के लिये भी सहायक सि) होगी।

**लेखक: आर. के. भूतिया**

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**Author: R.K. Bhutya**

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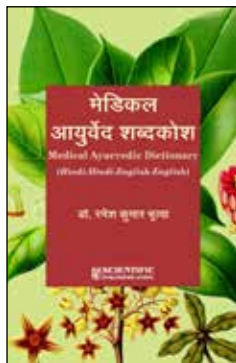
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## MEDICAL AYURVEDIC DICTIONARY (हिन्दी-ENGLISH)



अभी मेडिकल डिक्सनरी के क्षेत्र में जितनी भी डिक्सनरीज उपलब्ध हैं, वे सब अंग्रेजी से अंग्रेजी में हैं या अंग्रेजी से हिन्दी में हैं, परन्तु हिन्दी से अंग्रेजी में मेडिकल डिक्सनरी उपलब्ध नहीं होती हैं। यहाँ तक कि इन्टरनेट पर भी उपलब्ध नहीं हैं। इससे हिन्दी भाषी क्षेत्र में मेडिकल एवं आयुर्वेदिक डॉक्टर्स तथा स्टूडेंट्स को किसी भी रोग या लक्षण के शुद्ध तकनीकी शब्दों के अभाव के कारण आपस में विचार-विमर्श करने, मेडिकल पुस्तकों में रोग को खोजने एवं इन्टरनेट पर सर्च करने में कफ़ी समस्या आती है। इस समस्या के निवारण के लिए इस शब्दकोश की आवश्यकता पड़ी। सामान्यतः बहुत सारे रोग या लक्षण के शुद्ध मेडिकल तकनीकी ज्ञान नहीं होता, जैसे घबराहट, बेचैनी, दुर्गन्धित पसीना, पादतल दाह, भैँगापन, गन्धज्ञान न होना, स्वाद का ज्ञान न होना, इच्छाशक्ति का अभाव, त्वचा पर चीटियों के चलने का आभास, शरीर पर असामान्य बालों की वृद्धि, तिमिर दर्शन, मल मूत्र पर रोक न होना, विरसता, नाम याद न रहना, पसीना अधिक आना, सोते समय दाँत पीसना, इससे अनेक कठिनाइयाँ आती हैं। इसी तरह आयुर्वेदिक शब्दों का शुद्ध हिन्दी व अंग्रेजी अर्थ एवं भावार्थ जानना भी दुश्कर कार्य था। इस समस्या के कारण ही इस शब्दकोश की रचना की आवश्यकता पड़ी तथा इसके लिये यह प्रयास किया गया है।

आयुर्वेदिक शब्दों का शुद्ध भावानुवाद करना अत्यन्त कठिन कार्य है। प्रस्तुत पुस्तक में इसका सार्थक प्रयास किया गया है। इस पुस्तक में सर्वप्रथम एक शब्द में हिन्दी शब्द, उसके बाद उसका विस्तृत भावानुवाद, फिर एक शब्द में अंग्रेजी अनुवाद, फिर उसका शुद्ध उच्चारण तथा फिर विस्तृत अंग्रेजी भावानुवाद दिया गया है ताकि पाठक अच्छी तरह उसका अर्थ समझ सकें।

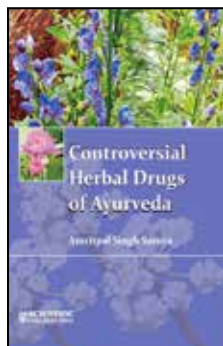
प्रस्तुत पुस्तक मेडिकल एवं आयुर्वेदिक डॉक्टर्स तथा स्टूडेंट्स, फार्मसिस्ट्स, डेंटल, फिजियोथेरेपिस्ट, होम्योपैथिक डॉक्टर्स, पैरामेडिकल स्टाफ, मेडिकल प्रेक्टिसनर्स एवं मेडिकल और आयुर्वेदिक विज्ञान में रुचि रखने वाले सामान्य व्यक्तियों के लिये भी सहायक सिद्ध होगी।

**लेखक: आर. के. भूतिया**

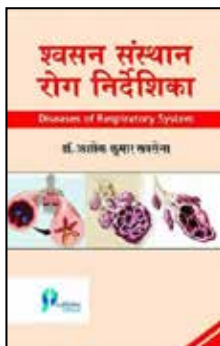
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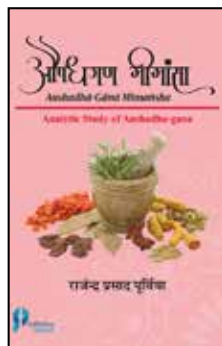
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## COLOUR ATLAS OF MEDICINAL PLANTS

(VOL. 1 &amp; 2)



Proper identification of medicinal plants is still a great problem at this time. It has also drawn the attention from common men in general and scholars in the medical streams. In the light of the above, the curiosity about the sources of the medicines, medicinal plants in most of the cases, has drawn considerable interest among all quarters of the medical science. In addition, in the absence of proper knowledge related to the identification of medicinal plants, many plants remained either unidentified or wrongly identified. In this book, an attempt is made to fill the above identified gaps. It is my firm belief that this book will be of immense use to Ayurveda experts, teachers, students of post-graduates and under-graduates Ayurvedic courses, researchers, students of botany, scientists, pharmacologists, pharmaceutical organizations, pharmacists, biochemists, medical men and even common men.



## Salient features of the book:

1. The latest and updated botanical names are given in this book.
2. Complete botanical identification with plant, bark, root, stem, leaf, flower, fruit and seed with full morphological features, which would be helpful in tentative identification of the plant in the field.
3. Photos of all plants in natural habitat, are also given. All photos are original, with quality, distinguishable and taken by author at various places of India.
4. At last, a composite list of Ayurvedic/Hindi names is given for readers' convenience.

**Author: R.K. Bhutya**

ISBN: 9789383692552 | Year: 2018 | Pages: 255 | Price (₹): 3,950.00

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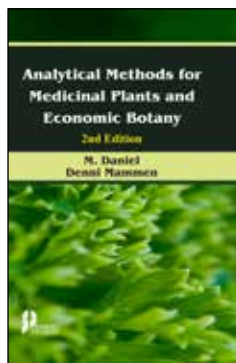
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## ANALYTICAL METHODS FOR MEDICINAL PLANTS AND ECONOMIC BOTANY

(2ND ED.)



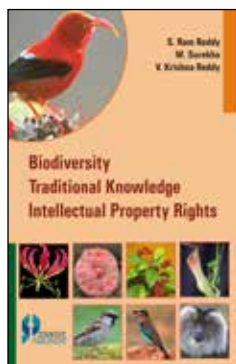
A unique, unified and a single source laboratory handbook; providing handy analytical procedures on the gamut of important, diagnostic medicinal and economic plant chemicals. More than 300 experiments on about 70 groups of phytochemicals in about 100 important plants are explained in an understandable way. A brief review on the chemistry, various types of extraction, solvents used and important analytical instruments are specified in the beginning of the book. The experiments range from simple paper and TLC chromatographic procedures to advanced GC and HPLC methods, therefore, the experiments can be easily selected depending on the availability of instruments with oneself. This book will be a valuable handbook for all the ayurvedic and herbal manufacturers throughout the world for their quality control procedures; and for courses on biochemistry, botany, pharmacy, biotechnology and organic chemistry. This can also serve as a reference book for phytochemistry, economic botany, medicinal plants and researchers.

**Authors: M. Daniel & Denni Mammen**

ISBN: 9788172339753 | Year: 2021 | Pages: 290 | Price (₹): 2,450.00

**Best Selling**

## BIODIVERSITY TRADITIONAL, KNOWLEDGE AND INTELLECTUAL PROPERTY RIGHTS



The present book Biodiversity, Traditional Knowledge and Intellectual Property Rights elaborates principles of biodiversity right from definitions and concepts to strategies for conservation of biodiversity. It also explains the roles and functions of international organizations like CBD in biodiversity conservation. The unique feature of this book is it connects biodiversity, traditional knowledge and intellectual property rights. Different aspects of biodiversity related traditional knowledge and international initiatives undertaken to protect the rights of traditional knowledge holders are discussed.

**Contents:** Chapter 1. Biodiversity - Definitions and Concepts, Chapter 2. Accumulation of Biodiversity, Chapter 3. Distribution of Biodiversity, Chapter 4. Value and Benefits of Biodiversity, Chapter 5. Threats and Loss of Biodiversity, Chapter 6. Biodiversity Monitoring, Assessment and Inventory, Chapter 7. Biodiversity-Conservation, Chapter 8. Biodiversity -International Organizations, Chapter 9. Biodiversity - Indian Scenario, Chapter 10. Biodiversity - Traditional Knowledge, Chapter 11 . Biodiversity -Traditional Knowledge-Intellectual Property Rights, Chapter 12. Protection of Traditional Knowledge - Indian Initiatives, References and Annexures.

**Authors: S. Ram Reddy , M. Surekha & V. Krishna Reddy**

ISBN: 9788172339692 | Year: 2021 | Pages: 261 | Price (₹): 2,450.00

## BIOLOGICAL SCIENCES: A KALEIDOSCOPIC VIEW OF NEW TRENDS



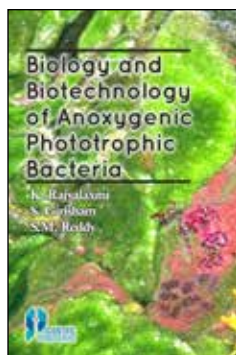
Biological Sciences dealing in animals and their interactions with each other as well as with their environment is possibly the most significant of all the sciences as it forms basis of resource education. Tremendous transformations in the knowledge, tools, techniques and applications of biological sciences have led to remarkable advancement in terms of research and education dissemination. The adaptability of animal or living beings depend on successive interaction with surrounding environment where physiology and environment stand with its uniqueness. The physiology of individual animal or group of animal represents its capability of survival whereas the surrounding environment indirectly interfere in functioning of systems. This pursuit of comprehending the diversity and complexity in the functioning of ecosystems and organisms residing therein is never ending. The present book "Biological Sciences: A Kaleidoscopic View of New Trends" is a paradigm in the trajectory of exploration and erudition of nature. The book covers a vast area of research in the arena of biological sciences such as Wildlife, Ethnobotany, Ethnopharmacology, Reproductive Biology, Endocrinology, Animal Physiology, Environmental Impact Assessment, and some recent issue of environment respectively. We hope that research articles anthologized in the book will be valuable for the students of science, research scholars and academicians having an interest in biological sciences.

**Authors:** *H. R. Tyagi, Ram Prakash Saran & Heera Ram*

ISBN: 9789392590696 | Year: 2022 | Pages: 214 | Price (₹): 1,925.00

**New Release**

## BIOLOGY AND BIOTECHNOLOGY OF ANOXYGENIC PHOTOTROPHIC BACTERIA



The present book deals with an unique group bacteria which occurs specialized ecological niches under harsh conditions. As a result they adapted special type of metabolism. The ecological adaptation and played by these microorganisms in the service of mankind are discussed in a precise way. It integrates knowledge of basic and applied aspects. It forms a good reading material for teaches and researchers.

**Contents:** 1. Introduction, 2. Isolation and Cultivation, 3. Taxonomy, 4. Photosynthesis, 5. Carbon metabolism, 6 . Sulfur Metabolism, 7. Ecology of Anoxygenic Phototrophic Bacteria, 8. Hydrogen - Non-Conventional energy, 9. Single cell protein, 10. Bioremediation of waste water, 11. Biotechnological Applications

**Authors:** *K. Rajyalaxmi, S. Girisham & S.M. Reddy*

ISBN: 9789388043731 | Year: 2022 | Pages: 640 | Price (₹): 1,950.00

**New Release**

## औषधीय पौधे: कृषि एवं उपयोग



देश के कृषि महाविद्यालयों, उद्यानिकी व वानिकी महाविद्यालयों में औषधीय व सगंध फसलों के कृषिकरण से संबंधित कोर्स संचालित किये गये हैं, परन्तु अभी तक हिन्दी में व अंग्रेजी में भी ऐसी कोई एक प्रस्तुत उपलब्ध नहीं है जो इन जड़ी बूटियों के कृषिकरण की अद्यतन तकनीक की विस्तृत जानकारी उपलब्ध करा सके। इसके फलस्वरूप छात्रों का विभिन्न पुस्तकों, शोध पत्रिकाओं, लेखों आदि से पठन सामग्री एकत्रित करना पड़ती है जिसमें अनावश्यक समय व धन का व्यय होता है। प्रत्येक विद्यालयों के पुस्तकालय भी ऐसे सक्षम नहीं हैं जो संपूर्ण पठन सामग्री उपलब्ध करा सकें। इस पुस्तक में विद्यालयों द्वारा प्रस्तावित सभी औषधीय प्रजातियों के कृषिकरण की तकनीक का वर्णन अद्यतन वैज्ञानिक अनुसंधानों के आधार पर किया गया है। प्रस्तुत पुस्तक में 50 औषधीय, 17 मसाला व 20 सगंधीय फसलों जिनका औषधीय महत्व है की उन्नत कृषि तकनीक, प्रसंस्करण, उपयोग, रसायनिक संगठन, कृषिकरण में व्यय व आय का विस्तृत वर्णन किया गया है। इसके अतिरिक्त जंगलों व आसपास प्राकृतिक रूप में पाये जाने वाले 185 औषधीय गुण वाले शाकीय, क्षुप, लता व वृक्षों की प्रवर्धन व रोपने की विधियां, प्रोच्य अंग व उपयोग का संक्षिप्त वर्णन तालिका में किया गया है।

**लेखक: ज्वाला प्रसाद तिवारी**

ISBN: 9789389412215 | Year: 2021 | Pages: 396 | Price (₹): 2,595.00

## ESSENTIALS OF VIROLOGY

(2ND ED.)

### ESSENTIALS OF VIROLOGY

2nd Ed.

**S. Ram Reddy &  
S.M. Reddy**

This book provides the entire basic information required for the beginner of virology. All types of viruses including subviral agents, viroids and prions are dealt in an orderly manner with profuse illustrations. A comprehensive and update account of principles of virology, taxonomy, replication strategies, diagnostic techniques and management of viral diseases is the major attraction of this book. The information provided will be useful to undergraduate and post-graduate students of all disciplines of biology including agriculture, veterinary, pharmacy and medicine. It also fulfils the long-felt needs of researchers and teachers of all biological sciences. An important book must for all college and university libraries.

**Contents:** **Part I** : Principles of Virology, Chapter 1. History of virology, Chapter 2. Origin and evolution of viruses, Chapter 3. Morphology and chemical composition, Chapter 4. Isolation and cultivation, Chapter 5. Purification and characterization, Chapter 6. Detection and assay, Chapter 7. Taxonomy, **Part II** : Bacteriophages, Chapter 8. Distribution and classification, Chapter 9. Replication strategies, Chapter 10. Phage-host interactions, Chapter 11. Importance and applications of phages, **Part III** : Plant Viruses, Chapter 12. Nomenclature and classification, Chapter 13. Replication strategies, etc.

**Authors: S. Ram Reddy & S.M. Reddy**

ISBN: 9788172334734 | Year: 2022 | Pages: 336

**Best Selling**

## GENE EDITING: PRINCIPLES AND APPLICATIONS



Gene or genome editing is barely two decades old, but its impact is palpable in every discipline of biological sciences, especially basic and applied biomedical researches. It enables a planned and precise alterations in genome sequences as well as controlled activation or repression of selected gene functions. Base editors based on CRISPR-Cas system were created a couple of years ago, and they permit permanent conversion of the single targeted base pair into another base pair. The potential of this powerful discipline are testified by its contributions in the form of gene therapies of otherwise intractable human diseases and improved crop varieties with novel traits.

The present book is designed to provide the basic principles of gene editing as well describe its realized and potential applications. The book targets biologists in general and geneticists, biomedical researchers and plant breeders in particular. It is hoped that it will be useful to post-graduate students, research scholars and research workers concerned with analyses of biological phenomena and development of strains with novel and useful traits

**Authors: B.D. Singh & N.S. Shekhawat**

ISBN: 9789389832105 | Year: 2021 | Pages: 458 | Price (₹): 2,650.00

**New Release**

## INSTRUMENTATION IN BIOSCIENCES



In recent times, the curriculum of the courses includes the instrumentation needed for understanding the different aspects of the discipline and has become an essential part. It is envisaged that students should the details and principles of the instrumentation used for biological investigations which will enable the students to be confident about the authenticity of his observations. This aspect will also promotes the students to plan different experiments which can give more evidences for any observed phenomenon. Further, the practicals are given more emphasis to train the students in any particular field. This also enables student to study independently and more confidently. So all Indian Universities are including instrumentation in the syllabi. As such very few books are available which can give information in totality to students all disciplines of biology.

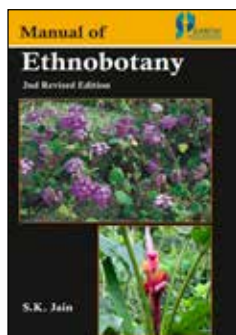
**Contents:** Instrumentation laboratory, Units of measurement, Microscopy, Balance, Techniques in Microbiology, Cell and Tissue Culture, BIOSENSORS, Electrophoresis, Centrifugation, pH and its measurement, Techniques in radiation biology, Spectroscopy, Chromatography, Manometer and Polarimeter, Protein sequencing, Polymerase, Genetic Engineering and Bioinformatics

**Authors: S.M. Reddy & Ramchander Merugu**

ISBN: 9789389412543 | Year: 2021 | Pages: 334 | Price (₹): 2,950.00

**New Release**



**MANUAL OF ETHNOBOTANY****(2ND REVISED ED.)**

The present book comprises of two sections, A and B. Section A has the text of the lectures during the Training Course in Ethnobotany, and the section B has some of the material and exercise handled by the trainees during the Workshop and in practical classes. The sequence of the lectures has been so arranged as to gradually and step by step introduce the scope, methodology, and applications of the subject along with the subjects of preparation of scientific papers and research projects. This book will not only popularize the important subject of Ethnobotany but will also provide basic instructions for person freshly interested or inducted into this discipline.

**Author: S.K. Jain**

ISBN: 9788172336523 | Year: 2021 | Pages: 242 | Price (₹): 1,250.00

**Best Selling****MICROBIAL PHYSIOLOGY****(2ND ED.)**

The present second edition of Microbial Physiology is an improved and enlarged version of the first edition. It provides a detailed account of all aspects of physiology of microorganisms in an ordered sequence with profuse illustrations. Presentation of all chapters is based on the principles of bioenergetics which forms the life line for all metabolic functions. In this edition, new chapters on enzymes, metabolism of amino acids, lipids and nucleic acids; and microbial toxins, antimicrobial agents and signal transduction system are included. Thus, it provides a strong foundation and general framework for understanding the subject. This book not only serves as the text book for undergraduate, post-graduate students, but also as a reference book to teachers, researchers and all others interested in the metabolism of the microorganisms.

**Contents:** Cell Structure and Function, Cell Wall and its Biosynthesis, Cell Metabolism — An Overview, Principles of Bioenergetics, Enzymes, Coenzymes and Cofactors, Microbial Nutrition, Microbial Growth, Homeostasis and Survival, Phototrophy, Chemolithoautotrophy, Chemoheterotrophy - Acetogens, Methanogens, Methylophils, Chemoheterotrophy - Hydrocarbon utilizers, Assimilation of Complex Carbohydrates and Proteins, Aerobic Respiration, Anaerobic Respiration, Fermentation, Nitrogen Metabolism – Biological Nitrogen Fixation, Amino Acid Metabolism, Nucleotide Metabolism, Lipid Metabolism, Secondary Metabolism, Microbial Toxins, Antimicrobials - Mode of Action and Resistance, Signal Transduction - Quorum Sensing and Endospore Formation.

