

Economic Zoology By Shukla

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A Handbook on Economic Entomology - Abhishek Shukla
2015-01-01

This book aims to provide up-to-date information's on economic aspects of insects, because they are always considered as harmful by mankind. But it is quite interesting to note that there are various insects which are of economic importance and they provide useful product. This book covers selected subjects/topics which are useful for students, researchers and for those working on various aspects of economic entomology.

Economic Zoology - G Shukla, Dr 2014-05-14

1. Parasitic Protozoa and Human Diseases 2. Phytoparasitic Nematodes and their Control 3. Zooparasitic Helminths and their Control 4. Mites and Ticks and their Control 5. House Hold Insects 6. Insect Pests of Some Crops of Economic Importance 7. Insect Pest Management 8. Apiculture 188-201 9. Lac Culture 202-211 10. Sericulture 212-233 11. Prawn Fishery 234-246 12. Pearl Culture 247-253 13. Edible Freshwater Fishes 14. Fish Culture 15. By-products of Fishing Industry 16. Snakes and Snake Venom 17. Poultry 18. Economic Importance of Mammals 19. Piggery 20. Dairy

Industry 21. Leather Industry 22. Wool Industry 23. Fur and Fur Industry 24. Pharmaceuticals from Animals 25. Rats and Their Control 26. Wild Life in India and its Conservation 27. AIDS

Methamphetamine - Rashi K. Shukla 2016-07-05

"Methamphetamine: A Love Story presents an insider's view into the lived experience of immersion in the world of methamphetamine. In-depth interviews were conducted with 33 adults formerly immersed in using, dealing, and manufacturing. Detailed accounts bring insight into the intoxicating aspects of the lifestyle including sex, money, power, and the ability to create methamphetamine. Social networks and environment play an important role in shaping and influencing drug-related decisions. The transformation of the lifestyle from one that is intoxicating to one that becomes risky and ultimately dark explains the unsustainability and the challenges exiting the life"--Provided by publisher.

A Textbook of Economic Zoology - Aminul Islam 2016-03-30
Provides comprehensive coverage of economic zoology. Each chapter presents the discussion of the topics in a scientific way, accompanied with relevant diagrams and

pictures. Each chapter is followed by a set of short, descriptive and multiple-choice questions. It also contains a set of key points to help students retain the information.

Science of Wood Degradation and its Protection - R. Sundararaj 2022-04-28

This edited book covers all aspects of wood degradation from its formation and growing in trees to its end usages when it is put into human usage. Wood is an age-old traditional fascinating material with a sensory-rich immersive experience that kindles aesthetics and creativity. The utility, durability, and functionality of wood render it a cosmopolitan material. It constitutes an integral part of human lives from ancient times to modern societies being used by various sectors viz., construction, furniture, panel products, paper and pulp, sports goods, agricultural implements, etc., Wood, being a biological material, is susceptible to degradation both by physical and biological means, and the need to protect the wood and prevent heavy economic losses constitutes a major challenge. Also, wood formed by the trees is the major sinks of carbon and the carbon remains locked-up for the life of the wood, thereby serving as important tool to mitigate the climate change. But the carbon stored in wood returns to the atmosphere when it degrades and will have positive effect on climate change. Hence, wood protection aiming for extending the service life of wood plays a key role in locking the carbon for a longer period in the wood and also substantially reduce the demand and depletion of forest resources. The book focuses on wood as an important natural bio-resource, inventory of wood protection, usage, utilization, preservatives, protection technologies and wood protection from all

forms of degradation. Special focus is given on the eco-friendly way of protecting wood and its importance in mitigating climate change. The book is useful for Indian and international readers, who are working in wood domains. It is of interest to wood technologists, teachers, researchers, climate change scientists, capacity builders, and policymakers. It is of immense importance as a guide and study material to the graduate and postgraduate students of wood science in various universities of India and abroad.

Fish & Fisheries - Pandey K

Economic Zoology - 2006

Polyphagous Pests of Crops - Omkar 2021

Polyphagous pests are primarily agricultural pests that feed on economically important agricultural and horticultural crops of wide taxonomic diversity across the globe. They cause immense damage across different crop varieties owing to their generalist and voracious food habits. The advent of mono-crop culture in a huge area and the massive use of pesticides post green revolution have massively increased pest outbreaks all over the world. The Middle Eastern countries, African continent and even the Indian subcontinent is increasingly facing resurgences of polyphagous pests. This book compiles an inclusive account of polyphagous pests. It covers locusts, termites, aphids, whiteflies, mealybugs, scale insects, gram pod borer, fall armyworm, thrips, mites and rodents. The book discusses mode of spread, enormity of losses caused, mechanism of action, and also means to reduce the crop losses. It brings together a unique perspective for researchers to learn effective pest management practices across all crops.