**Authors: S. Ram Reddy & S.M. Reddy**

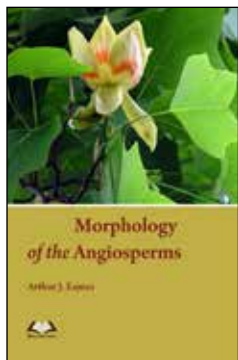
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## MORPHOLOGY OF THE ANGIOSPERMS



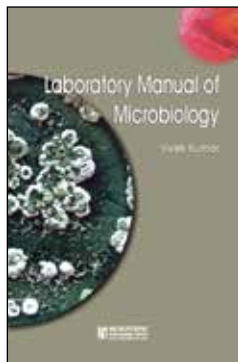
**Contents:** 1. The Plant Body – The Root; The Shoot; The Anatomy of the Plant Body; The Ontogeny of the Plant Body; Secondary Vascular Tissues and the Cambium Bibliography, 2. The Inflorescence – Classification, Reduced Inflorescence; Phylogeny of the Inflorescence; Bibliography 3. The Flower– Basic Structure; The Primitive Flower Reduction in the Flower; Bibliography, 4. The Androecium – Classification by Arrangement on the Receptacle; Reduction in the Androecium. Fusion in the Androecium in the androecium; The Androecium under Zygomorphy; Ontogeny of the Androecium; The Stamen – The Primitive Stamen; The Anther; The Filament; The Sporangia; Anthersac Wall and "Sporangium Wall"; Unusual Forms and Arrangements of Stamens; Anatomy of the Stamen; Ontogeny of the Stamen Morphological nature of the Stamen; Nectaries; Bibliography, 5. Pollen – Arrangement of pollen grains in the tetrad; Structure of the Exine; Pollen-grain Types; Pollen-grain Development; Sequence within the Sporangium; Palynology; Dehiscence of the Anther; Pollination; The Male Gametophyte – The Pollen Tube; The Tube Nucleus; Male Gametes; Terminology of the male gametophyte; Bibliography, 6. The Gynoecium, The Carpel – Form of the carpel; Closure of the carpel; The Complex Carpel; Modification of the Follicular Carpel; .....The Solid Carpel

**Author: A.J. Eames**

ISBN: 9789383692248 | Year: 2021 | Pages: 518 | Price (₹): 2,195.00

**Best Selling**

## LABORATORY MANUAL OF MICROBIOLOGY

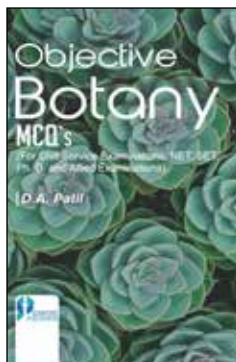


This laboratory manual of microbiology has been written to meet the needs of students taking microbiology as major or subsidiary subject. The intention is to provide the students with well organized, user-friendly tool to better enable them to understand laboratory aspects of microbiology as well as to hopefully make learning laboratory material and preparing for independent player of a given experiment. Each exercise provides step-by-step procedure to complete the assignment successfully and easily. The lab exercises are designed to give the student hands-on laboratory experience to better reinforce certain topics discussed in exercise. The glossary is included covering terms as well as basic, discipline-specific terminology from microbiology that will be helpful to its readers. The main contents of the manual are: Microbiology laboratory practices and safety rules, Basic laboratory techniques, Microscopy, Staining and motility techniques, Environmental microbiology, Microbiological culture techniques, Growth of lactose fermenting and non fermenting microbes, Medical microbiology, Environmental effect on bacterial growth, Application of microbiology, Microbiology of milk and Appendices.

**Author: Vivek Kumar**

ISBN: 9789386102539 | Year: 2019 | Pages: 214 | Price (₹): 275.00

## OBJECTIVE BOTANY: MCQ'S (FOR CIVIL SERVICE EXAMINATIONS, NET, SET, Ph.D. AND ALLIED EXAMINATIONS)



This book provides lucidly multiple choice questions (MCQs) covering, principles, modern trends, definitions, concepts and history of botany. Some important features of the book are:

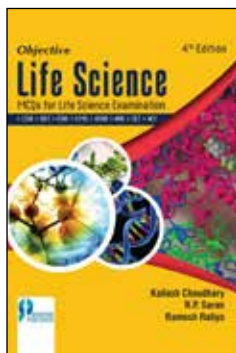
- Written only after well experience of teaching in class, laboratory and observations in nature.
- More than 7000 MCQs prepared carefully.
- Covers all groups of plants kingdom inclusive of microbes, all botanical disciplines and utility of plants of immense use to students appearing at academic examinations, entrance examinations or tests of various universities, private institutions or Government Departments.
- Provides questions and respective answers with admirable clarity
- Useful to students in tertiary education and post-graduate classes of Botany, Agricultural, Horticulture, Forestry and Medicine.

**Author: D.A. Patil**

ISBN: 9789389832761 | Year: 2021 | Pages: 560 | Price (₹): 595.00

**Competitive Exam**

## OBJECTIVE LIFE SCIENCE: MCQS FOR LIFE SCIENCE EXAMINATION (4TH ED.)



The idea of the book entitled “Objective Life Science: MCQs for Life Science Examination” was born because of the lack of any comprehensive book covering all the aspects of various entry level life science competitive examinations in particular conducted by CSIR, DBT, ICAR, ICMR, ASRB, IARI, State and National Eligibility Test, but not limited to.

This book, covers all the subjects of life science under 13 section namely, 1. Molecules and their interaction relevant to biology; 2. Cellular organization; 3. Fundamental processes; 4. Cell communication and cell signaling; 5. Developmental biology; 6. System physiology – Plant; 7. System physiology – Animal; 8. Inheritance biology; 9. Diversity of life forms; 10. Ecological principles; 11. Evolution and behavior; 12. Applied biology and 13. Methods in biology. Each Section has been further divided into two parts with 200 short tricky questions and 100 applied conceptual questions.

The ultimate purpose of this book is to equip the reader with brainstorming challenges and solution for life science and applied aspect examinations. It contains predigested information on all the academic subject of life science for good understanding, assimilation, self-evaluation, and reproducibility.

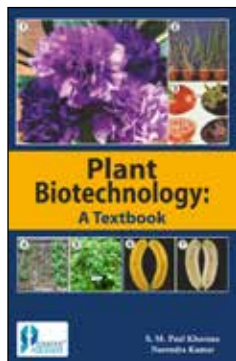
**Authors: Kailash Choudhary, R.P. Saran & Ramesh Raliya**

ISBN: 9789389832860 | Year: 2021 | Pages: 601 | Price (₹): 590.00

**Competitive Exam**

**(CSIR, DBT, ICAR,  
ICMR, ASRB, IARI,  
SET & NET)**

## PLANT BIOTECHNOLOGY: A TEXTBOOK



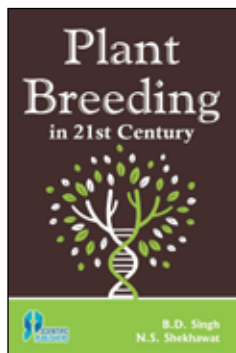
This Textbook deals with Biotechnological tools for plants. It is an attempt to provide the latest information in a comprehensible manner for the UG/PG students of Biotechnology, Botany, and molecular- biology/ microbiology. The book is presented as a Text Book to deal with the most recent and relevant scientific advancements in the field of Plant Biotechnology- divided into four units and thirty chapters, because of the needs of the syllabi for students of Biotechnology/Botany, dealing with Introduction to Plant Biotechnology, Plant Tissue Culture, Transgenic Plants or Genetic Modification Technology, and Industrial and Agricultural Applications as well as Annexures I and II covering practical ELISA and PCR. The chapters are written impeccably for providing up-to-date knowledge of the subject to the students. The text is presented in a manner that enhances the subject's readability and also makes it interesting. Different issues and levels of difficulty in the subject have been dealt very carefully for the target audience in mind i.e. as an effective teaching tool by compiling it in a systematic way that can be learned efficiently, including many aids like Photographs, Figures, Tables, etc to make the subject interesting and learning to be quite easy and enjoyable.

**Authors: S.M. Paul Khurana & Narendra Kumar**

ISBN: 9789390749157 | Year: 2023 | Pages: 373 | Price (₹): 1,995.00

**New Release**

## PLANT BREEDING IN 21ST CENTURY



The discipline of plant breeding has undergone transformation due to the assimilation of the rapid developments in molecular biology. The existing books on plant breeding deal mainly with the classical approaches, while specialized books on molecular approaches usually lack discussion of the classical methods. The book Plant Breeding for 21st Century attempts to present the complete picture of plant breeding ranging from the classical to the molecular approaches applied to crop improvement. The book is divided into four sections: Classical Plant Breeding, Transgenic technology, Molecular Markers, and Miscellaneous. The first section deals with the classical plant breeding and is divided into eight chapters. The second section has four chapters and describes transgenic technology. The third section discusses various aspects of molecular markers and is spread over three chapters. The final section has a single chapter dealing with variety release, seed multiplication and intellectual property rights. This book is designed primarily for graduate students, viz., B.Sc. agriculture and B.Sc. science students with botany as one of the subjects, who would get their first exposure to plant breeding.

**Authors: B.D. Singh & N.S. Shekhawat**

ISBN: 9789389061260 | Year: 2022 | Pages: 544 | Price (₹): 3,250.00

**Best Selling**

**PLANT TISSUE CULTURE: THEORY AND PRACTICALS****(2ND ED.)**

Plant Tissue Culture, Second Edition is accompanied with new exercises demonstrating new arrays along with information on development of a customized protocol for protoplast isolation, suspension, haploid cultures, secondary metabolite production, and cryopreservation techniques. All experimental systems are written clear and easy-to-understand manner with the text being well-documented along with detailed drawings containing the plant tissue culture requirements for each particular application. Besides addressing recent advancements on wide variety of topics of Plant Tissue Culture, it gives the practical and technical knowledge required to train the next generation of plant scientists regardless of their ultimate specialization. It includes the complements of both theory and experiments. Plant Scientists, teachers and students will benefit greatly from this clearly presented tissue culture techniques that guides reader from lab setup to supplies, stock solution and media preparation, measurements, explant selection and disinfection, along with their experimental observations.

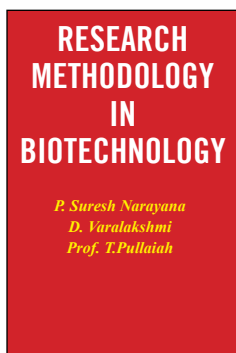
**Authors: T. Pullaiah, M.V. Subba Rao & E. Sreedevi**

ISBN: 9789386347343 | Year: 2022 | Pages: 232 | Price (₹): 950.00

**New Release**

**RESEARCH METHODOLOGY IN BIOTECHNOLOGY****Contents:**

Chapter 1: Research Methodology, Chapter 2: Microscopy, Chapter 3: Basic principles and applications of the biophysical and biochemical techniques, Chapter 4: Chromatography, Chapter 5: Electrophoresis, Chapter 6: Blotting techniques, Chapter 7: Centrifugation, Chapter 8: Spectrophotometry, Chapter 9: X-ray Diffraction and X-ray Crystallography of Biomolecules, Chapter 10: Isotope techniques, Chapter 11: Immunochemical Techniques, Chapter 12: Recombinant DNA (rDNA) Technology, Chapter 13: Biological Databases, Chapter 14: Biostatistics, Chapter 15: Bioinformatics

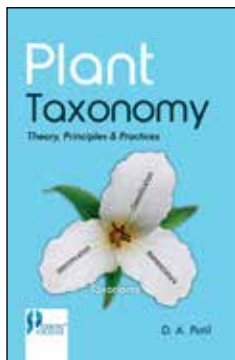


**P. Suresh Narayana  
D. Varalakshmi  
Prof. T.Pullaiah**

**Authors: P. Suresh Narayana, D. Varalakshmi & Prof. T.Pullaiah**

ISBN: 9789386347343 | Year: 2023 | Pages: 000 | Price (₹): In Press

## PLANT TAXONOMY: THEORY, PRINCIPLES & PRACTICES



Plant Taxonomy is a mother science. It is taught at graduate and post-graduate levels worldwide in colleges and universities. The science engulfs information from all sources, whether old and recent. It hence needs updating. This book is so designed with significant features: (i) explains aims, principles and approaches in taxonomy, (ii) describes lucidly the units of classification, (iii) reviews all round development of systems of plant classifications including recent ones chronologically and conceptually, (iv) synthetic nature is critically achieved imbibing recent information from different disciplines of morphology and technology, (v) brings round rules of nomenclature, gardens and herbaria in modern context, (vi) provides exhaustive bibliography supporting the information dilated in the text, (vii) also provides indexes for taxonomic terms, Latin plant names and features of taxonomic significance, (ix) reveals journey of researches in plant taxonomy, (x) useful for learners, teachers and research workers in biodiversity study and taxonomy.

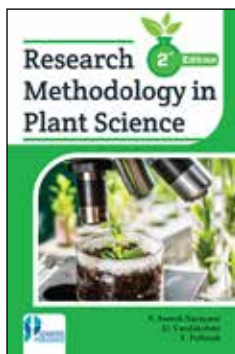
**Author: D.A. Patil**

ISBN: 9789390495412 | Year: 2021 | Pages: 341 | Price (₹): 2,795.00

**New Release**

## RESEARCH METHODOLOGY IN PLANT SCIENCE

**(2ND ED.)**



The book comprises of different chapters associated with methodology in Plant Science (Botany), describing in a simple and comprehensive way. The importance of creativity and motivation in research, the planning and proposal of research project, the description of different scientific techniques involved in research are described in an elaborate way. It also includes the sources/collection of scientific information, method of scientific report/paper/thesis writing etc. The book is also a source of different aspects of research methodology tailored to the needs of postgraduate students/research scholars for easy understanding. The book is also profusely illustrated. Compared to the first edition, the entire text has been thoroughly revised and updated in addition to the inclusion of four new chapters (Recent Advances in Electrophoresis, Chromatography – Latest and Advanced Techniques, Polymerase Chain Reaction and Photon Counting and Photo-Multiplier Tubes). We hope this edition will be more useful to the readers and will continue to serve the purpose more effectively.



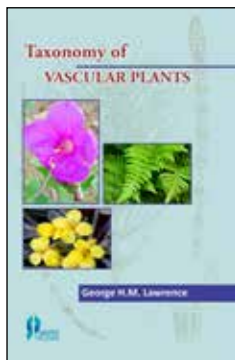
**Authors: P.S. Narayana, D. Varalakshmi & T. Pullaiah**

ISBN: 9789389832266 | Year: 2021 | Pages: 458 | Price (₹): 2,250.00

**Best Selling**



## TAXONOMY OF VASCULAR PLANTS



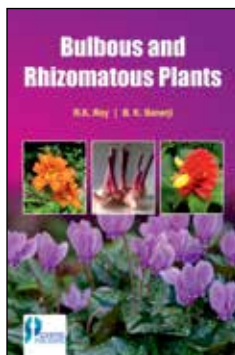
This book has been prepared as a text to meet these needs as required by undergraduate and post graduate students of systematic botany. Its level of presentation is sufficiently elementary not to presuppose formal training in all of the allied botanical sciences, yet it does open channels to further study of them by those more advanced students who may have had the benefit of a considerable botanical background. This book represents several marked departures from existing works. The subject Matter is divided formally into two parts, Part One presents the more academic and theoretical considerations of taxonomy, supplemented by explanatory chapters of the practical fundamentals found to be essential to a minimum working knowledge of the science. Part Two is composed of a systematic enumeration of the 264 families of vascular plants.

**Author: George H.M. Lawrence**

ISBN: 9788172337261 | Year: 2022 | Pages: 823 | Price (₹): 2,450.00

**Best Selling**

## BULBOUS AND RHIZOMATOUS PLANTS



The book entitled "Bulbous & Rhizomatous Plants" is a comprehensive book on Bulbous and Rhizomatous Plants. This group of plants includes an amazing collection of plants which are known for their diversity, growth habit, foliage and flower. They are extensively used for various gardening purpose as bedding and pot plants. Some of them have high commercial value as cut-flowers besides ornamental importance. This volume includes 14 leading Bulbous and Rhizomatous Plants in various chapters. Scientific and technical information have been provided with under various headings and sub-headings. Latest research updates of each crop have been provided with appropriate illustrations. Information on genus, species, varieties, agro-technology, processing, packaging have been included. The contributors are from various universities, research institutions and are well known in their specific field and having expertise on the crops.



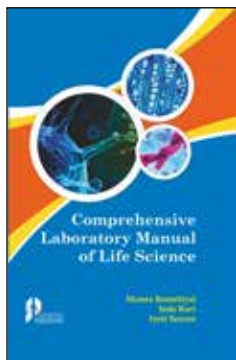
Scientific information on these crops in the form of a book has not been published in the recent past. Therefore, the book will serve as a handbook on Bulbous and Rhizomatous plants and will be useful for the students of M.Sc. Agriculture / Horticulture / Botany; ARS candidates; Research scholars / Ph.D. students; Asst. Prof / Professors of different colleges / universities in India. Moreover, amateur and professional gardeners will also be benefitted.

**Authors: R.K. Roy & B.K. Banerji**

ISBN: 9789390495061 | Year: 2022 | Pages: 232 | Price (₹): 1,995.00

**New Release**

## COMPREHENSIVE LABORATORY MANUAL OF LIFE SCIENCE



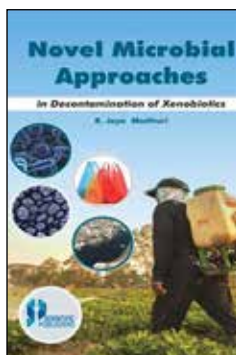
The present book *Comprehensive Laboratory Manual of Life Science*, deals with practical trends in modern biological sciences. It furnishes protocols on recent advances in biotechnological methods and aims to cover three most important aspects of this interdisciplinary stream; such as Microbiology, Biochemistry and Molecular biology. The book contains four sections: 1. Introduction: emphasizes on good laboratory practices and etiquettes for beginners; the do's and don'ts of working in a laboratory, concepts and terminology, etc. 2. Instruments: Principle and Precautions: explores commonly used equipments employed in different experiments. 3. Experiments: is further divided into three parts: Microbiology with more than 70 experiments, Biochemistry with 62 and Molecular Biology having around 32 detailed protocols, accorded to make the readers proficient in the paramount disciplines of Bio Sciences and Biotechnology. 4. Appendix: at the end, a rather comprehensive section that concludes the book. This book is designed to meet the practical requirements of undergraduate and post graduate students of Life Science, Biotechnology, Microbiology, Biochemistry and Biochemical Engineering by providing worked out solution to the most commonly practiced experiments prescribed by majority of Indian Universities.

**Authors: Jyoti Saxena, Mamta Baunthiyal & Indu Ravi**

ISBN: 9789387893931 | Year: 2020 | Pages: 458 | Price (₹): 550.00

**Best Selling**

## NOVEL MICROBIAL APPROACHES IN DECONTAMINATION OF XENOBIOTICS



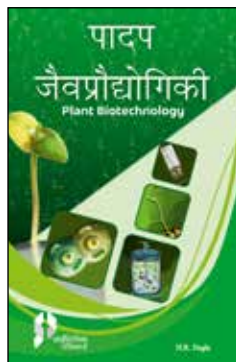
The book entitled "*Novel Microbial Approaches in Decontamination of Xenobiotics*" is dedicated to Prof. V. Rangaswamy, my Ph.D guide. This is a research oriented book in the field of microbial bioremediation with special reference to agrochemicals, textile dyes, polythenes, plastics and polymers. The content in the book mainly focuses on role of different microorganisms, both marine and soil in decontamination of organo pollutants. It can also be used as reference book for students pursuing M.Sc Degree in Environmental Microbiology. The book covers various strategies adopted by microflora in clean up of polluted environment. It serves as a practical basis for both UG and PG students. It describes the importance of bacteria, fungi, actinomycetes etc. in treatment of polluted ecosystems. The book emphasises on various analytical techniques used in evaluation of biodegradation potential of the soil and aquatic microbes in control of environmental hazards.

**Author: R. Jaya Madhuri**

ISBN: 9789390749485 | Year: 2021 | Pages: 150 | Price (₹): 995.00

**New Release**

## पादप जैवप्रौद्योगिकी (PLANT BIOTECHNOLOGY)



कॉलेज व विश्वविद्यालय स्तर पर विज्ञान विषय में उच्च स्तर की पुस्तकें साधारणतया अंग्रेजी माध्यम में ही उपलब्ध होती हैं। स्कूल स्तर तक हिन्दी माध्यम से अध्ययन किए हुए विद्यार्थियों के लिए कॉलेज व विश्वविद्यालय स्तर पर विज्ञान विषयों का अंग्रेजी भाषा में अध्ययन व अभिव्यक्ति एक चुनौती होती है। ऐसी स्थिति में हिन्दी माध्यम के विद्यार्थियों को विज्ञान विषय के आधारभूत तकनीकी शब्दों व संकल्पनाओं की सुस्पष्ट समझ विकसित नहीं हो पाती है। फलस्वरूप हिन्दी माध्यम के विद्यार्थियों में विज्ञान विषयों के प्रति अरुचि पैदा होने लगती है। प्रस्तुत पुस्तक में “पादप जैवप्रौद्योगिकी” जैसे तकनीकी विषय को सरलतम हिन्दी भाषा में रंगीन चित्रण द्वारा अभिव्यक्त किया गया है। पुस्तक जैवप्रौद्योगिकी विकास क्रम से प्रारम्भ होती है व पादप उत्तक संवर्धन: विकास का इतिहास, पादप उत्तक संवर्धन: उपयोगिताएँ, उत्तक संवर्धन के लिए आवश्यक सामग्री, उपकरण व विधियाँ, अंग एवं कायिक भ्रूणजनन, सूक्ष्मप्रवर्धन, जीवद्रव्यक पृथक्करण व संवर्धन, उत्तक संवर्धन द्वारा द्वितीयक उपापचयी निर्माण, अगुणित संवर्धन, जननद्रव्य संरक्षण, आनुवांशिक अभियांत्रिकी एवं जैवप्रौद्योगिकी, जैविक नाइट्रोजन स्थिरीकरण की आणविक जैविकी, नैनो जैवप्रौद्योगिकी, डीएनए फिंगरप्रिंटिंग तक जारी रहती है। इस पुस्तक के अध्ययन से विद्यार्थियों में पादप जैवप्रौद्योगिकी विषय की आधारभूत समझ व रुचि बढ़ेगी व विद्यार्थी पादप जैवप्रौद्योगिकी में उच्च शिक्षा व अनुसंधान के लिए प्रेरित होंगे।

लेखक: एच. आर. डागला

ISBN: 9789390749867 | Year: 2022 | Pages: 104 | Price (₹): 175.00

**New Release**

## INCIDENCE AND BIOLOGICAL ACTIVITIES OF TREMORGENIC MYCOTOXINS



The present book is the outcome of our studies on mycotoxins during last 20 years on the incidence of mycotoxins, biological activities and their management. However, little information is available on this group of mycotoxins. Therefore, an attempt is made to document the chemical diversity and biological activities under diverse environmental conditions. Exposed storage of fodders and inevitable contamination of feeds with mycotoxins many result in complex and vulnerable situation for mycotoxin elaboration.

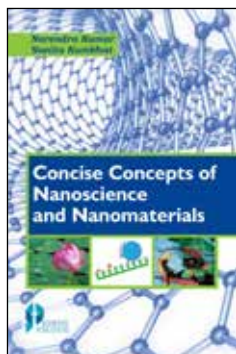
Management of mycotoxins problem in feeds and fodders is not only problematic but also intricate in view of emerging nature of tremorgenic mycotoxins, their incidence and biological activities are yet to be established. More indepth studies are needed which may unravel many facts facilitating the effective management of these mycotoxins and protect the health of pet animals and livestock. Therefore, an attempt has been made to present the understanding of this group of mycotoxins in the light of our investigations. However, much more in depth studies are needed to unravel many facets of their biological activities.

**Authors: S. Kiran, M. Surekha and S. M. Reddy**

ISBN: 9789394645103 | Year: 2023 | Pages: 251

**In Press**

## CONCISE CONCEPTS OF NANOSCIENCE AND NANOMATERIALS



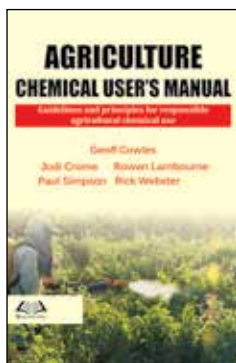
This book provides a basic understanding of the emerging multidisciplinary area of nanoscience and nanomaterials being offered as core subjects both in basic sciences and engineering disciplines at graduate and postgraduate levels. The subject matter of the book is designed to generate a clear understanding on various aspects of nanoscience from fundamentals to technological applications along with the exhaustive account of nanomaterials classified in a very appropriate manner. Book includes a balanced view on the physics to understand the origin of unique properties of nanomaterials and well tested synthetic techniques including simple chemical and physical routes illustrated with examples. Special emphasis is given on the characterization techniques for nanomaterials in terms of spectroscopy, scattering phenomena and microscopy including their principle, methodology and data interpretation illustrated with examples. In order to drive on the significance of nanoscience and nanomaterials; impact of nanotechnology in diverse area such as health care, environment protection, agriculture, energy, security has been dealt separately. The historical perspective as well existence of nanomaterials in nature both in living and nonliving species has also been discussed in the beginning.

**Authors: N. Kumar & Sunita Kumbhat**

ISBN: 9789386652225 | Year: 2018 | Pages: 342 | Price (₹): 2,350.00

## AGRICULTURE CHEMICAL USERS MANUAL

(Guidelines and principles for responsible agricultural chemical use)



The Agricultural Chemical User's Manual plays an important role in the efficient and economic production of wholesome food and fibrous products, reducing soil erosion and maintaining human health and lifestyles for an ever increasing world population. Agricultural chemicals are also known as pesticides and include herbicides, insecticides and fungicides. Chemical use is the key to ensuring that agricultural chemicals are beneficial to the community as a whole, and not just beneficial to users only. The community must have confidence that human health and the environment are protected when agricultural chemicals are used. The manual is a tool for anyone involved in pest or weed control activities by providing users with sound scientific advice on a range of subjects including basic pest and weed identification, effective pest and weed control strategies, appropriate application technology as well as ways to reduce the impacts of agricultural chemical spray drift.

**Authors: Geoff Cowles, Jodi Crome, Paul Simpson, Rowan Lambourne & Rick Webster**

ISBN: 9789383692224 | Year: 2016 | Pages: 659 | Price (₹): 1,950.00

## हरित रसायन (GREEN CHEMISTRY)



यह सर्वविदित है कि रासायनिक उद्योगों के द्वारा हमारे वातावरण में सर्वाधिक प्रदूषण फैल रहा है। इनके द्वारा उत्पादित अपशिष्ट पदार्थों के निस्तारण में बहुत सा समय, प्रयास एवं धन का व्यय होता है। अतः हरित रसायन में इस बात के प्रयास किए जाते हैं कि निर्माण की ऐसी विधियों को विकसित किया जाए जिनमें अपशिष्ट पदार्थ अत्यल्प मात्र में निर्मित हो, पर्यावरण में इनका न्यूनतम प्रभाव हो तथा इनका निस्तारण भी सुविधाजनक हो।

संभवतः हरित रसायन पर हिन्दी में प्रकाशित देश की प्रथम कृति में हरित रसायन से सम्बन्धित अनेकानेक विषयों पर अत्यन्त ही महत्वपूर्ण जानकारी, यथा - हरित रसायन की प्रासंगिकता, मूल सिद्धान्त, महत्वपूर्ण हरित तकनीकें, पर्यावरण सौम्यता, दैनिक जीवन में हरित रसायन, हरित भवन, हरित रसायनों के लाभ, हरित रसायनों का भविष्य एवं देश में हो रहे इस विषयक जनोपयोगी अनुसंधान विषयक जानकारी अत्यन्त ही सरल, बोधागम्य भाषा में यथोचित चित्रों सहित सुलभ करवाने का प्रयास किया गया है। आशा है प्रबुद्ध पाठकगण लाभान्वित होंगे।

लेखक: डी.डी. ओझा, ए. डांडिया एवं जी. बी. भरद

ISBN: 9789392590672 | Year: 2017 | Pages: 106 | Price (₹): 150.00

## उपयोगी रसायन और जीवन



रसायन विज्ञान ने मानव को असंख्य चीजें सुलभ करवाई है जिसका पूरा लेखा-जोखा करना असंभव है। इस विज्ञान के द्वारा मानव ने अपनी भौतिक प्रगति के क्षेत्र में विलक्षण आयाम स्थापित किए हैं। उसने पेड़-पौधों, शारीरिक अंगों के विकल्प दूढ़ निकाले हैं, जीवन रक्षक औषधियों का निर्माण किया है तथा आज जितने सारे उद्योग हैं, वे सभी रसायन विज्ञान के ढांचे पर ही आधारित है। अद्यतन विज्ञान, यथा - जैव प्रौद्योगिकी, नैनो प्रौद्योगिकी, अंतरिक्ष विज्ञान तथा रक्षा प्रौद्योगिकी में भी रसायनों की भूमिका कम नहीं है। उपयोगी रसायन और जीवन पुस्तक में रसायन विज्ञान से संबंधित अनेकानेक विषयों पर महत्वपूर्ण तकनीकी जानकारी, यथा-अतीत में रसायन विज्ञान, खाद्य, मनोरंजन, औषधि, सौन्दर्य प्रसाधान, वस्त्र, खनिज, आवास, औद्योगिक क्षेत्र, धातु निर्माण, रोचक रसायनों भरा संसार, हरित रसायन तथा सी एस एम सी आर आई, भावनगर द्वारा रसायन विज्ञान के क्षेत्र में विकसित जनोपयोगी प्रौद्योगिकियों विषयक दुर्लभ जानकारी 115 चित्रों सहित सरल एवं बोधागम्य भाषा में प्रदान की गई है। आशा है प्रबु पाठकगण इससे अवश्य लाभान्वित होंगे।

लेखक: डी. डी. ओझा एवं दीना भट्ट

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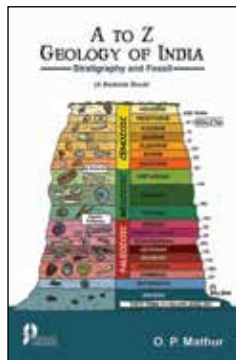
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## A TO Z GEOLOGY OF INDIA (STRATIGRAPHY AND FOSSILS) (A BEDSIDE BOOK)



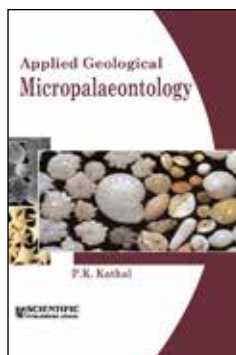
The book is in the form of a ready reference. The subject matter of stratigraphy is full of names of formations, groups, etc. At times when we need to know about a certain formation for which we do not know the exact stratigraphic position, then we have to search the entire book, page by page, which becomes quite irritating and time consuming. To overcome this problem, the idea of arranging the different formations in an alphabetic order occurred to the author. During this process it was seen that many small formations, which are otherwise important, do not get their due representation, because they lie in company or association with much larger formations. Otherwise also stratigraphy is nothing but an orderly and chronological arrangement of different formations. In other words, we can say that stratigraphy is a language by itself, where different formations are its words. Same is the case with large number of fossils occurring in different formations. In the usual literature on the subject, it is practically impossible to find in what formation or formations a particular fossil occurs and to which fossil group it belongs. Alphabetical arrangement of fossils as shown in the list of fossils will help students and scholars to pursue their task in an easier and quicker way. To arrange such a large number of fossils in an alphabetical order and to find their fossil groups was really a tough job. Still the author does not claim that all the formations and fossils occurring in the Indian stratigraphy are included in this book, and it cannot be the last word on the subject. This is more true in case of fossils, where unlimited literature is available.

**Author: O.P. Mathur**

ISBN: 9789386652119 | Year: 2020 | Pages: 207 | Price (₹): 1,350.00

**Best Selling**

## APPLIED GEOLOGICAL MICROPALAEONTOLOGY



This is a text book of Applied Micropalaeontology with number of aspects of the microfossils to make their taxonomy interpretative. Since they were once-living microorganisms, it also forms a part of the biological subjects. Besides, it also covers important developments that took place within the last seven decades in the study of foraminifera, ostracoda, calcareous nannoplanktons, diatoms and conodonts by transforming their ecological-data in the rich-text enabling students to understand the trend of their applications in the recent exploration-techniques for oil and other minerals.

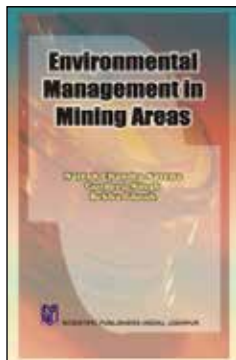


**Author : P.K. Kathal**

ISBN: 9788172337537 | Year: 2012 | Pages: 228 | Price (₹): 1,950.00



## ENVIRONMENTAL MANAGEMENT IN MINING AREAS

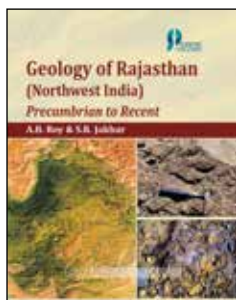


This book, which is a compilation of first hand inputs from the environmental experts, is being put forward to fulfil the much needed requirement of the mineral industry. The book in its seventeen chapters outlines roles of executives in environmental management environmental administration; environmental impacts; societal environment, ecological environment; land environment including subsidence management, and land use planning; environmental implications of mine fires; water environment including water management; air pollution management; noise pollution management; environmental impacts of blasting; environmental impact assessment; application of remote sensing; preparation of environmental management plans, and environmental economics. for the benefit of the mineral industry. It is anticipated that the book will be useful to the executives of the mineral industry; the officials of the regulatory agencies, the researchers and academicians, and the students in undergraduate and post graduate programmes. The book will also be a useful addition to the libraries.

**Authors:** *N.C. Saxena , Gurdeep Singh & Rekha Ghosh*

ISBN: 9788172332969 | Year: 2021 | Pages: 410 | Price (₹): 2,450.00

## GEOLOGY OF RAJASTHAN (NORTHWEST INDIA) PRECAMBRIAN TO RECENT

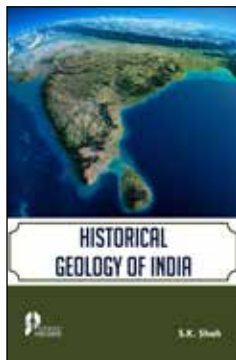


Rajasthan is amongst the very few regions in the world, which have well-preserved records of a continuous geological history from the Middle Archaean to the present day. This across-the-board volume is based on the critical analyses of the voluminous and the most recent database on the protracted geological history of the terrain. Considered as the paradise of Indian geology, the region is central to the understanding of geology of the Precambrian Indian Shield and Phanerozoic cover successions. The book is also amongst the most illustrative treatise on the geology of a region published in recent years. It contains 350 figures (including a large number of photographs) of which there are no fewer than 93 geological maps of the key regions. Besides, the book contains the most recently revised large-sized coloured geological map of the State of Rajasthan. The book will help the future earth scientists to identify potential horizons of future research work not only to enhance our knowledge but also to provide clues to finding new mineral deposits in this paradise for geologists.

**Authors:** *A.B. Roy & S.R. Jakhar*

ISBN: 9788172339722 | Year: 2002 | Pages: 421 | Price (₹): 3,550.00

## HISTORICAL GEOLOGY OF INDIA



Historical Geology of India is a text book for graduate and post-graduate students of geology, geophysics and other earth sciences for Indian Universities. It also caters to the universities of USA, UK, Australia, New Zealand and Canada as one or two credit courses on regional studies are included in the curriculum. Besides it can be useful to professional geologists and geophysicists working on various projects in India. The book has been specially designed to cover the course content of major Indian Universities and the approved syllabi of the University Grants Commission. This book has not been written in the classical style of what is where and when was it formed; instead there has been an attempt to base the entire history on the time control as available from latest data on high resolution stratigraphy through fossil content, radiometric dating and palaeomagnetic studies. There is a special focus on the tectonic history of the entire subcontinent through time from Precambrian times to present day.

**Author: S.K. Shah**

ISBN: 9789386652126 | Year: 2018 | Pages: 159 | Price (₹): 1,250.00

**Best Selling**

## REMOTE SENSING : PRINCIPLES AND APPLICATIONS (2ND ED.)



In India, like the other countries of the world, air-borne and space-borne remote sensing techniques is being used in the research, planning and development. This book deals with the basic principles of remote sensing such as definition and types of remote sensing, electromagnetic radiation and its interaction with matter, types of sensors and platforms, data products and visual and digital analysis and interpretation techniques. The applications of remote sensing in the appraisal and management of natural resources, temporal change detection in various terrain features and environmental problems.

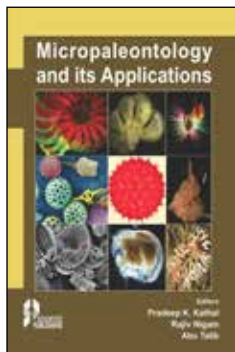


**Authors: A.N. Patel & Surendra Singh**

ISBN: 9788172335908 | Year: 2018 | Pages: 190 | Price (₹): 950.00

**New Release**

## MICROPALAEONTOLOGY AND ITS APPLICATIONS



The book is designed to cover the recent researches carried-out by the scholars from across the world. It covers aspects related to Foraminifera, in biostratigraphy and paleoecology, isotopic studies, applicability as bio-indicators in pollution studies, taxonomy of Indo-Pacific assemblages, studies of history of ocean bottom oxygenation and experimental studies; Radiolaria from Antarctic Ocean; Microbrites including Diatoms in studying threats and conservation issues in salt lakes of Western Australia; Ostracoda from freshwater, marginal marine ecosystems from Andaman and Nicobar islands; Coralline-algae from late Eocene rocks of Meghalaya; Zygnematalean algae from across the Permian-Triassic boundary; and Microstructures of egg-shells of vertebrates showing paleobiologic links across the continents. It will serve the postgraduate students choosing Geology as well as researchers in the field of Micropaleontology.

**Contents:** 1. Micropaleontology and Palaeoecology of the Kallankuruchchi Limestone Formation, Cauvery Basin, S. E. India, 2. Dynamics of Larger Benthic Foraminiferal Populations in the Upper Florida Keys Reef Tract, USA: Comparisons with other Coral Reef Bioindicators, 3. Microbrites and Salt Lakes of Western Australia– Salient Features, Threats and Conservation Issues, 4. 180 of Larger Benthic Foraminifera: Temperature Calibration for Shallow Marine Tropical-Subtropical Carbonates, 5. Integrated Benthic Foraminiferal and Ammonite Biostratigraphy of Middle to Late Jurassic Sediments of Keera Dome, Kachchh, Western India, 6. Bloom of Zygnematalean Algae found from the Gechang Sandstone, Spiti Valley in the Tethys Himalaya, India, 7. An Overview on the Comparative Morphology of the Recent Benthic Foraminifera from the East Coast of India and the part of the southern East Coast of Japan, Warm ..... 20. Potential Applicability of Benthic Foraminiferal Microhabitats in Deciphering Ocean.

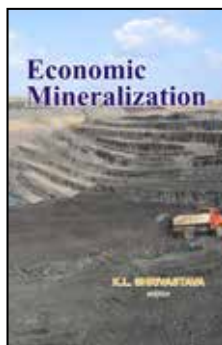
**Authors:** P.K. Kathal, Rajiv Nigam & Abu Talib

ISBN: 9789386652096 | Year: 2017 | Pages: 342 | Price (₹): 3800.00

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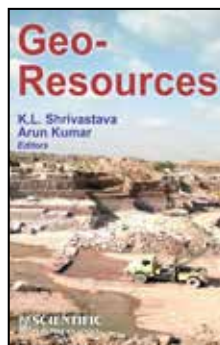
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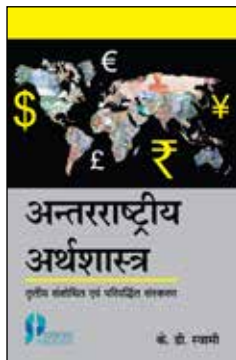
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**ANTRASTRIYA ARTHSHASTRA (INTERNATIONAL ECONOMICS)****(3RD ED.)**

अपने विषय के विशेषज्ञ प्रो. के.डी. स्वामी ने अन्तरराष्ट्रीय अर्थशास्त्र जैसे जटिल विषय को बड़ी ही सुगम व सुबोधा शैली में प्रस्तुत किया है। प्रस्तुत पुस्तक भारतवर्ष के विभिन्न विश्वविद्यालयों में एम.ए. व बी.ए. ऑनर्स कक्षाओं के लिए निर्धारित पाठ्यक्रम को ध्यान में रखते हुए लिखी गई है। पुस्तक में एम. फिल. व राष्ट्रीय शैक्षिक परीक्षा (NET) के प्रसंगों का भी समावेश है।

सामग्री को सरलतम स्तर से प्रारम्भ करके उच्चस्तर तक लाने का प्रयास पुस्तक की प्रमुख विशेषता है। उच्चस्तर की पत्रिकाओं में प्रकाशित विषय-विशेषज्ञों के लेखों पर आधारित विषय-सामग्री ने पुस्तक की गुणवत्ता को और बढ़ा दिया है।

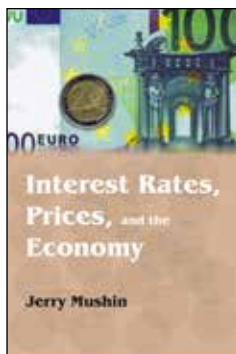
अन्तरराष्ट्रीय व्यापार के नये सिद्धान्त वास्तविक जगत में व्यापार की सर्वाधिक महत्वपूर्ण व्याख्या है, उदाहरणार्थ, विकसित राष्ट्रों के आपसी व्यापार में निर्मित माल के व्यापार को उद्योगान्तर्गत व्यापार (Intraindustry Trade) के मॉडल द्वारा ही स्पष्ट किया जा सकता है अतः यह खण्ड पुस्तक में जोड़ दिया गया है। इसी प्रकार विशिष्ट कारक मॉडल (Specific Factors Model) भी मानक अन्तरराष्ट्रीय सिद्धान्तों का हिस्सा बन चुका है। अतः इस मॉडल को विस्तारपूर्वक स्पष्ट किया गया है। व्यापार में गैर-प्रशुल्क अवरोधों (Non-tariff barriers to trade) के बढ़ते प्रचलन को मद्देनजर रखते हुए इस शीर्षक का पूरा अध्याय ही लिख दिया गया है। इसके अलावा आई.एम.ए. डब्ल्यू.टी.ओ. व भारत की व्यापार-नीतियों पर नवीनतम सामग्री पुस्तक में जोड़ी गई है।

कुल मिलाकर इस नवीन संस्करण में विद्यार्थियों व प्राध्यापकों के लिए विषय से सम्बन्धित, नवीनतम व प्रामाणिक पठनीय सामग्री प्रस्तुत की गई है।

**Author: K.D. Swami**

ISBN: 9789387307148 | Year: 2018 | Pages: 631 | Price (₹): 390.00

**Best Selling**

**INTEREST RATES PRICES AND THE ECONOMY**

This invaluable book is an introduction to macroeconomic theory and policy. It provides the background of numerous issues that are of current importance. Although its primary purpose is to serve as a resource for under-graduates, it will also be useful to other readers. Despite being an introduction to the subject, its approach is not superficial, and complex issues are not ignored. Theory is related to practical issues. Particular attention is devoted to open-economy theory and the international constraints on the domestic economy. As is usual in economic matters, the conclusions are frequently tentative. Economic theory does not always provide answers. It does, however, encourage people to ask useful questions. And that is one of the aims of this book.