This book is a reference guide to researchers and also useful for academicians and students of entomology. .

Pests and Their Management - Omkar 2018-08-01

This book comprehensively compiles information on some of the major pests that afflict agricultural, horticultural and medicinal crops in particular as well as many polyphagous pests. Not only does this book deal with the pests of common globally produced crops it also addresses those of rarely dealt with crops such as seed spices, medicinal and aromatic plants. While the perspective of insect pests is largely Indian and South East Asian in context, the book does deal with globally problematic pests, particularly polyphagous ones. Not only will the readers be acquainted with the pests, their damaging potential and their life cycle but also with the latest methods of managements including ecofriendly measures being employed to keep pest populations at manageable levels. The 27 chapters in the book, are grouped into four sections primarily based on crop types, viz. pest of agricultural, horticultural and medicinal crops, and polyphagous pests, making the book easy to navigate. Each of the chapters is comprehensive and well illustrated and written by academicians who have dedicated their entire lives to the study of a particular crop-pest complex. The final chapter of this book provides an overview on the principles and processes of pest management.

Economic Zoology Biostatistics and Animal Behaviour - G. S. Shukla 2009

1. Economically Important Phytoparasitic Nematodes 2. Insect Pests of Some Economically Important Crops 3. Some Important Parasites and Pests 4. House Hold Insects 5. Mites and Ticks 6. Apiculture 7. Lac Culture 8. Sericulture 9. Edible Fresh Water Fishes 10. Fish

Culture 11. Economic Importance of Fish 12. Fish Diseases 13. Poultry 14. Dairy Farming 15. Rat Menace and Its Control
BIOSTATISTICS 1. An Introduction to Biostatistics 2. Graphic Representation of Frequency Distribution 3. Measures of Central Tendency 4. Measures of Validity 5. Normal Distribution Log/ Antilog Tables
ANIMAL BEHAVIOUR 1. Introduction and Significance of Study of Animal Behaviour 2. Concepts and Patterns 3. Approach and Methods 4. Communication 5. Reproductive Behaviour in Animals: Courtship and Mating 6. Aggressive and Territorial Behaviour 7. Parental Behaviour 8. Behavioural Genetics

Cell And Developmental Biology - 2004

CELL BIOLOGY 1. The Cell 2. Microscopy 3. Protoplasm 4. Cell Membrane 5. Mitochondrion 6. Golgi Complex 7. Endoplasmic Reticulum 8. Ribosomes 9. Lysosomes 10. Centrosome 11. Plastids 12. Cilia, Flagella and Basal Bodies 13. Nucleus 14. Chromosomes 15. Nucleic Acids 16. Cell Reproduction : Mitosis 17. Cell Reproduction : Meiosis 18. Biology of Cancer 19. Cellular Basis of Immunity
DEVELOPMENTAL BIOLOGY 1. Historical Perspective, Aims and Scope of Developmental Biology 2. Gametogenesis 3. Fertilization 4. Types of Patterns of Cleavage 5. Blastulation and Fate Maps in Frog and Chick 6. Gastrulation in Frog.

Animal Behaviour - Dr. V. K. Agarwal 2018

Microbiology - P. D. Sharma 2005

Applied and Economic Zoology - Dinesh Kumar Nazne Ashok Kumar Rathoure 2015-01-01

Recently Applied and Economic Zoology has been included in national syllabus by UGC for undergraduates. The book examines insect pests, animal pests, natural enemies,

beneficial insects, beneficial animals, agricultural chemicals and more. The current book is blueprint for undergraduate students to aware about our natural wild life and its economic importance. The book contains four chapters with illustrations and boxed materials. In the chapter 1, we have covered parasitology, in which we have deliberately discussed about parasites of domestic animals and human, structures, life cycles, pathogenicity, diseases, symptoms and it control. In chapter 2, we consciously talk about vectors and pests. Here, we covered life cycle and control of pest and vectors such as Gundhi bug, Sugarcane leafhopper, Rodents, Termites and Mosquitoes. Chapter 3 is about animal breeding and animal cultures. In this, we started with basic introduction about breeding and culture, difference between them and then detailed discussion about Animals and Human Society, Animal Breeding, Genetic engineering applications in Animal Breeding, Breeding and Variation, Aquaculture, Pisciculture, Poultry farming, Sericulture, Apiculture, Lac-culture. The last chapter has wild life of India. In this chapter we provided detail for Wild Life Protection and Acts, Documentation of Wild Life, Rare, Endangered and Endemic species, Protected Area Network, Conservation of Wild Life, In-situ and Ex-situ conservation.