**Author: J. Mushin**

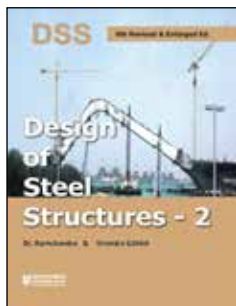
ISBN: 9788172335762 | Year: 2009 | Pages: 224 | Price (₹): 950.00

Book by same Author: THINKING ABOUT INTEREST RATES, PRICES AND THE ECONOMY

ISBN: 9788172335779 | Year: 2009 | Pages: 224 | Price (₹): 750.00

## DESIGN OF STEEL STRUCTURES

(VOL. 2)



Eight edition of this book is based on Bridge Rules (Adopted in 1941, Revised in 1964 and Reprinted in 1989), and IS: 800-2007. Authors have distributed present text in the edition in thirty two chapters [that is, in Four parts (1) Steel Bridges and Influence Lines Diagrams for axial forces for the members of different types of truss-girders, (2) Special Steel Structures (3) Analysis of Structures specially, the method of tension co-efficients for determinate and indeterminate structures, (4) Aluminium structures. In order to emphasize that similar to various other subjects, this subject is also very vast. Therefore, space steel structures and stressed-skin steel structures have been described special features of this new-edition of this book may be mentioned as under (1) Historical development of different types of steel bridges details of some spans of longest spans of various types of steel bridges, (2) Design of Guyed Steel Chimneys (3) Instantaneous Centre of Rotation (ICR) and Plastic Analysis of Pitched slope (i.e., gable structure) and influences of axial forces and shear forces on the plastic moment of resistance of the member cross-sections.

**Authors: Ramchandra & V. Gehlot**

ISBN: 9788172336448 | Year: 2014 | Pages: 972 | Price (₹): 625.00

**Best Selling**

## ENGINEERING MECHANICS LAB MANUAL



The book has been prepared in the form of a complete package that includes, the experiments which have been written very carefully meeting the standard adopted procedures, descriptive figures that aid the understanding, discussion sections that intrigues the analytical rational thinking, objective questions portion a wide reference list for detailed study. The language has been used keeping in view the wide readership which includes students, demonstrators, lecturers, field personnel others. The selection of the experiments has been done very precisely, incorporating the very important ones from the subject.

**Contents:** 1. To verify the Law of Parallelogram of forces & the Lami's Theorem. 2. To verify the Polygon law of forces. 3. To determine the forces in the members of a Jib Crane. 4. To determine the Reactions at the supports of a Simply Supported Beam. 5. To determine the Coefficient of Friction between two surfaces on a horizontal plane. 6. To determine the Coefficient of Friction between two surfaces on an inclined plane. 7. To verify the Principle of Moments using Bell Crank Lever..... 18. To determine the Mass Moment of Inertia of a Flywheel.

**Authors: M. Bhoot & A.K. Gupta**

ISBN: 9788172339302 | Year: 2015 | Pages: 86 | Price (₹): 175.00

## ENVIRONMENTAL ENGINEERING AND SAFETY



Future scientists, engineers, public health workers face challenges which were predicted, but certainly not expected to emerge this soon and to the magnitude presently occurring. The problems and projected solutions in this book cover a broad spectrum of issues including industrial and domestic solid wastes, air pollution and associated global warming, noise pollution and safety. Many engineering elements go into developing solutions to these problems including the need for additional detailed mapping and surveying, developing improved waste water treatment, including the development of more eco-friendly process and importance on conservation. Issues such as environmental assessments now play a most important role in practically all proposed developments. Old landfills are being mined for fuel, new landfills are designed to prevent waste materials from migrating to groundwater and new approaches to waste incineration focus on energy recovery and conversion of waste materials into usable materials. This text should help engineers and scientists meet the environmental challenges.

***Authors: Sangeeta Raut & Sudip Kumar Sen***

ISBN: 9789386102409 | Year: 2017 | Pages: 338 | Price (₹): 350.00

## GUIDE TO CONCRETE REPAIR



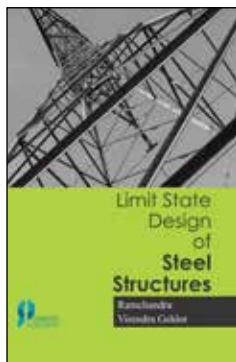
The purpose of this guide to bring forward the reclamation methodology for concrete repair. For many year, the Bureau of Reclamation (Reclamation) has published the Concrete Manual. Reclamation operates and maintains a water resource infrastructure, located primarily in the harsh climatic zones. It has become apparent that there is need for modernization and expansion of the information on the methods, materials, and procedures of concrete repair. The guide contains the expertise of numerous individuals who have directly assisted the author on many concrete repair projects or freely shared their concrete repair knowledge whenever requested. Some of the material in this guide originated in the various editions of Reclamations Concrete Manual. All efforts have been made by the author to bring the guide up to the level of students of UG/PG and teachers as well.

***Author: USDI***

ISBN: 9789388043359 | Year: 2019 | Pages: 172 | Price (₹): 475.00



## LIMIT STATE DESIGN OF STEEL STRUCTURES



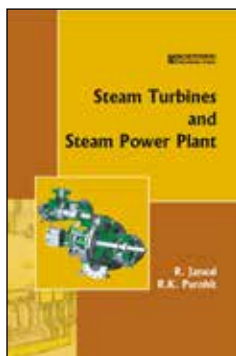
Method of Limit State (Ultimate Limit State, (ULS) and serviceability limit state (SLS)) present an improved design philosophy and makes allowance for the shortcomings of working stress method (conventional and long time used in practice). This method provides basic framework, within which the performance of the steel structures may be assessed against various limiting conditions and involves some concept of probability. Object of limit design method is to get steel structure that will remain fit for use during its life with acceptable target reliability. The probability of a limit state being reached during its life time is kept very small. This method has been broadly adopted in many developed countries and based on the recommendations of IS: 800-2007 (Third Revised Edition). This method has been covered in nine parts (in twenty six chapters and four appendices) as listed in contents. After introducing 'Limit State Method of Design of Concrete Structures (LSD: CC) in IS: 456-1978, it was natural for Bureau of Indian Standard to introduce 'Limit State Design of Steel Structures (LSD: SS). SI units for text for complete book, uncertainties involved in the working stress method and the concept of partial safety factors for the loads and strength of materials (for yield and ultimate stresses reached) are the special feature of the book. Concepts of shear centre for thin-walled beam cross-sections and unsymmetrical bending of beams are important for various requirements and have been included in appendices.

**Authors: Ramchandra & V. Gehlot**

ISBN: 9788172336141 | Year: 2018 | Pages: 1058 | Price (₹): 650.00

**Best Selling**

## STEAM TURBINES AND STEAM POWER PLANT



This book is in communicable language which exposes the subject in a lucid manner. Theory is explained in a very simple language. Lots of illustrative examples are incorporated to enable the students to thoroughly master the subject. I am sure, they should be better equipped to face RTU examination with confidence.

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- |  |  |
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**Authors: R.K. Purohit & R. Jaswal**

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## AN INTRODUCTION TO ENVIRONMENTAL BIOTECHNOLOGY: (AN INSIGHT INTO IT'S LATEST ADVANCEMENTS)



Environmental Biotechnology, a book is written for the benefit of students of life sciences especially who aspire for becoming a biotechnologist having an exciting future. The book provides fundamental knowledge about the scopes in Environmental biotechnology dealing with the ecosystems, components of the environment, environmental pollution and their control measures. Application of biotechnological tools and methods as a solution for all the environmental problems and issues are discussed be it a microbe or a plant for remediating the contaminated ecosystem. The purpose of this book is to present a fair reflection of the practical biological approaches currently employed to address environmental problems, and to provide the reader with a working knowledge of the science.

**Authors: A. Bharani & K. Senthilraja**

ISBN: 9789390495177 | Year: 2022 | Pages: 268 | Price (₹): 1,975.00

**New Release**

## POLLUTION RISKS, IMPACTS & MANAGEMENT (SOCIAL, ECONOMIC AND ENVIRONMENTAL PERSPECTIVES)



Aspects covered:

- (i) Pollution & pollutants; Arsenic; Heavy metals; Microplastics; Persistent organic pollutants; Oil pollution; Pesticides; Nutrient, algal toxins and hypoxia; Pharmaceuticals; Surfactants; Synthetic dyes and textile effluents; Sewage pollution; Climate change, pollutants & ecotoxicity;
- (ii) Chemistry, toxicity and ecotoxicity of pollutants
- (iii) Pollution impacts on social, economic and environmental sectors;
- (iv) Nexus between pollution & poverty, pollution & sustainable development goals, pollution & climate change;
- (v) Management of pollutants; and
- (vi) Guidelines/ regulatory limits of pollutants.

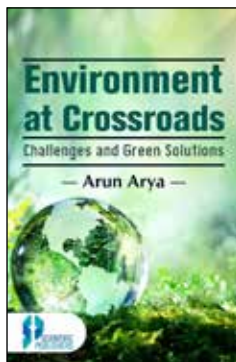


**Authors: Golam Kibria, A. K. Yousuf Haroon, Gavin Rose, Md M. Maruf Hossain & Dayanthi Nugegoda**

ISBN: 9789389184969 | Year: 2021 | Pages: 832 | Price (₹): 5,500.00

**New Release**

## ENVIRONMENT AT CROSSROADS: CHALLENGES AND GREEN SOLUTIONS



The global environment has significantly changed due to a number of factors such as industrial pollution, expansion of agricultural land way beyond the fringe forest zones, destruction of virgin forests, loss of quality agricultural lands due to soil erosion, loss of global wildlife and biodiversity, climate change, global warming, devastating forest fires, floods, draughts, melting of glaciers to mention a few. Human or anthropogenic impacts are in turn devastating the planet with our attention being shifted only to the shining aspect of our civilizations. The most alarming fact about this hidden factor is that they are all directly or indirectly impacted by human activities in some way or other. The present work, *Environment at Crossroads* deals with various environmental problems like climate change, global warming, food security, bioremediation of waste, oil spills, and problems of heavy metal toxicity, control strategies like use of gene therapy, conservation of mangroves, revival of river Vishwamitri and role of plant and animals in biodiversity conservation is discussed.

*Author: Arun Arya*

ISBN: 9789389184938 | Year: 2020 | Pages: 615 | Price (₹): 2,550.00

## TEXT BOOK OF DISASTER MANAGEMENT



Globe is prone to many natural and manmade disasters every year and thus possesses a physical and economical crisis for human being. If nothing is prepared it will difficult to deal with the many challenges following a disaster. Disaster management is a multidisciplinary area, covering a wide range of issues such as monitoring, forecasting, evacuation, search and rescue, relief, reconstruction and rehabilitation. The management aspects like activities, awareness and use of state of art technology can play an important role in the minimization of its impact on people and their properties. The foremost aim of writing this book is to empower the students by providing the basic and general knowledge, services to be rendered in a disaster situation. The framework of disaster management at national, state and district level is facilitates their role and responsibilities to be undertaken in disaster situation is described including the policy, planning, organizational, operational, and other matters.



*Author: A.K. Shrivastava*

ISBN: 9789389412451 | Year: 2021 | Pages: 254 | Price (₹): 345.00

**Best Selling**

## MICROPLASTIC POLLUTION AND RISKS

### Toxicity, Ecosystems, Water, Food, Air and Humans Health



This book entitled “Microplastic Pollution and Risks: Toxicity, Ecosystems, Water, Food, Air, and Humans Health” is an attempt to address important facts and figures related to threats and risks posed by microplastics pollution across different social, economic, and environmental sectors. The book has nine chapters: Chapter 1. Plastic pollution; Chapter 2. Chemistry, toxicity and ecotoxicity of chemicals released from and adsorbed on plastics; Chapter 3. Microplastic contamination of surface waters and drinking waters; Chapter 4. Microplastic contamination of soils and sediments; Chapter 5. Microplastic contamination of agricultural food; Chapter 6. Microplastic contamination of seafood; Chapter 7. Microplastic contamination in the air; Chapter 8. Microplastic contamination and human health; and Chapter 9. Microplastics pollution, climate change and sustainable development goals. The book has been structured as a combination of research, text, reference, and extension book and written in simple and plain English to benefit a wide range of both technical and non-technical readers worldwide. This book containing the latest, authentic, and evidence-based data and information would be beneficial to academic and research institutes, university research students, pollution chemists, polymer scientists, ecotoxicologists, oceanographic, environmental scientists, climate change professionals, water, fisheries, soil and agricultural scientists, economists, social scientists, human health professionals, government planners, regulators, environmental campaigners and trade and business peoples.

**Authors: Golam Kibria, A. K. Yousuf Haroon, Dayanthi Nugegoda and Mohammad Abdul Momin Siddique**

ISBN: 9789394645455 | Year: 2023 | Pages: 278

In Press

## PARYAAVARAN PRADUSHAN : SIDDHAANT EVAN VYAVAHAR



सभी जीव अपनी वृद्धि, विकास तथा अपने जीवन चक्र को सुचारु रूप से चलाने के लिए, संतुलित पर्यावरण पर निर्भर हैं। संतुलित पर्यावरण से तात्पर्य एक ऐसे पर्यावरण से है, जिसमें प्रत्येक घटक एक निश्चित मात्रा एवं अनुपात में उपस्थित होता है। परंतु कभी-कभी मानवीय या अन्य कारणों से पर्यावरण में एक अथवा अनेक घटकों की मात्रा या तो आवश्यकता से बहुत अधिक बढ़ जाती है, जिससे पर्यावरण में हानिकारक घटकों का प्रवेश हो जाता है। इस स्थिति में पर्यावरण दूषित हो जाता है तथा यह जीव समुदाय के लिए किसी न किसी रूप में हानिकारक सिद्ध होता है। पर्यावरण में इस अनचाहे परिवर्तन को रोकने की दिशा में इस पुस्तक के माध्यम से एक सहायीय प्रयास किया गया है। पर्यावरणीय घटकों के आधार पर पर्यावरणीय प्रदूषण को वायु, जल, ध्वनि एवं मृदा प्रदूषण आदि भागों में बाँटा जाता है।

**लेखक:** अमिताव रक्षित, हनुमान प्रसाद परेवा, विनोद कुमार त्रिपाठी एवं प्रदीप कुमार मिश्रा

ISBN: 9789391418762 | Year: 2023 | Pages: 1578 | Price (₹): 1095.00

New Release

## ANTARCTICA: ENVIRONMENT AND CONSERVATION

(Arising Issues, Policies and Management)



This is the first book to provide a comprehensive overview of environment of Antarctic continent and its conservational approaches being adopted by all stake holder to help preserve the pristine environment of the icy continent.

It discusses various environmental issues, policies and its governance through Antarctic Treaty and provisions made therein for effective management of Environmental good practices under the ambit of the Antarctic Treat.

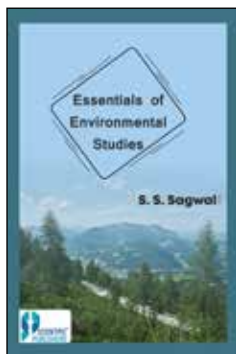
The investigations carried out by Indian researchers through initiatives addressing Antarctic Environmental management are well documented. Using data gathered by two Indian research bases Maitri and Bharti, ideal sites to study and understand Environment Impact Assessment (EIA) in Antarctic in the past and the recent changes, this book helps understand environmental perspectives and evaluate some of the most pressing issues in the south polar region.

**Authors:** *Neloy Khare, Anoop Kumar Tiwari & Tara Megan Da Lima*

ISBN: 9789390749287 | Year: 2023 | Pages: 124

**Forthcoming**

## ESSENTIALS OF ENVIRONMENTAL STUDIES



The book, Essentials of Environmental Studies is a very nice attempt on the environment. A neat and clean environment is body guard of the human health. Therefore, it is the prime duty of every citizen to keep the environment in a very good condition. Keeping this in view, the present book has been attempted to write in a lucid and very simple language. It is earnestly hoped that the present book will certainly serve a great cause to gather a sound knowledge and the ways to save the same.

### Contents:

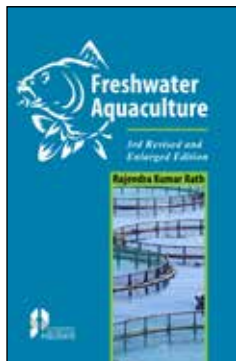
- |   |                                     |
|---|-------------------------------------|
| 1. Environmental Factors                            | 2. Environmental Factors            |
| 3. The Ecosystem                                    | 4. Ecological Zones of India        |
| 5. Natural Resources                                | 6. Ecological Succession and Climax |
| 7. Forest Fires and Environment                     | 8. Environmental Pollution          |
| 9. Disaster   | 10. Conserving the Biodiversity     |
| 11. Environmental Ethics and Protection Legislation | 12. Social Egresses and Environment |
| 13. Human Population and Environment                | 14. Afforestation and Environment   |

**Author:** *S. S. Sagwal*

ISBN: 9789389412413 | Year: 2022 | Pages: 306 | Price (₹): 1,995.00

**New Release**



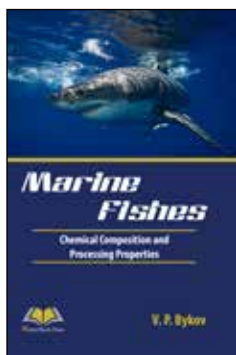
**FRESHWATER AQUACULTURE****(3RD ED.)**

The revised third edition is a comprehensive and better illustrated book covering the major aspects of freshwater aquaculture within Asiatic region with particular focus on the Indian context. In the present revised edition, an attempt has been made not only to update the information but also three additional chapters such as Biotechnology in Aquaculture, Fisheries Extension Education and Ornamental Fish Production and Management are incorporated for the graduate and postgraduate students in the subject concerned. Hope this book would facilitate the teaching of the subject in Colleges and Universities as per their syllabi.

**Author: R.K. Rath**

ISBN: 9788172336950 | Year: 2018 | Pages: 597 | Price (₹): 495.00

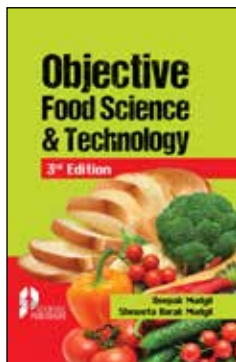
**Best Selling**

**MARINE FISHES : CHEMICAL COMPOSITION AND PROCESSING PROPERTIES****Contents:**

Introduction, Characteristics of Fish, Superorder Selachioidei-Sharks, Family Carcharhinidae-Requiem Sharks, Family Lamnidae-Mackerel Sharks, Family Sphyrnidae-Hammerhead Sharks, Family Squalidae-Dogfishes, Family Rhinobatidae-Guitar Fishes, Subclass Teleostei -Bony Fishes, Family Albulidae-Bonefishes, Family Anoplopomidae-Sablefishes, Family Anarhichadidae - Wolffishes, Family Anguillidae-Eels, Family Apogonidae - Cardinalfishes, Family Argentinidae-Argentines or Herring Smelts, Family Arripidae-Australian Salmon, Family Ariidae-Sea Catfishes, Family Berycidae-Alfoncinos, Family Bothidae-Lefteye Flounders, Family Bramidae-Pomfret, Family Carangidae-Jacks, Scads and Pompanos, Family Centropomidae--Snooks, Family Chaenichthyidae-Glassfishes, Family Cheilodactylidae-Morwongs, Family Chirocentridae- Wolf Herrings, Family Centrarchidae-Picarels, Family Clupeidae-Herring, Family Congridae-Conger Eels, Family Cyclopteridae-Lumpfishes, Family Coryphaenidae -Dolphins, Family Drepanidae-Sicklefishes or Drepaneae, Family Dactylopteridae-Flying Gurnards, Family Engraulidae-Anchovies, Family Emmelichthyidae-Bonnetmouths or Redeyes, Family Elopidae-Tenpounders or Tarpons, Family Ephippidae-Spadefishes, Family Formionidae-Black Butterfishes, Family Fistulariidae – Cornetfishes, Family Gadidae- Cods, Family Gempylidae-Snake Mackerels, Family Gobiidae-Gobies etc.

**Author: V.P. Bykov**

ISBN: 9789383692729 | Year: 2021 | Pages: 322 | Price (₹): 2,650.00

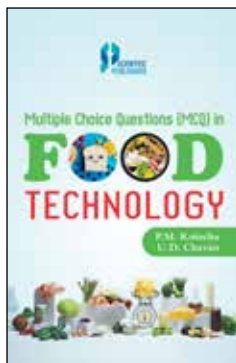
**OBJECTIVE FOOD SCIENCE & TECHNOLOGY****(3RD ED.)**

The objective of this book is to provide single platform for preparation of competitive examinations in Food Science and Technology discipline. The book contains over 10000 objective questions on the subjects such as Food Chemistry, Food Microbiology, Food Engineering, Dairy Technology, Fruits and Vegetables Technology, Cereals Technology, Meat Fish and Poultry Processing, Food Additives, Foods and Nutrition, Bioprocess Technology, Food Packaging, food Analysis, Functional Foods, Emerging Food Processing Technologies, Food Biochemistry and Miscellaneous topics. The book also contains 1500 subjective keynotes for above mentioned topics. Previous five years (2013-2017) ICAR NET Exam solved question papers (memory based) are also included in this addition. Special Features of the Book: 1. More than 10,000 MCQs for ASRB-NET, ICAR JRF-SRF and IIT GATE examination 2. Five years ICAR-NET solved question papers 3. Revised and updated 1500 subjective keynotes.

**Authors: Deepak Mudgil & Sheweta Mudgil**

ISBN: 9789388172868 | Year: 2022 | Pages: 618 | Price (₹): 545.00

**Best Selling**

**MULTIPLE CHOICE QUESTIONS (MCQ) IN FOOD TECHNOLOGY**

This invaluable book furnishes exhaustive, single coverage of more than 3900 multiple choice questions with answer on Food Process Technology, Food Engineering, Food Chemistry and Nutrition, Food Microbiology and safety, Food Business Management and Overall Food Technology and much more. Written by experts related resource person, the MCQ in Food Technology is an indispensable resource for agricultural, food scientists and technologists, post harvest technologists, and upper level undergraduate and graduate students in these disciplines.

**Contents:**

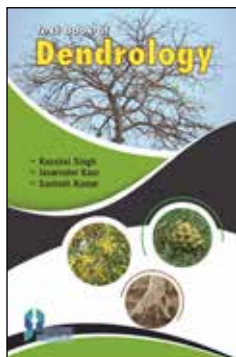
1. Food Process Technology
2. Food Engineering
3. Food Chemistry and Nutrition
4. Food Microbiology and Safety
5. Food Business Management
6. Over all Food Technology

**Authors: P.M. Kotecha & U.D. Chavan**

ISBN: 9789388449328 | Year: 2019 | Pages: 283 | Price (₹): 395.00

**Best Selling**

## TEXT BOOK OF DENDROLOGY



Dendrology is a science all about trees and other plants that have woody structures. It is the scientific study of morphological characteristics of woody plants, their relationship, biological characteristics, ecological requirements, distribution, variability and economic importance. This book is a compilation of existing literature, field visits, and interactions with renowned personalities working in the similar field. We have attempted to cover Dendrology syllabus for UG Forestry as per the recommendations of the Fifth Deans Committee Report, ICAR. This book may assist students preparing for the ASRB scientist, NET exam, ICFRE scientist exam and entrance exams for higher studies.

**Authors: Kaushal Singh, Jaswinder Kaur & Santosh Kumar**

ISBN: 9789391418540 | Year: 2022 | Pages: 182 | Price (₹): 1,595.00

**New Release**

## TEXTBOOK ON WOOD PRODUCTS AND UTILIZATION



Forests play vital role in the socio-economic development of the country in terms of productive, protective and bio-aesthetic aspects. Forest and trees play unique role in the cultural and religious life of the country. This besides supplying wide range of products and it also helps to ameliorate soil and climate, improves water supply and control flood and drought. Though there are few literatures and books are available, these must be organized in the form of a text book for use by forestry graduates and also by the practicing foresters. This book has been designed with 16 chapters which covers the status of Indian forests, export, import of wood, demand and supply of wood in India, Timber transit rules in India, EXIM policy for Wood and Wood Products, Wood based industries, Grading of timber Wood conversion, Wood seasoning, Wood Preservation, Wood modification, Structural uses of timber Composite wood, Wood adhesives and polymers, Wood energy, Use of Nanotechnology in wood products, Production technology of Value added Products from wood and its application. In a holistic perspective, the information furnished in this book will definitely act as ready reckoner for the faculty who teaches a course on Wood Products and Utilization for Undergraduate and Post graduate students and also for the students for writing competitive examinations.

**Authors: M.P. Divya, K.T. Parthiban, M. Packialakshmi & S. Krishnamoorthi**

ISBN: 9789392590795 | Year: 2022 | Pages: 217 | Price (₹): 1,745.00

**New Release**

## TREE BREEDING AND IMPROVEMENT: THEORY AND TECHNIQUES

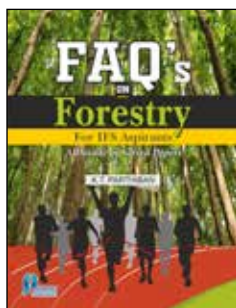


Tree Breeding and Improvement is gaining significant attention and attraction across the country as a scientific tool to enhance the productivity and wood quality besides facilitating conservation of Forest Genetic Resources. The science of Tree Breeding is comparatively young but extended greater scope in the recent past in operational plantation development programme. The Tree Breeding and Improvement has been incorporated as a subject in Under Graduate as well as Post graduate degree programme in Forestry offered at various State Agricultural Universities of the country. The existing text books on Tree Breeding are very limited and the practical aspects of tree breeding have not been evidenced in most books. The students and the tree breeding scientists require a comprehensive text book incorporating all theoretical and practical aspects of tree breeding. Accordingly the current book entitled "TREE BREEDING AND IMPROVEMENT - THEORY AND TECHNIQUES" has been designed with 18 chapters. The basic and fundamental aspects of tree breeding have been presented in chapter 1. The chapters 2 and 3 elaborate the Center's of origin and pollination mechanism of trees. The theoretical and practical aspects of tree breeding methods, hybrid development, genetic tests and their biometric analysis have been presented with suitable field level examples from chapter 4 to 9. Incorporation of Seed orchard, clonal forestry, Exotic Forestry and Forest Biotechnology with -the-state-of-art- recent development will find greater utility by the students and researchers.

**Authors: K.T. Parthiban , N. Krishnakumar & P.S. Devanand**

ISBN: 9789389412833 | Year: 2020 | Pages: 391 | Price (₹): 2,495.00

## FAQ'S ON FORESTRY FOR IFS ASPIRANTS



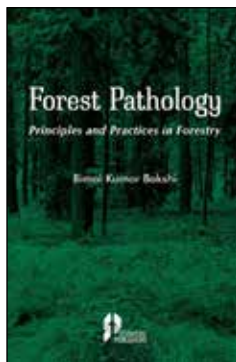
This book has been prepared by referring over 150 textbooks, scientific documents and furnished in an easy language for the readers to follow. Hence the book will find profound utility by all sections of graduates aspiring for Indian Forest Service (IFS). The compilation of the book will also find utility for other state service and Agricultural research service examinations.

**Authors: K.T. Parthiban , N. Krishnakumar , B. Palanikumar, R. Thirunirai Selvan & N. Kanagaraj**

ISBN: 9789392590061 | Year: 2022 | Pages: 724 | Price (₹): 695.00

**Competative Exam**

## FOREST PATHOLOGY: PRINCIPLES AND PRACTICE IN FORESTRY



The book consists of three parts. General principles of forest pathology are discussed in Part I. Following an account of the causes of the diseases, the plant parts affected are dealt with separately because the causal organisms, attacking seedlings, and also different parts of the tree belong to ecologically distinct groups. Part II deals with diseases of trees of the Indian subcontinent. An account is presented for all the diseases of forest trees in India occurring in other countries to interest international readers. For exotic conifers, which are mostly in trial stage in India, diseases recorded in India only are described, since diseases on them are fully described in other books. A feature that will be useful to readers who may not be familiar with Indian forests is the inclusion of silvicultural and management practices of major forest tree species as these may have a direct relation to the development of the disease. The causes, effects and control of microbial degradation of wood form the subject matter of Part III. Mycological details of pathogens have been published elsewhere by the author and are purposely avoided in this book to facilitate easy reading. It is hoped that the book will be useful for students, plant pathologists and forest pathology in particular but also to scientists and foresters concerned with the problems of increasing wood production and its protection.

**Author: B.K. Bakshi**

ISBN: 9789390199983 | Year: 2021 | Pages: 400 | Price (₹): 2,550.00

## COMPREHENSIVE FORESTRY

### English - Gujarati (For RFO and GPSC Examinations)



The book will be the only book in English and Gujarati (bilingual) for the RFO aspirants. The graduates of Botany, Chemistry, Geology, Mathematics, Physics, Statistics, Zoology, Microbiology, Biotechnology, Bio-chemistry, Environmental Science, Animal Husbandry and Veterinary Science, Agriculture, Forestry, Horticulture and Engineering are eligible for the examination. Apart from a very few disciplines, no graduate is equipped with sound knowledge of forest and environment in his/her graduate studies. And therefore this book will be a must for all the candidates appearing for RFO exam in particular and all other competitive exams in general.

**Authors: R. L. Meena & Aadil A. Kazi**

ISBN: 9789390495917 | Year: 2021 | Pages: 556 | Price (₹): 630.00

**Competative Exam**

## FOREST MENSURATION HANDBOOK



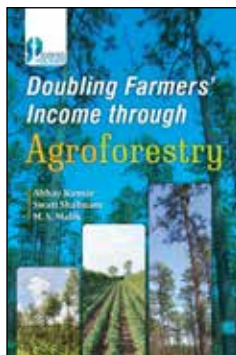
### Contents:

- Index to Charts and Tables by Species
- Introduction
- General Aspects of Measurement
- Measurement Conventions
- Measurement of Felled Timber
- Measurement of Standing Timber
- Miscellaneous
- Tables

**Author:** *G.J. Hamilton*

ISBN: 9789388399012 | Year: 2021 | Pages: 274 | Price (₹): 3,250.00

## DOUBLING FARMERS INCOME THROUGH AGROFORESTRY



This book deals with importance of opportunities for doubling farmers' income, enhancing farmers' income, employment generation, improving food and nutritional security, enrichment of soil, air and water quality, enhancing biodiversity, aesthetic and recreational value, carbon sequestration and climate change and mitigation through agroforestry.

This book contains 20 chapters naming introduction, policy & scheme, IFS, sericulture, lac culture, apiculture and economically important tree species (Teak, Gamhar, Poplar, Malabar neem, Eucalyptus, Sandalwood and Bamboo), horticulture/fruit tree species (Mango, Aonla, Guava, Coconut, Cashew nut, and Medicinal and Aromatic plants) based agroforestry system which gives higher gross income, net return, B: C ratio than open farming system (sole crops).

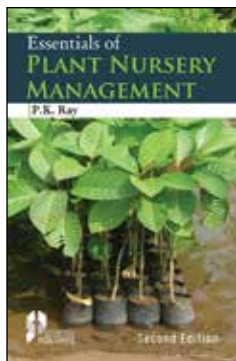
**Authors:** *Abhay Kumar, Swati Shabnam & M.S. Malik*

ISBN: 9789390495719 | Year: 2021 | Pages: 199 | Price (₹): 1,675.00

**New Release**





**ESSENTIALS OF PLANT NURSERY MANAGEMENT****(2ND ED.)**

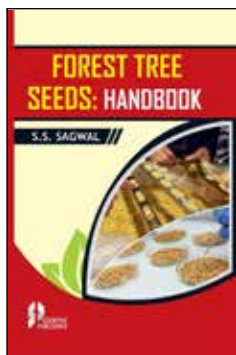
The second edition of the book “Essentials of Plant Nursery Management” represents a thoroughly revised and updated version of the preceding edition. It offers a cohesive treatment of the subject, covering fundamental principles of plant science and business management to operate a plant nursery in a highly profitable and professional manner. The book provides both general and specific information on the full range of topics related to nursery management. It explains in great detail how to run business that raises and sells plants for substantive profit.

This is an essential reading not only for graduating students but for anyone considering entry into the nursery business, and also for those already in the nursery industry. Looking at the recent technological advances in the field, a new chapter on “Mechanisation and Automation in the Plant Nursery” has been added. The book is heavily illustrated for enhanced understanding of the subject. It meets the requirement of a course entitled “plant propagation and nursery management” taught at UG and PG level in agriculture / horticulture / Forestry courses at universities in India or abroad.

**Author: P.K. Ray**

ISBN: 9789389832754 | Year: 2021 | Pages: 419 | Price (₹): 2,995.00

**Best Selling**

**FOREST TREE SEEDS: HANDBOOK****Contents:**

Preface

Acknowledgements

1. Introduction

2. Seed Storage

3. Seed Pre-treatment

4. Seed Testing

5. Sampling Seed

6. How to Commerce Seed

Appendices

1. Label to be attached to container of seed

2. Sample for Purity and Germination Testing

3. Sample Test Ledger Sheet

4. Germination Test

5. Purity Test

6. Seed Moisture Control Test

7. Nursery Germination Record

8. Analysis Results (Germination)

9. Description of Seedlings (The Trees)

Glossary

References



**Author: S.S. Sagwal**

ISBN: 9789388043663 | Year: 2021 | Pages: 300 | Price (₹): 950.00

**New Release**

**OBJECTIVE FORESTRY: FOR ALL COMPETITIVE EXAMINATION****(3RD ED.)**

The science of Professional Forestry Education has been inception in State Agriculture Universities during 1985; since then there is a growing significance towards objective and subjective books as a read and reference material. The Professional Forestry Education incorporated wide range of courses which included examinations with objective type questions to satisfy the academic needs. The placement of forestry graduates depends on competitive examinations conducted by both government and private institutions like wood based industries through objective type mode. The All India Competitive Examinations conducted by ICAR such as JRF, SRF, NET and Scientist Recruitment are conducted predominantly on objective mode which demanded comprehensive and updated competition tutor. Under such circumstances the book on OBJECTIVE FORESTRY has been designed and published during 2015 which gained significant attraction across India as a source of ready-made reference material both for academic and competitive examination.

**Authors: K.T. Parthiban, S. Vennila, S. Umesh Kanna & P. Durairasu**

ISBN: 9789389184358 | Year: 2022 | Pages: 389 | Price (₹): 425.00

**Best Selling**

**वानिकी एवम कृषि वानिकी से परिचय**

ENGLISH  
EDITION  
ALSO  
AVAILABLE

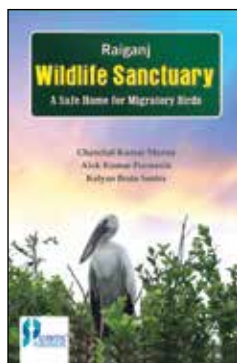
इस पुस्तक में वानिकी की मूल संरचना जैसे वन एवं वानिकी, वन वर्गीकरण एवं प्रकार, प्रमुख देशों के वन स्रोत, विश्व वनों की स्थिति, भारतीय वनों की स्थिति, प्रमुख वाणिज्यिक वृक्षों का वन संवर्धन के कार्य एवं सिद्धांत सम्मिलित है। मौलिक संकलनाओं के अलावा पुस्तक में वन उपयोगिता, वन मापन, कृषि वानिकी, सामाजिक वानिकी, संयुक्त वन प्रबंधन और डैन्डो ऊर्जा जैसे संसाधनों को सम्मिलित किया गया है। यह पुस्तक स्नातक विद्यार्थियों को वानिकी के प्रायोगिक कार्यों को अच्छे से समझने में सहायता प्रदान करती है। वानिकी के पर्यावणीय पक्षों को सम्मिलित करने के लिए विशेष रूप से ग्लोबल वार्मिंग व कार्बन पृथकरण से विद्यार्थियों को पर्यावरण सम्बन्धी ज्ञान परिचय की जानकारी प्राप्त करने में सहायता मिलती है। काष्ठ उद्योगों पर आधारित सोलहवां अध्याय वानिकी क्षेत्र में समस्त औद्योगिक सहभागिता को बढ़ावा देता है। वानिकी विकास से जुड़े संगठनों और वानिकी की महत्वपूर्ण तिथियों और घटनाओं को सम्मिलित करने से न केवल विद्यार्थियों को शैक्षिक उद्देश्यों के लिए बल्कि उनकी प्रतिस्पर्धात्मक परीक्षाओं की आवश्यकताओं के लिए भी सभी आवश्यक जानकारी प्राप्त होती है। अधिनियमों और नीतियों के बारे में अंतिम अध्याय स्नातक विद्यार्थियों के लिए वन प्रबंधन और संरक्षण में कानूनी और नीतिगत मुद्दों के महत्व के बारे में उपयोगी होगा। यह पुस्तक समग्र वानिकी एवम कृषि वानिकी का दर्पण है।

**लेखक: के.टी. पार्थीबन एवं मनमोहन जे. डोबरियाल**

ISBN: 9789389412673 | Year: 2023 | Pages: 300 | Price (₹): 395.00

**Best Selling**

## RAIGANJ WILDLIFE SANCTUARY: A SAFE HOME FOR MIGRATORY BIRDS



Raiganj Wildlife Sanctuary is an artificial planted forest of the Forest Department, Govt. of West Bengal. The unique feature of this forest is that it provides the nesting place for many migratory and some resident birds species. Every year, a huge number of Asian open billed stork, Cormorant, Heron, Egret and other bird species used to come in this Sanctuary for their breeding purposes. The main attraction of various migratory birds' species is to find safe nesting zone, availability of nesting materials, suitable climatic conditions and plenty of food materials. No intraspecific and interspecific tussle for food materials are observed in this sanctuary.

This book has been made basically on some ecological factors of the Sanctuary that influence the bird's breeding life and safety of their newborn individuals. The present observations have been made to study some aspects of breeding behavior, diversity in nest pattern and parental care of diverse migratory bird species in the Sanctuary. Many factors are associated for the purpose of breeding, nest site selection and day to day activities of various migratory species.

**Authors: Chanchal Kumar Manna , Alok Kumar Pramanik & Kalyan Brata Santra**

ISBN: 9789392590276 | Year: 2022 | Pages: 81 | Price (₹): 850.00

**New Release**

## गोडावण

### ग्रेट इंडियन बस्टर्ड की विलुप्तता तक की यात्रा



गोडावण के बारे में अभी तक उपलब्ध शोध व विविध जानकारी के आधार पर हिंदी में लिखी गई यह पहली पुस्तक है, जिसमें कि गोडावण की विपुलता से विलुप्तता तक पहुंचने की यात्रा का वृत्तान्त एक सामान्य पाठक एवं शोधकर्ता, दोनों को ही दृष्टि में रख कर आसानी से समझने योग्य भाषा में दिया गया है। इस पुस्तक में गोडावण की ऐतिहासिक व वर्तमान आबादी, उसका वितरण क्षेत्र जाति वृत्त, पारस्परिक व्यवहार, प्रणय-प्रदर्शन और प्रजनन, भोजन, प्राकृतवास, जाति पर मंडराता संकट, और संरक्षण के उपायों पर वैज्ञानिक दृष्टिकोण से चर्चा की गई है। पुस्तक को लिखने की क्रिया के प्रत्येक चरण में देश के प्रमुख गोडावण-विशेषज्ञों के सहयोग ने इसे सभी वन्यजीव प्रेमियों, वन कर्मियों, और शोधार्थियों के लिये उपयोगी बना दिया है। पुस्तक में दिये गये रेखाचित्र और छायाचित्र प्रसिद्ध गोडावण विशेषज्ञों द्वारा उपलब्ध कराये गये हैं, जिससे कि गोडावण की जीवन चर्या को समझने में सहायता मिलती है।

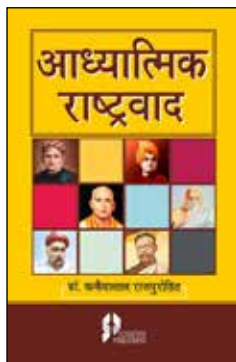
**लेखक: राकेश व्यास**



ISBN: 9789390749065 | Year: 2023 | Pages: 150 | Price (₹): 995.00

**New Release**

## आध्यात्मिक राष्ट्रवाद



भारतीय मनीषा का आधुनिक युग में एक महत्वपूर्ण अवदान है मातृभूमि के प्रति अविचल निष्ठा से आलोकित एवं पार्थिव सत्ता से परे उसके दिव्यत्व की चेतना से स्पंदित आध्यात्मिक राष्ट्रवाद। भारत की अस्मिता के सम्मुख यांत्रिक कौशल से सम्पन्न पश्चिमी राजनैतिक व बौद्धिक साम्राज्यवाद के रूप में जो गंभीर संकट उन्नीसवीं सदी में उपस्थित हुआ उससे सर्वथा हतप्रभ व दिग्भ्रांत भारतीय जब अपने अस्तित्व के आधारों का नकारने में ही मुक्ति का आल्हाद अनुभव करने लगे थे तब सांस्कृतिक विलोपन के उस भीषण संकट के दौर में इस विचार धारा ने ही हमें उस झंझावत को झेलने में सक्षम बनाया। भारतीय प्रज्ञा के षलाका पुरुषों ऋषि बंकिमचन्द्र, स्वामी विवेकानन्द, स्वामी रामतीर्थ, महायोगी श्री अरविन्द, लोकमान्य तिलक एवं विपिनचन्द्र पाल की लोकोत्तर प्रतिभा से उद्भासित आध्यात्मिक राष्ट्रवाद ने संभ्रमित राष्ट्र को अभिनव दिशा बोध देकर जनसाधारण में जिस ओज एवं अश्रुत देशभक्ति की ऊर्जा का संचार किया, राष्ट्रीय आन्दोलन को जो शक्ति, गति एवं गरिमा प्रदान की वह हमारे स्वाधीनता संग्राम की निजधरि गाथा है। ऐसा प्रेरक विचार दर्शन की इस पुस्तक का प्रतिपाद्य विषय है।

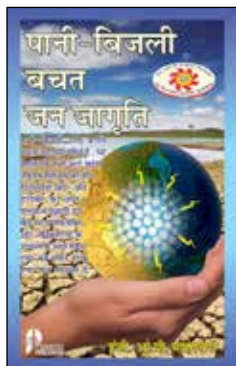
भारतीय संस्कृति के आधारभूत मूल्यों से अनुप्राणित आध्यात्मिक राष्ट्रवाद चिन्तन के क्षेत्र में सैद्धान्तिक वाग् विलास तक सीमित न होकर कर्मक्षेत्र में उतरने का आह्वान था। इसका बीजमंत्र था वन्दे मातरम् और लक्ष्य था मातृभूमि का सर्वतो-भावेन उत्कर्ष। राष्ट्रवाद के प्रचलित स्वरूप से परे यह मातृभूमि को निवेदित एक भाव प्रवण स्तुति है। कालजयी मूल्यों से रची बसी यह विचार धारा चिंतन के क्षेत्र में आधुनिक भारत की उल्लेखनीय देन है।

**लेखक: के. एल. राजपुरोहित**

ISBN: 9789389412246 | Year: 2021 | Pages: 496 | Price (₹): 695.00

**New Release**

## पानी बिजली बचत जन जागृति



यह एक शंखनाद है आह्वान है स्वयं एवं देश के लिए, पानी बिजली संरक्षण कर राष्ट्र प्रगति में अपना योगदान देने के लिए। मेरी यह छोटी सी कोशिश उन सोये हुए व्यक्तियों को जगाने की है जो पानी बिजली की कीमत नहीं जानते। पानी की एक बूंद प्यासे व्यक्ति में जान डाल देती है। विकास की धुरी ऊर्जा व पानी से ही चलती है। सरकार चाहे जितनी बिजली और पानी जनता को उपलब्ध करा दे मगर इन्हें सहेजना नहीं सीखा तो प्रगति का पहिया गति नहीं पकड़ पायेगा। इस पुस्तक में छोटे छोटे लेखों द्वारा बिजली पानी सम्बन्धी कई सारे पहलुओं की सरल एवं बोधगम्य भाषा में सचित्र जानकारी प्रदान की गई है ताकि हर व्यक्ति देश, समाज एवं स्वयं के हित में छोटी छोटी तकनीको, शोध अपनाकर, जागरूक रहकर बिजली पानी का संरक्षण कर सके। बिजली पानी का सदुपयोग कर, अपनी स्वयं की बचत के द्वारा हम सभी राष्ट्रीय प्रगति में योगदान दे सकते हैं। पुस्तक में दर्शाई जानकारीयां से जन जन में जागृति उत्पन्न होगी ऐसा मेरा सोचना है।

**लेखक: ओ. पी. माहेश्वरी**

ISBN: 9789392590351 | Year: 2018 | Pages: 288 | Price (₹): 450.00

**New Release**

## प्लास्टिक का सत्य

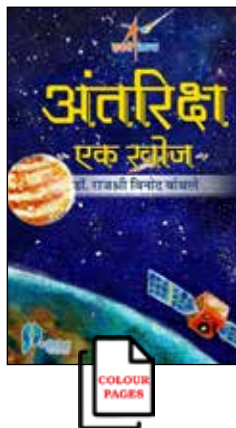


- प्लास्टिक है क्या ?
- बहुलक या पॉलीमर
- क्या है बहुलकीकरण?
- प्लास्टिक का ऐतिहासिक परिदृश्य
- प्लास्टिक के रोचक तथ्य
- प्लास्टिक का वर्गीकरण
- विभिन्न प्रकार के प्लास्टिक विषयक जानकारी
- प्लास्टिक के उपयोग
- जल शोधन में पॉलीमर की उपयोगिता
- प्लास्टिक के इंजिन, घर और ईंधन
- अन्य उपयोग
- प्लास्टिक प्रस्फुरक छड़ें
- चिकित्सा उपकरणों में उपयोग
- बागवानी में प्लास्टिक उपयोग
- प्लास्टिक का उत्पादन
- प्लास्टिकों को आकार देने की विधियाँ
- प्लास्टिक के विभिन्न कोडचिह्न
- प्लास्टिक के खतरे
- प्लास्टिक कचरे के प्रकार
- घरेलू कूड़ा-करकट भी समस्या
- उपभोग्य (डिस्पोजेबल) वस्तुओं से रोग
- प्लास्टिक के विभिन्न क्षेत्रों में दुष्प्रभाव
- प्लास्टिक के गिलास में गरम पेय हानिकारक
- चिकित्सा उपकरण एवं दवाओं की पैकिंग
- प्लास्टिक से त्रस्त महासागर
- सूक्ष्म प्लास्टिक या माइक्रो प्लास्टिक प्रदूषण
- माइक्रोप्लास्टिक क्या है?
- महत्वपूर्ण नवीन शोध कार्य
- प्लास्टिक के प्रयोग बंद न होने के कारण
- प्लास्टिक प्रदूषण का समाधान
- पर्यावरण स्नेही प्लास्टिक

लेखक: डी.डी ओझा एवं डॉ. एम.एल. अग्रवाल

ISBN: 9789389184082 | Year: 2020 | Pages: 150 | Price (₹): 280.00

## अंतरिक्ष एक खोज

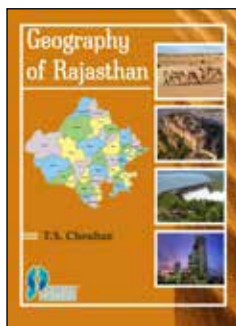


संवाद शैली में लिखी इस पुस्तक का उद्देश्य, हमारे मन में अंतरिक्ष के प्रति जागने वाली सहज जिज्ञासाओं का उत्तर देना है। अंतरिक्ष का रहस्य हम सभी को रोमांचित करता है। बचपन से ही चाँद, तारे, सूरज हमें आकर्षित करते हैं और अनबूझे प्रश्न घेरने लगते हैं। बच्चों का मार्गदर्शन करने की जिम्मेदारी परिवार जनों की, घर के बड़ों की होती है। ऐसे में परिवार का बड़ा दायित्व बनता है कि वह अपने बच्चों में वैज्ञानिक सोच का विकास करे। पुस्तक के काल्पनिक परिवार के छोटे पर उत्सुक बच्चे बंटी और उसकी बड़ी बहन रिमझिम में जिज्ञासा कूट-कूट कर भरी है। आकाशगंगा और सौरमंडल से गुजरते हुए अंतरिक्षयानों, उपग्रहों और अंतरिक्ष यात्रियों के बारे में अपने प्रश्नों का उत्तर घर के बड़े यानि नयना बुआ, दादाजी और रमन चाचा से प्राप्त करते हैं। भारतीय अंतरिक्ष अनुसंधान संगठन के बारे में जानकारी लेकर ये भारतीय प्रक्षेपण यान और भारतीय उपग्रहों के बारे में सीखते हैं। कुछ नई-नई रोचक बातें भी इस पुस्तक में समाहित हैं।

लेखक: राजश्री विनोद बोथाले

ISBN: 9789389412000 | Year: 2019 | Pages: 148 | Price (₹): 418.00

## GEOGRAPHY OF RAJASTHAN



The present book provides data on qualitative and quantitative information on various resources of the State. It provides a lucid account of all the natural resources and various development programmes currently under execution in the State. The book will be of great value to planners and research scientists and help in sustainable development through proper understanding of the State's resource endowment.

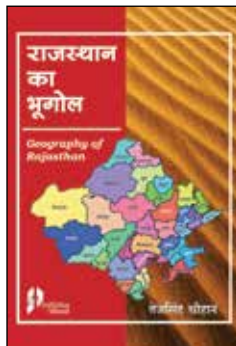
**Contents:** Foreword, Preface, Acknowledgements, 1. Introduction, 2. Geology, 3. Physiography and Geomorphology, 4. Drainage System and Lakes, 5. Climate, 6. Soil, 7. Environmental Pollution, 8. Natural Vegetation and Forests, 9. Disasters Management, 10. Surface Water Resources, 11. Ground Water Resources, 12. Land Use And Agriculture Development, 13. Watershed Development, 14. Irrigation, 15. Livestock and Dairy Development, 16. Mineral Resources 17. Wastelands, 18. Energy Development, 19. Transportation And Communication, 20. Tourism And Cultural Heritage, 21. Industrial Development, 22. Population, 23. Geographical Region, Reference

**Author: T.S. Chouhan**

ISBN: 9789389184297 | Year: 2022 | Pages: 675 | Price (₹): 650.00

**Best Selling**

## राजस्थान का भूगोल: GEOGRAPHY OF RAJASTHAN



इस पुस्तक में केन्द्रीय हिन्दी निदेशालय द्वारा निर्धारित भूगोल विषयक वैज्ञानिक शब्दावली का उपयोग किया गया है। विषयानुकूल शताधिक मानचित्र व छायाचित्र तथा नवीनतम सांख्यिकीय तथ्यों का समायोजन कर ग्रन्थ का कलेवर सुन्दर एवं प्रभावी बनाया गया है। यहाँ यह संकेत देना उचित एवं सामयिक है कि पूर्णतः शैक्षिक उद्देश्य से प्रदर्शित उद्भूत मानचित्रों की अन्तर्राष्ट्रीय एवं अन्तर्प्रान्तीय (राज्यीय) सीमायें भारतीय सर्वेक्षण विभाग द्वारा न तो सत्यापित हैं और न ही प्रमाणित। द्वितीय संस्करण की भूमिका-राजस्थान का भूगोल पुस्तक का नवीनतम (द्वितीय) संशोधित, परिवर्धित संस्करण प्रस्तुत करते हुए लेखक बड़ा ही हर्ष महसूस कर रहा है। मेरे को पाठकों ने कुछ सुझाव भी भेजे जिनका समावेश इस संस्करण में कर दिया गया है।

1. परिचय स्थिति, क्षेत्रफल एवं निर्माण (Introduction), 2. भूगर्भिक संरचना (Geology), 3. भौतिक स्वरूप (Physiography), 4. थार की उत्पत्ति एवं मरुस्थलीकरण (Origin of Thar and Desertification), 5. अपवाह प्रणाली और झीलें (Drainage System and Lakes), 6. जलवायु (Climate), 7. वन एवं वनस्पति (Forest and Vegetation), 8. मिट्टी संसाधन (Soil Resources), 9. जल संसाधन (Water Resources), 10. वन्य पशु-पक्षी (Wild and Birds), 11. प्राकृतिक आपदा व प्रबन्धान (Disaster Management), 12. परती भूमिध्वंजर भूमि (Waste Land)..... 23. Geographical Region

**लेखक: टी. एस. चौहान**

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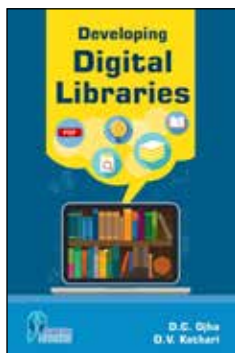


The book, in addition to the discussions on the principles, offers an insight into the practical aspects of implementation and management. It also incorporates some case studies. A companion volume entitled, 'Paradigm shift in Technological Advancement in Librarianship . Essays in Honour of Dr. Pawan Kumar Gupta is also being brought out separately.

**Authors: M.S. Rana, D.C. Ojha & N.K. Swain**

ISBN: 9788172337445 | Year: 2021 | Pages: 407 | Price (₹): 1,975.00

## DEVELOPING DIGITAL LIBRARIES



Digital or virtual libraries have brought the revolutionary changes in the entire concept of library organization, management and operations. To peep into it, library and information science professionals, need to be get ready to face the challenges emerging due to the adoption of newer technologies. In this volume an attempt has been made to synthesize all aspects of Digital Libraries and to put them in the systematic order at one place to understand the conceptual phenomena and to render the better services. The books not only deals with the theoretical aspects of Digital Libraries but there are also some case studies which show the path to go ahead. Antivirus is also an important factor in forming the Digital Library. This aspect has also been given the due importance and a complete chapter has been devoted to this aspect. Few important topics concerning to Digital Libraries covered in this volume are :

### Special Features:

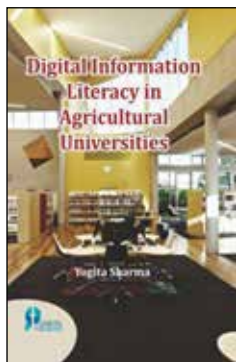
Policy and Planning of Digital Libraries, Digital Libraries : An Overview of Standards, Protocols and Formats, Perspectives in Digital Libraries, Digital Libraries : Storage & Management, Digitization of Dr. Raheja Library : A case study, Digital Information and Documentation, Management in Leather and Allied Subjects, Electronic Copyright, Digital Property Rights and Licensing Issues, Antivirus and Protection of Digital Libraries.

**Authors: D.C. Joshi & D.V. Kothari**

ISBN: 9789389184136 | Year: 2020 | Pages: 314 | Price (₹): 1,850.00

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## DIGITAL INFORMATION LITERACY IN AGRICULTURAL UNIVERSITIES



The present study is a serious attempt to find the Digital Information Literacy (DIL) skills of post-graduate students of the agricultural universities of Punjab, Haryana and Himachal Pradesh using relevant investigation methods and data collection tools and techniques. Descriptive research design with survey method was used with a fact-finding approach. The research methodology followed in this study involved collection and interpretation of data to find causal connections and relations for the existing status of DIL skills on sample of students. Further, the questionnaire method has been adopted as a data collection tool.

A systematic attempt is made to determine various aspects like extent of use of Digital Resources of Information (DRI), proficiency in searching and evaluating DRI, understanding of ethical use of DRI, adoption of DIL in social lives, training needs with regard to DIL and role of the Library and Information Science professionals in the information gathering process from DRI. Questions were framed about the digital information requirements of the students, how effectively and efficiently students locate, evaluate and use information from DRI. In order to enable cross-checking of data for its validity, reliability and consistency, the data was analyzed for various statistical parameters- Frequency Distribution, Percentage, Weighted Index, Karl Pearsons Correlation Coefficient and Pearsons Chi Squared Test.

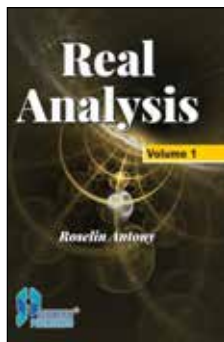
Some related past studies were also consulted and an extensive comparison of the results was made. The results and findings have been presented elaborately and further areas of research have also been identified. This book intends to serve as an important tool for students, teachers, researchers and practitioners in the field of Library and Information Science. This book will be highly useful to the researchers in terms of methodology and findings to conduct similar studies on other groups of users in the country and comparing similar studies done abroad.

**Author: Yogita Sharma**

ISBN: 9789383692507 | Year: 2018 | Pages: 166 | Price (₹): 950.00

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## REAL ANALYSIS

(Vol. 1 & 2)

### Volume-1:

Real Analysis, in general deals with the convergence of sequences and series, continuity, differentiability, Riemann integral, sequences and series of functions, uniformity and interchange of limit operations. It teaches an understanding about theorems and helps in construction of proofs for the theorems. The principal goal of this book "Real Analysis, Volume -1" is to provide the reader with a comprehensive knowledge of Real Analysis. The book has been designed to cater the need and requirement of Undergraduate, Postgraduate and Doctoral students of science, and engineering discipline in University and Colleges. This Real Analysis, Volume- 1 book is intended to provide students, professors, school teachers, technicians, researchers, scientists, mathematicians and engineers with a readily available reference to the essential theorems and their proofs. This book will contribute significantly to academic teaching, scientific research & practical works and it will enormously benefit the students for their preparation of all competitive exams, NET Exams, SLET/SET Exams, UPSC Exams, State Public Service Commission Exams and University Entrance Exam for admission to M.Sc. and Ph.D. programmes in Mathematics.

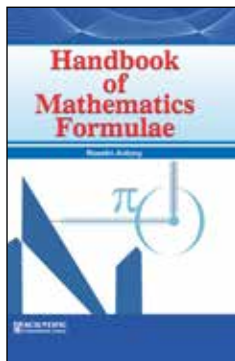
For **Volume-2**, visit our website: [www.scientificpubonline.com](http://www.scientificpubonline.com)

**Author: Roselin Antony**

ISBN: 9789389412956 | Year: 2023 | Pages: 356 | Price (₹): 3,500.00

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## HANDBOOK OF MATHEMATICS FORMULAE

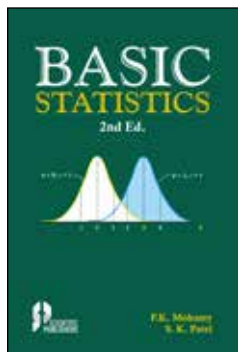


The principal goal of this book Handbook of Mathematics Formulae is to provide the reader with a comprehensive knowledge of fundamental formulae, tables and general information of mathematics and statistics. The book is written in a user-friendly manner to make the material easy to understand by the reader. The book has been designed to cater the need and requirement of Undergraduate, Postgraduate and Doctoral students of science, engineering and business discipline in University and Colleges. This mathematics formulae book is intended to provide students, professors, school teachers, technicians, researchers, scientists and engineers with a readily available reference to the essential mathematics formulae and tables. This book will contribute significantly to academic teaching, scientific research, practical works and for competitive exams preparation.

**Author: Roselin Antony**

ISBN: 9788172338695 | Year: 2014 | Pages: 303 | Price (₹): 1,650.00

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**Authors: P.K. Mohanty & S.K. Patel**

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**Authors: P.K. Mohanty & S.K. Patel**

ISBN: 9789386237996 | Year: 2017 | Pages: 506 | Price (₹): 550.00

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**CSIR-NET GENERAL APTITUDE- A NEW OUTLOOK****(7TH ED.)**

This is the fifth edition of the best seller CSIR - NET General Aptitude - A New Outlook, thoroughly revised with added contents and solution to latest CSIR-NET general aptitude question papers. It is beneficial for all science streams - Mathematical Sciences, Physical Sciences, Chemical Sciences, Life Sciences and Earth Sciences. The book contains topic-wise detailed theory of all topics mentioned in the latest syllabus issued by CSIR, strongly supported by topic wise illustrative examples for clear understanding and topic wise practice questions. NET aspirants will benefit from the sample practice question papers and the tips, tricks and shortcuts for solving quickly.

**Authors: Christy Varghese & Jesse P Francis**

ISBN: 9788192291109 | Year: 2022 | Pages: 616 | Price (₹): 479.00

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**T-CLASSES OF LINEAR ESTIMATORS AND THE THOERY OF SUCCESSIVE SAMPLING**

The book is concerned with the study of different classes of linear estimators in survey sampling, known as T-classes of linear estimators and the theory of successive sampling. The theory of classification of linear estimators in different classes has been developed mainly by Horvitz and Thompson, Godambe, Koop, Prabhu Ajgaonkar, Tikkiwal and the theory of successive sampling by Jessen, Yates, Paterson, Tikkiwal and others. The book presents a detailed study of all the seven T-classes along with the unified theory of unordering. It also discusses the technique of combined unordering and its applications. The chapter on the theory of successive sampling deals with the theory under less restrictive assumptions for finite population, there by making it possible to obtain the main results given in text books on survey sampling, as a special case of the these results. The theory of T-classes along with the theory of successive sampling provide more serviceable estimation procedure based on the time honoured principles of inference than the one provided by Basu, Godambe and others. The material present in this book is meant for one specialised sample survey course in semester scheme for the post graduate students of statistics. Therefore, it can be used as a text book. The book is also useful for research students and faculty engaged in research on theoretical foundations of inference from finite population.

**Author: G.C. Tikkiwal**

ISBN: 9788172336646 | Year: 2010 | Pages: 163 | Price (₹): 1,250.00



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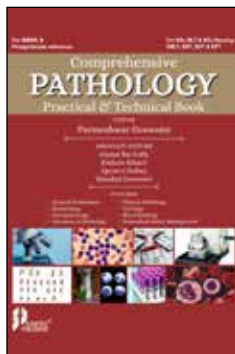
Volume : 46 - 2022

Issues: Current Issue: 1- 4

Frequency: Quarterly



## COMPREHENSIVE PATHOLOGY: PRACTICAL & TECHNICAL BOOK



This book is study guide and workbook for students looking to broaden or refreshen their skills of Pathology. It is useful for who wishes to understand the subject and is a complementary tool to upgrade their knowledge.

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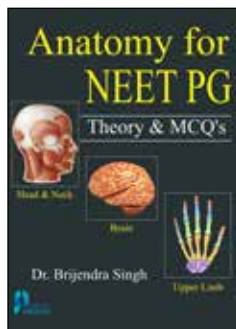
**Authors: Parmeshwar Goswami, Anand Raj Kalla, Kishore Khatri, Apoorvi Dubey & Khushal Goswami**

ISBN: 9789392590313 | Year: 2022 | Pages: 432 | Price (₹): 590.00

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## ANATOMY FOR NEET PG: THEORY & MCQ'S

(VOL. 1-2)

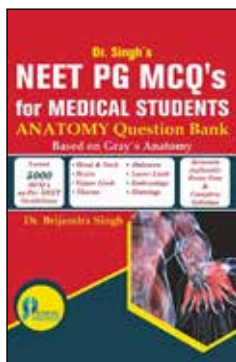


This book is being crafted based on the Anatomy for NEET PG : Theory MCQ s Volume 1 2 latest syllabus and guidelines of NEET PG. Anatomy Theory MCQ s are based on Standard Anatomy Text Books like Gray s, Grant s and Snell s Anatomy. Theory has been covered in small chapters and all points are given in bullet text along with simple diagrams and flow charts. Multiple Choice Questions are based on concepts like clinical application, anatomical and embryological basis of the problems and important surgical relations. Each volume is complete in all aspects and consist of 2500 latest and all new MCQ s along with theory. Each section is sub divided into small chapters like osteology, joints, arteries, nerves and veins on system basis as well as region wise like axilla, arm, forearm, hand, etc.

**Author: Brijendra Singh**

ISBN: 9789386347022 | Year: 2017 | Pages: 900 | Price (₹): 800.00

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*Author: Brijendra Singh*

ISBN: 9789386347039 | Year: 2020 | Pages: 569 | Price (₹): 595.00

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*Author: M.M. Dashora*

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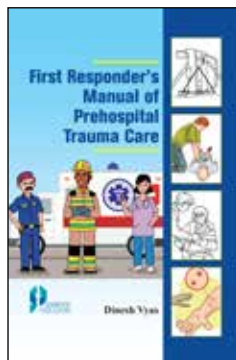
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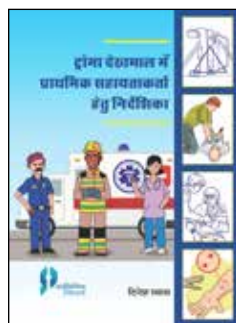
**Contents:** Introduction, 1. Mechanism of Injury, 2. IV Placement, 3. Scene Management and Triage, 4. Vital Signs and Shock, 5. Airway, 6. Immobilization of Trauma Patient, 7. Fractures, 8. Hemorrhage, 9. Industrial and Environmental Trauma, 10. Geriatric Trauma, 11. Chest Injury, 12. Pregnancy, 13. Treatment of Heat Related Injuries, 14. Snake Bites, 15. Definitions, 16. Pediatric Trauma, Appendix - I, Appendix - II

**Author:** Dinesh Vyas

ISBN: 9789392590375 | Year: 2022 | Pages: 202 | Price (₹): 350.00

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## ट्रामा देखभाल में प्राथमिक सहायताकर्ता हेतु निर्देशिका



चिकित्सालय पूर्व आपातकालीन देखभाल में प्राथमिक सहायताकर्ता हेतु निर्देशिका उन सभी विवेकशील, कर्तव्यनिष्ठ नागरिकों के लिए, जो आपातकालीन दुर्घटना के समय अपने सहयोगियों की सहायता करना चाहते हैं, एक उपयोगी एवं सरल शैक्षिक पुस्तिका है। इसके लक्षित पाठक अग्नि शमन कर्मचारी, सुरक्षा अधिकारी पुलिस मैम, शिक्षक, नर्स, वाहन चालक, आपातकालीन चिकित्सा केंद्र के कर्मचारी, चिकित्सा विज्ञान के छात्र शल्य चिकित्सक एवं शल्य चिकित्सा के स्नातकोत्तर छात्र हैं। इस निर्देशिका में लेखकों ने आपातकालीन स्थिति में आने वाले विषयों को सरल एवं आसानी से समझ आने वाली भाषा के माध्यम से समझाया है। साथ ही आम व्यक्ति के लिए प्राथमिक सहायताकर्ता के रूप में काम करने हेतु विस्तृत एवं व्यावहारिक सुझाव सरल रूप से दिये गये हैं।

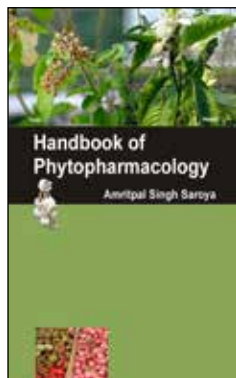


**युद्धकालीन चिकित्सा**

ISBN: 9789387893726 | Year: 2020 | Pages: 219 | Price (₹): 350.00

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## HANDBOOK OF PHYTOPHARMACOLOGY



This book is divided into two parts. Part-I deals with Description of Medicinal Plants and Part-II with Hypericum perforatum L. It describes various medicinal plants used in Ayurveda. It provides indepth knowledge about the plants used in Indian System of Medicine. The plants have been discussed as per syllabus of Dravyaguna (Ayurvedic Pharmacology). Hypericum perforatum Linn., popularly known as St. John's wort, has recently received attention of the medical world. This plant has been desc-ribed in detail with Chemical Composition with various uses. The book will serve as useful guide for students and practitioners of Ayurveda.

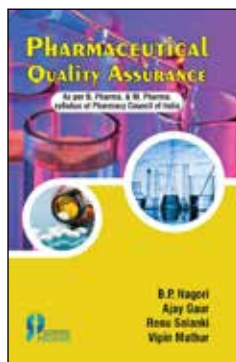
**Contents:** Part I - Description of Medicinal Plants Part II - L. - Introduction; Chemical composition; Hypericum perforatum and cardiovascular system; Hypericum perforatum and integument system; Hypericum perforatum and nervous system; Hypericum perforatum and digestive system.; Hypericum perforatum and cancer; Hypericum perforatum and postmenopausal syndrome; Antiviral studies of Hypericum perforatum and hypericin; Hypericum perforatum and immunity; Hypericum perforatum and inflammation; Pharmacokinetics of hypericin and hyperforin; Drug interactions of Hypericum perforatum; Adverse drug reactions and toxicity of Hypericum perforatum; Investigations of other Hypericum species.

**Author:** *Amritpal Singh Saroya*

ISBN: 9788172335526 | Year: 2019 | Pages: 264 | Price (₹): 1,350.00

## PHARMACEUTICAL QUALITY ASSURANCE

As per B. Pharma & M. Pharma syllabus of Pharmacy Council of India



This book is on Pharmaceutical Quality Assurance meant for Master of Pharmacy (M. Pharm.) and Bachelor of Pharmacy (B. Pharm.) students. The book presents the basic concepts of Total Quality Management (TQM), Good Manufacturing Practices (GMP), Good Laboratory Practices (GLP), Validation and Calibration. It describes detailed guidelines on GMP, GLP and Validation for pharmaceuticals. The book consists of four chapters, question bank and supporting material. The first chapter deals with concepts and philosophy of TQM, GMP and GLP. The second chapter discusses the guidelines on Good Manufacturing Practices (GMP) for pharmaceuticals. The third chapter describes guidelines on Good Laboratory Practices (GLP) useful in the testing of drugs and pharmaceuticals. Detailed guideline on validation is presented in the fourth chapter. Important questions and answers on each chapter are provided in the question bank. The supporting material gives additional sources of learning to the readers in the form of glossary, points to ponder, did you know? and web links/ further reading.

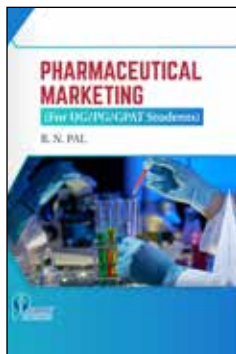
**Authors:** *B.P. Nagori, Ajay Gaur, Renu Solanki & Vipin Mathur*

ISBN: 9789387307131 | Year: 2020 | Pages: 268 | Price (₹): 290.00

**Best Selling**



## PHARMACITICAL MARKETING



This book is based on the syllabus provided by PCI and various Universities. It is written in clear lucid manner to cover theoretical and practical aspects of marketing. It will help the graduate and post graduate students of Marketing Management. Research workers and teachers of management may also get helps from this book. I believe various types of case studies would make this book easy to understand. Updated knowledge on Pharma marketing help the beginners to perform their jobs in well and efficient manner those who will choose the marketing profession.

### Contents:

Chapter 1: Marketing

Chapter 2: Pharmaceutical Marketing

Chapter 3: Product Decision

Chapter 4: Product Promotion

Chapter 5: Pharmaceutical Marketing Channels

Chapter 6: Professional Sales Representative (PSR)

Chapter 7: Pricing

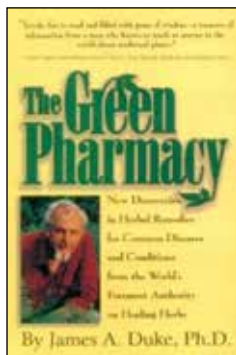
Chapter 8: Emerging Concepts in Marketing

**Author: J.A. Duke**

ISBN: 9789392590764 | Year: 2023 | Pages: 110 | Price (₹):

**In Press**

## THE GREEN PHARMACY



Thousands of safe, natural remedies lie untapped in jungles, forests and herbal gardens throughout the world. Now America's foremost authority on medicinal plants and herbs shares his knowledge of these hidden reserves of healing power. For Arthritis : A new, all-natural remedy that can cut pain in half. For Back Pain : A fruit that has anti-inflammatory properties to produce long-term relief. For Your Heart : An herb that opens up clogged arteries and lowers blood pressure, with none of the side effects of prescription drugs. For High Cholesterol : A tasty grain that has three times more cholesterol-lowering power than oat bran. For Migraines : An herb that has the power to eliminate the blurred vision and debilitating pain of these monster headaches. For Mood Swings : A common food that shares the power of Prozac to boost the brain's level of feel-good serotonin. For Osteoporosis : A prime plant source of calcium that vastly enhances protection against bone depletion. For Wrinkles : An herbal lotion that has the skin-clearing, wrinkle-reversing power of alphas-hydroxy acid but costs only pennies.

**Author: J.A. Duke**

ISBN: 9788172333133 | Year: 2002 | Pages: 528 | Price (₹): 3,350.00

## ANIMAL HUSBANDRY: RESEARCH, EDUCATION AND DEVELOPMENT

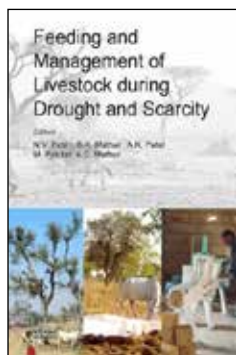


Livestock industry is vital in providing nutritive food rich in animal protein, supplementing family incomes and generating gainful employment for rural India, particularly among the small, marginal farmers, landless laborers and women. With the livestock and its allied sub-sectors assuming an important role in the national economy, there is a requirement to improve the present knowledge and information dissemination to students, teachers, planners and farmers. Prominent features of this book include vast coverage of the events from pre-independence to post-independence period in the areas of policy planning, research and development activities in veterinary, animal husbandry and animal sciences leading to white revolution, green revolution, egg revolution, pink revolution and taking India at number one position in milk production, third in egg production, and fifth in meat production globally, with a mix of public-private partnership, technology adoption, policy support and political will. The book is easily understandable with factual information making it an excellent reference book. Animal Husbandry is directed to veterinary and agricultural students under the same faculties in Forestry and Horticulture. The book is recommended for teachers, research scientists, PG and UG students in disciplines including animal health, reproduction and production, encompassing animal nutrition, livestock products technology, animal genetics and breeding, and veterinary medicine.

**Authors: P.N. Bhat & M.P. Yadav**

ISBN: 9789386652218 | Year: 2020 | Pages: 280 | Price (₹): 2,150.00

## FEEDING AND MANAGEMENT OF LIVESTOCK DURING DROUGHT AND SCARCITY



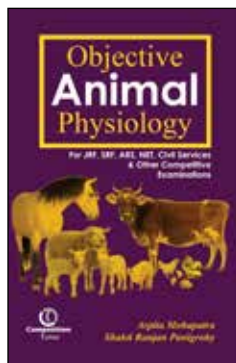
This book attempts to address the issue of management in terms of feeding livestock for production and health in drought period. The chapters included in the book elucidates the management of feeding, feed resources, production and health so as to make the livestock production economical. It is hoped that the compilation will prove useful for the researchers, planners and policy makers to understand the causes for the loss of productivity and health of livestock in drier regions and help in devising management plans towards sustenance and improvement of production. The contributions from the researchers and experts from National Research Institutions, Government organizations and Universities working in the dry areas will be useful to all concerned, including the professionals of animal husbandry.

**Authors: N.V. Patil, B.K. Mathur, A.K. Patel, M. Patidar & A.C. Mathur**

ISBN: 9788172336479 | Year: 2021 | Pages: 336 | Price (₹): 1,950.00



## OBJECTIVE ANIMAL PHYSIOLOGY : FOR JRF, SRF, ARS, NET, CIVIL SERVICES & OTHER COMPETITIVE EXAMINATIONS



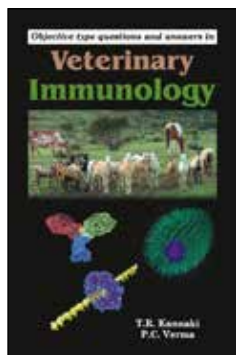
This book directly deals with students of Animal Physiology and is also helpful for students of Veterinary Sciences. The book will help the students to boost their confidence before ICAR (NET), ARS and SRF examination as it is a complete hand book that covers course outline of all these examinations in the discipline of Animal Physiology. The book covers almost 1400 questions in the subject category of Animal behaviour, growth, climatology, blood, circulatory system, cell physiology, digestive physiology, respiratory and excretory system, reproductive system, nervous system, endocrine physiology, lactation and sense organ. **Contents:** 1. Behavior, Growth and Climatology, 2. Blood and Circulatory system, 3. Body fluids and Cell physiology, 4. Digestive system, 5. Endocrine system and Lactation physiology, 6. Respiratory and Excretory system

**Authors:** *Arpita Mohapatra & S.R. Panigrahy*

ISBN: 9789386652461 | Year: 2018 | Pages: 127 | Price (₹): 150.00

**Competative Exam**

## OBJECTIVE TYPE QUESTIONS AND ANSWERS IN VETERINARY IMMUNOLOGY



Our book entitled Objective type questions and answers in Veterinary Immunology comprehensively covers all the chapters of immunology. This will serve as a question bank for students engaged in the preparation of various competitive exams like CSIR-NET, ICMR, UGC-NET and Semester exams in various universities. This book has been designed to help the students in coping up with the current system of evaluation, which includes multiple-choice questions, fill in the blanks, true/false and matches. More than 1500 objective type questions have been compiled under various chapters for quick and effective revision.

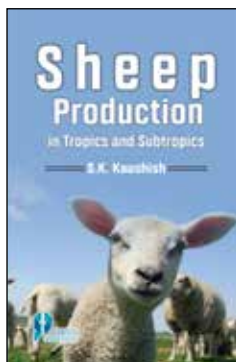
**Contents:** 1 Overview of immune system, 2. Cells and organs of immune system, 3. Antigens, 4. Antigen processing and presentation, 5. Structure and function of antibodies, 6. Major histocompatibility complex 7. Immunoglobulin gene rearrangement, 8. Lymphocytes, 9. T and B cell maturation, activation and differentiation, 10. Cell mediated effector responses, 11. Complement system, 12. Cytokines, 13. Microbial immunity, 14. Vaccines, 15. Mucosal Immunity, 16. Tolerance/Immuno regulation, 17. Clinical immunology, 18. Immunomodulation, 19. Immunodeficiency disease, 20. Hypersensitivity, 21. Autoimmunity 22. Transplantation immunology, 23. Tumor immunology, 24. Evolution of immune system, Appendix

**Authors:** *A.K. Meena , S.L. Godara & P.N. Meena*

ISBN: 9789389832051 | Year: 2022 | Pages: 124 | Price (₹): 275.00

**Competative Exam**

## SHEEP PRODUCTION IN TROPICS AND SUBTROPICS



The aim of this book is to collect all available informations about sheep production to improve traditional methods. Most of the previous sheep books have concentrated on wool, but the emphasis in the present book is more in lamb with trend of the increasing importance of meat and milk from sheep. It is hoped that this book will be able to fill a gap in the literature for the students of sheep production, working for their graduate and post-graduate degrees in the field of veterinary and agricultural sciences. It is hoped that the book should also meet the need of the great number of those with veterinary and agricultural degrees in every walk of life-farmers and advisors alike. It is also hoped that it will provide reference materials and additional self study guide for research workers and veterinary practitioners.

Contents:

Preface, Foreword, 1. General View, 2. Housing, 3. Establishment, Migration And Farm Calender, 4. Sheep And Lamb Management, 5. Reproduction, 6. Embryo Technology, 7. Wool, 8. Pelt Production, 9. Mutton Production, 10. Milk Production, 11. Health Management, 12. Nutrition, 13. Pasture And Forages, 14. Economics, 15. Farm Records, 16. Appendix, 17. References.

**Author: S.K. Kaushish**

ISBN: 9788172330729 | Year: 2022 | Pages: 384 | Price (₹): 1,850.00

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## GROUND WATER MANUAL : A WATER RESOURCES TECHNICAL

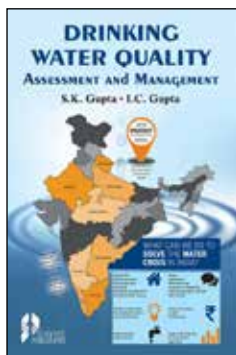


This manual has been prepared as a guide to field personnel in the more practical aspects and commonly encountered problems of ground-water investigations, development, and management. Information is presented concerning such aspects as ground-water occurrence and movement, well-aquifer relationships, ground-water investigations, aquifer test analyses, estimating aquifer yield, data collection, and geophysical investigations. In addition, permeability tests, well design, dewatering systems, well specification and drilling, well sterilization, pumps, and other aspects have been discussed. An extensive bibliography has also been included. The manual has been developed over a period of years, and its many contributors have diversified technical backgrounds. Contributors include personnel from the JBureau of Reclamation Engineering and Research Center (now Technical Service Center) and field offices, other agencies, foreign governments, and many individual scientists and engineers.

**USDI**

ISBN: 9789383692828 | Year: 2018 | Pages: 661 | Price (₹): 3,450.00

## DRINKING WATER QUALITY ASSESSMENT AND MANAGEMENT

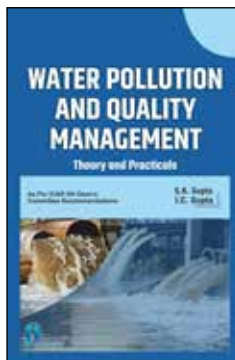


Sustainable Development Goal 6 (SDG 6) of the UN General Assembly states that Governments to ensure availability and sustainable management of water and sanitation for all . It concentrates on all aspects of the water cycle: water; water resources management; water-use efficiency; water quality; waste water management; sanitation and health; and protecting freshwater ecosystems . Contrarily, we daily witness the most perplexing paradox of merciless waste and pollution of water despite being aware that water is inadequate and is not going to last for long. Water inadequacy, be it physical, economical or quality related, is spreading fast to cover every continent. Although allocation of water to domestic sector in terms of total water use is quite less yet as per United Nations statistics water is impacting over 2 billion people who live in countries experiencing high water stress and about twice this number experience water scarcity at least for a month every year. The current book dwells upon the water quality issues and its impact on water supply scenario in general and domestic sector in particular. The book has been divided into seven chapters namely: Water Resources: Supply and Demand; Water Pollution; Water Quality Parameters and Standards; Laboratory Analysis of Water Samples; Raw Water Treatment; Treatment of Polluted Water; and Tips for Water Conservation.

**Authors: S.K. Gupta & I.C. Gupta**

ISBN: 9789389184372 | Year: 2020 | Pages: 273 | Price (₹): 1,850.00

## WATER QUALITY POLLUTION AND MANAGEMENT



As per ICAR 5th  
Dean's Committee  
Recommendations



Declining water quality resulting from increasing human population, expansion of industrial and agricultural activities, and projected climate change is a major global issue of concern of the 21st century. UN's Sustainable Development Goal 6 has brought water quality issues to the forefront. The Goal 6 briefly states that international communities should strive to achieve universal and equitable distribution of safe drinking water. It urges communities to reduce water pollution, minimize release of hazardous chemicals and protect and restore water quality ecosystems. Contrarily, ecosystems are being mercilessly polluted. In fact, water pollution has now turned out to be one of the major causes of water inadequacy because it makes the water unfit for its intended uses. Nonetheless, a ray of hope is emerging in the academic world. Subjects related to environment and water quality are being introduced at school, undergraduate and post graduate levels to sensitize the people at the young age. Such an exercise will also help in equipping the future human resource for taking up the challenging issues of water quality. In this context 5th Dean's committee constituted by Indian Council of Agricultural Research has framed several courses on water quality to be taught to the students of agricultural engineering, agriculture, and horticulture. This books deals with the theory and laboratory exercises of one such course namely "The water quality pollution and management".

*Authors: S.K. Gupta & I.C. Gupta*

ISBN: 9789394645127 | Year: 2023 | Pages: 332 | Price (₹): 2,550.00

In Press



## Invitation to Authors

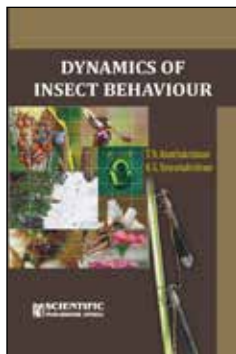
**Textbooks | Competitive Exams | Laboratory Manuals**

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Forestry | Pharmacy | Water | Zoology**

**CSIR UGC NET | ICAR-ARS | FCI | IFS | JET  
JRF | NEET | NET | RPSC | SRF**

For more details, visit Resources page on our website  
[www.scientificpubonline.com](http://www.scientificpubonline.com)

## DYNAMICS OF INSECT BEHAVIOUR

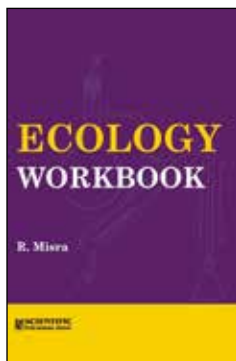


In this book, state of art situation in patterns of behaviour is presented by the authors, each with expertise in respective fields on diverse aspects such as pollination, predation and parasitism, forest and agricultural pests, besides the dynamics of aquatic insects in general and dragonflies in particular, in addition to insect vectors of diseases. The need for an appreciation of the differentiation processes controlling growth and development of plant galls has been adequately emphasised, these galls representing highly regulated growth manifestations of plants, ensuring nutrition and shelter for the insects concerned. Behavioural shifts of insects due to current climatic changes and their implications in insect conservation and control are also highlighted. This book will be relevant to the undergraduate and particularly graduate students taking courses in insect ecology and evolution, conservation biology and environmental management as well as to committed researchers in these fields in addition to conservation practitioners eager to have a comprehensive background of the multifaceted aspects of insect behavioural dynamics.

**Authors: T.N. Ananthakrishnan & K.G. Sivaramakrishnan**

ISBN: 9789388043304 | Year: 2019 | Pages: 212 | Price (₹): 675.00

## ECOLOGY WORKBOOK

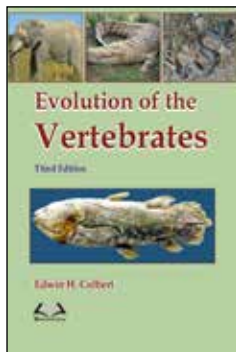


The workbook is based on the concept of ecosystem, the structural and functional unit of ecology. The main contention of the author to provide better understanding and evaluation of the flow of energy and cycling of water and minerals to the three major plant ecosystems viz. grass, forest and freshwater. The exercises are given separately for each of the three ecosystems. During their exercise the are likely to reveal the biological basis of organic productivity. The exercise presented in the workbook will lead to better comprehension of the concept of ecosystems. First practice of the exercise on grassland and the laboratory which is likely to equip the worker with knowledge and confidence to move on to the forest or the freshwater areas for study. The other corresponding topics of the three ecosystems has the advantage of comparing and bringing the structural and functional differences between the ecosystems. The work book is useful for under graduates, post graduate students and researcher of Ecology, Botany, Zoology and Environmental Studies.

**Author: R. Misra**

ISBN: 9788172338053 | Year: 2021 | Pages: 244 | Price (₹): 1950.00

**Best Selling**

**EVOLUTION OF THE VERTEBRATES****(3RD ED.)**

Four-hundred-million years of vertebrate evolution are chronicled and described in this internationally acclaimed work which was first published in 1955 and has since come to be known as a classic in the field. Written as a general exposition of the subject, rather than as a compendium of data, it presents the evolution of the backboned animals from two perspectives: through time, and through the separate evolutionary histories of the great classes and lesser divisions of the vertebrates. This latest edition is the result of important advances in the field in the form of valuable new interpretations of vertebrate evolution and significant new discoveries of fossils throughout the world. Included is a discussion of past continental relationships according to the modern theory of Plate Tectonics and the bearing of such relationships on the evolution and distribution of tetrapods. Many new illustrations have been added and some of the originals have been revised to help make Evolution of the Vertebrates and up-to-the-minute, comprehensive, and authoritative reference for professionals, students, readers alike.

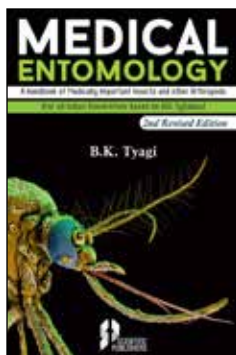
**Author: E.H. Colbert**

ISBN: 9789383692255 | Year: 2021 | Pages: 510 | Price (₹): 2,995.00

**Best Selling**

**MEDICAL ENTOMOLOGY****(2ND ED.)**

**(For all Indian Universities Based on UGC Syllabus)**



**(For all Indian Universities based on UGC syllabus)**

The science of Medical Entomology has during past few decades undergone a sea change both in its extent and depth of knowledge, on one hand, and unique treatment, on the other. Currently, it embodies a plethora of biomedical and associated au fait that concern directly or indirectly the health of humans, but, to some extent, also the animals. In conclusion our familiarity with the medically important insects and allied arthropods has eventually extended enormously embracingbiomedicine, bioengineering, pharmacology andas food and feed research. This Handbook of Medical Entomology offers a detailed information on all kinds and levels of vector-borne and zoonotic infections, besides an uncanny description of all other pestilent, poisonous and allergic insects with a precise prescription of medication, too. It is hoped that with all the above relevant changes and additions, the book now is a complete reference for the assistance of UG, PG and Research Scholars at the university and/or medical college level in consistence with their curricula.

**Author: B. K. Tyagi**



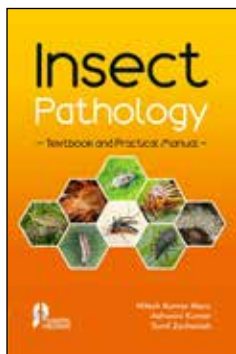
ISBN: 9789389832365 | Year: 2022 | Pages: 280 | Price (₹): 650.00

**New Release**



## INSECT PATHOLOGY TEXT BOOK AND PRACTICAL MANUAL

### Textbook and Practical Manual



This text book and practical manual is written keeping in mind a broad spectrum of readers. It will help graduate level students, lecturers of this subject, entomopathologist, microbiologists, and researchers supplementing information about basics of insect pathology. Because this book acts as a dossier of the available information, its utility as a textbook as well as practical manual for an insect pathology class is evident. Comprehensive literature citations extended for those, who wish to obtain further information. Authors have tried to cover all sub-disciplines of the subject, but shortcomings are unavoidable.

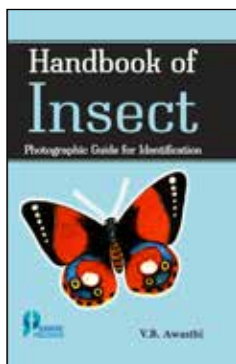
**Contents:** **Theory-** 1. Introduction, 2. History of insect pathology, 3. Infection of insects by various pathogen, 4. Concept of Epizootiology, 5. Defence mechanisms in insects against pathogens, 6. Mass production techniques of pathogens, 7. Safety and registration of microbial pesticides in India, 8. Use of insect pathogens in IPM,

**Practicals-** 1. Equipment used and safety measures to be observed in insect pathology laboratory, 2. Identification and symptoms of infection – bacterial insect pathogens, 3. Identification and symptoms of infection – fungal insect pathogens, 4. Identification and symptoms of infection – viral insect pathogens, 5. concept of pathogen load, 6. Extraction, Isolation and Culturing of fungal pathogens from live or dead insect/organism, 7. Extraction, Isolation and Culturing of bacterial pathogens from live or dead insect/organism, etc.

**Authors:** *Nitesh K. Maru, Ashwani Kumar & Sunil Zachariah*

ISBN: 9789388812818 | Year: 2020 | Pages: 143 | Price (₹): 995.00

## HANDBOOK OF INSECTS: PHOTOGRAPHIC GUIDE FOR IDENTIFICATION



In this book an attempt has been made to provide correct and quick identification of common insects of Asia, America, Africa and Australia for the beginners as well as graduate students of zoology and entomology by telling about the insects. Collected and to those of given in this guide and this field and class-room both for the identification. This guide will stimulate nonzoologists/ entomologists too who have colourful flowers and beautiful insects. This book is also useful to those who are not biologist but general people but watch/see insects found around them and have curiosity to know about them just like colourful flowers in a large part of the globe. The insects have been classified up to orders. For more detailed classification student must consult advanced books of entomology.

**Author:** *V.B. Awasthi*



ISBN: 9789388172783 | Year: 2019 | Pages: 193 | Price (₹): 3,250.00

**INSECT PHYSIOLOGY (21ST CENTURY BIOLOGY AND AGRICULTURE: TEXTBOOK SERIES)**

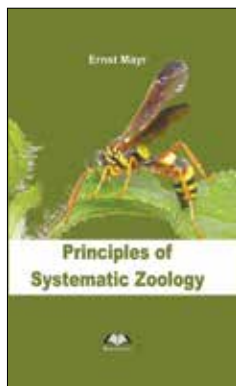
This textbook contains important, comprehensive and in-depth account of all aspects of insect physiology, providing wherever necessary also the fundamental knowledge of the various systems. Although it is aimed as a resource material for postgraduate students of entomology, it would serve as an essential reference source for invertebrate physiologists and neurologists, entomologists, zoologists and insect biochemists. To achieve this goal, extensive references have been made to several textbooks and reviews, to a few research papers dealing with applied aspects of insect physiology and the resources available over the net.

The first chapter deals with the anatomical and physiological attributes of the integument conferring insect success with a discussion on the use of the chemical properties of the cuticle to design novel molecules to control insect pests. The chapter also indicates that the structural design of the cuticle could itself be applied in the field of material science to develop hard structures which can withstand the harshness of the environment. Chapter two discusses the diversity in growth and life cycle patterns in insects.

**Author:** *K.P. Sanjayan*

**Series Editor:** *Anantanarayanan Raman*

ISBN: 9789388148009 | Year: 2018 | Pages: 698 | Price (₹): 550.00

**PRINCIPLES OF SYSTEMATIC ZOOLOGY**

This text is intended for senior or postgraduate courses in systematics, particularly animal taxonomy. Practical suggestions for taxonomic practice are included and explanations of the basic concepts of taxonomy are emphasized as well as the definition of traditional terms used in taxonomy. The treatment of taxonomy is in two parts. Part A is devoted to microtaxonomy and Part B is devoted to macrotaxonomy. There is a new chapter on the methods of numerical taxonomy, and an extensive treatment of the new approaches in taxonomy synopsis may belong to another edition of this title.

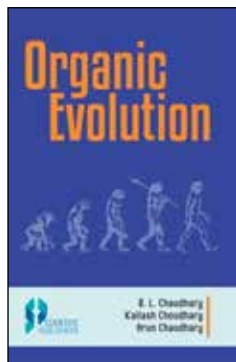
**Contents:** The Science of Taxonomy, 1. Principles of Zoological Classification, The Species Category; The Polytypic Species; Population Systematics and Intraspecific Categories; Theories of Biological Classification and the Higher Taxa, 2. Methods of Zoological Classification, Taxonomic Collections and the Process of Identification; Taxonomic Characters; The Qualitative and Quantitative Analysis of Variation; Taxonomic Decisions on the Species level; The Procedure of Classifying; Taxonomic Publication

**Author:** *Ernst Mayr*

ISBN: 9789383692279 | Year: 2022 | Pages: 428 | Price (₹): 2,650.00

**New Release**

## ORGANIC EVOLUTION



### Contents:

1. Early earth and the origin of life
2. Evolutionary theories and evidences in favour of evolution
3. The Mechanism of evolution
4. The Origin of species
5. Molecular evolution and Phylogenies
6. Vertebrate evolution and diversity
7. Origin and Evolution of Angiosperms

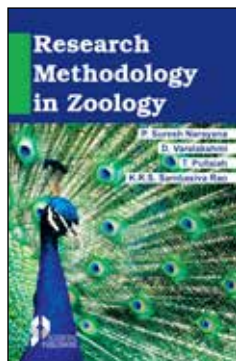


**Authors: B.L. Chaudhary, Kailash Choudhary & Arun Chaudhary**

ISBN: 9789387893870 | Year: 2019 | Pages: 229 | Price (₹): 1650.00

**Best Selling**

## RESEARCH METHODOLOGY IN ZOOLOGY



The book comprises of different chapters associated with methodology in Zoology all at one place, describing in detail in a simple and comprehensive way. The importance of creativity and motivation in research, the planning and proposal of research project, the description of different techniques involved in animal research are described in an elaborate way. The book is also a source of different aspects of research methodology in animal science dealt with in a comprehensive manner tailored to the needs of postgraduate students/ research scholars for easy understanding. The book is profusely illustrated. This book is intended for providing an overall understanding about the basics of research methodology associated with research, management of scientific information, and all about the communication of findings of research in Zoology. The book also serves as a good reference as well as a text book for PG students as well as research scholars in Animal Science working for their M.Phil. and Ph.D. for understanding the different facets of the process of scientific research.

**Contents:** 1. Research Methodology, 2. Centrifugation, 3. Electrophoresis, 4. Spectrophotometry, 5. Chromatography, 6. Polymerase Chain Reaction (PCR), 7. Chemical Analysis of Animal Tissues, 8. Animal Culture Techniques, 9. Water Pollution, 10. Environmental Impact Assessment ..... 17. File Transfer Protocol

**Authors: P.S. Narayana , D. Varalakshmi , T. Pullaiah & K.R.S. Sambasiva Rao**

ISBN: 9789386652355 | Year: 2018 | Pages: 395 | Price (₹): 2950.00

**Best Selling**

## WILDLIFE ECOLOGY AND CONSERVATION (21ST CENTURY BIOLOGY AND AGRICULTURE: TEXTBOOK SERIES)



This book on Wildlife Ecology is designed to be used as a textbook for college and university students for courses on Wildlife Ecology, Wildlife Management and Conservation Biology. Examples are drawn from the tropics where biodiversity is rich, and where natural habitats and wildlife are seriously affected by the increasing human population. Applications of remote sensing and geographic information system, and camera trapping of wild and elusive animals are introduced to students to equip them to be able to take up professional career in wildlife research, management and conservation, using modern tools and trends in ecological sciences.

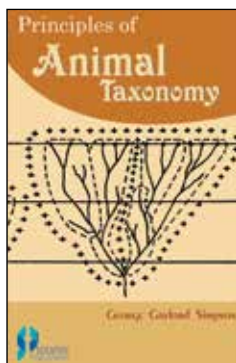
**Author:** *M. Balakrishnan*

**Series Editor:** *Anantanarayanan Raman*

ISBN: 9788172339746 | Year: 2023 | Pages: 446 | Price (₹): 2,650.00

**Best Selling**

## PRINCIPLES OF ANIMAL TAXONOMY



This book provide the entire information required for the taxonomist. The author tried something much more ambitious and tried to examine the deepest foundations of taxonomy and to build up from those foundations the structures of zoological classification. Further characterization of the subject matter is made at the beginning of chapter I, where it is more likely to be read, and the book before you demonstrate for itself what has been made to the subject. All types of Systematics, Taxonomy, Classification, Nomenclature, The development of Modern Taxonomy, Taxonomic Evidence and Evolutionary Interpretation, From Taxonomy to Classification and the classification of species in Lower and Higher categories have been included. The complete classic text is written in simple language and lucid treatment of the subject shall make this book easily readable and highly useful. This book shall serve as text cum reference book for students, teachers and researchers and for all those interested in Taxonomy.

**Contents:** 1. Systematics, Taxonomy, Classification, Nomenclature, 2. The Development of Modern Taxonomy, 3. Taxonomic Evidence and Evolutionary Interpretation, 4. From Taxonomy to Classification, 5. The Species and Lower Categories, 6. Higher Categories- What is a Higher Category, Bases for Recognition of Higher Taxa, Definitions and Characteristics of Higher Categories, Analysis of Some Phylogenetic Patterns.

**Author:** *G.G. Simpson*

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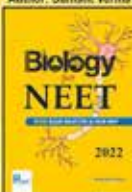
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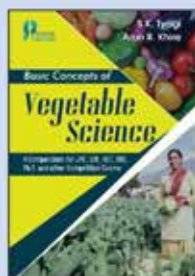
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