An Introduction to Language and Linguistics - Ralph Fasold 2006-03-06

This accessible textbook is the only introduction to linguistics in which each chapter is written by an expert who teaches courses on that topic, ensuring balanced and uniformly excellent coverage of the full range of modern linguistics. Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound,

form, meaning, and language change), and in addition provides full coverage of contextual linguistics, including separate chapters on discourse, dialect variation, language and culture, and the politics of language. There are also up-to-date separate chapters on language and the brain, computational linguistics, writing, child language acquisition, and second-language learning. The breadth of the textbook makes it ideal for introductory courses on language and linguistics offered by departments of English, sociology, anthropology, and communications, as well as by linguistics departments.

Elements of Entomology - Dr. Rajendra Singh

Microbial Approaches for Insect Pest Management - Omkar 2022-01-01

This book brings together specialized information on modern aspects of applied microbiology in pest management. In the last few decades, the humans have witnessed major advancements in Life Sciences, as a result several new and powerful tools and techniques have evolved. This has led to great advancements in microbial nutrition, genetics and their application in different fields. In modern era of biotechnology, the microbes have provided solutions to many of the human problems and necessities and thus serve as human and farmers' friends. The microbes have proved to be successful tools for the pest management. Similarly, there has been much advancement in the field of molecular biology, where many more techniques have evolved which can be helpful in the field of pest management too. Plant resistance, development of transgenic plants, and many more techniques are being considered the panacea to pest problems. On the other hand, there are wide spread concerns of the safety of

these microbial and biotechnological interventions with nontarget organisms including humans. While the world stands divided on the ethical issues of these approaches and the many safety concerns, scientists believe that well thought of microbial and biotechnological interventions are probably the only safest ways possible for reducing pest attacks on crops. This is useful read for postgraduate students and teachers, plant protection practioners across the world and also useful for policy planners.

Animal Behaviour - Reena Mathur 2010

1. Introduction to the Study of Animal Behaviour 2. Concepts of Ethology 3. Methods of Studying Behaviour 4. Mammalian Nervous System and Behaviour 5. Pheromones 86-108 6. Hormones and Behaviour 7. Biological Clocks 8. Orientation 9. Bird Migration and Navigation 10. Fish Migration 11. Social Organization 12. Wildlife 10 India Glossary Supplementary Reading

Economic Zoology - B. S. Jangi 1991-06-01

An encyclopaedic dictionary, with a quick source of information about economically important animals, from Protoza to Mammalia, on a worldwide basis.

Endocrinology and Reproductive Biology -

CURRENT TRENDS IN BIOLOGICAL SCIENCES - Dr.R.B.Tripathi 2022-09-02

Current Trends in Biological Sciences are more inclined toward interdisciplinary studies. The present book provides a balanced approach to higher levels of biological organization. It also serves in the emerging disciplines of conservation biology and natural resource management. Recent developments in the technologies have led to a better understanding of the living system and this has removed the demarcations between various

disciplines of biological sciences. This book discusses and interprets major issues in environmental science, environmental technology, the effect of climate and weather on sericulture and aquaculture, toxicology, ecotoxicology, oncology, epidemiology, public health, biology and control of insect pests, haloarchaea, antimicrobials, transgenic plant development, ethnobotany, food and nutrition, pharmaceutical, soil science, biofertilizers this is all used to understand the challenges found in biological sciences. We attempted to provide up-to-current knowledge based on a basic concept in biological research involving a merger of diverse disciplines. Moreover, it takes a futuristic look at such important topics as sustainability, environmental problems and the relationship between toxicology, ecotoxicology and environmental science.

AQUACULTURE TECHNOLOGY AND ENVIRONMENT - UJWALA JADHAV 2009-03-03

Aquaculture, farming of aquatic animals and plants, is one of the world's fastest growing food production systems. This text provides an excellent elucidation of the concepts of aquaculture along with its impact on the environment. Written in a style that makes the subject both interesting to read and easy to understand, this text describes the scope and principles of aquaculture, and the design and management of a typical aquaculture/fish farming. It explains different types of culture systems and practices, as well as different criteria for the selection of species for culture. The text discusses some common diseases in aquaculture and measures to prevent them. It further elaborates the importance of a balanced diet for aquatic species and focuses on harvesting and post-harvesting technology. Biotechnolgy has gained immense importance in recent

years and it is now applied to aquaculture for improvement of aquatic species. This book discusses in detail the role of biotechnology in aquaculture. In addition, it deals with different aquaculture practices in India, such as culture of carp, prawn, pearl and seaweed. The text concludes with a discussion on the effects of aquaculture practices on the environment. Key Features Provides a list of major important aquaculture species cultured worldwide. Presents the latest data to enhance the utility of the text. Gives special emphasis on aquaculture practices in India. The book is intended for undergraduate and postgraduate students of zoology (B.Sc. and M.Sc.) and fisheries (B.F.Sc. and M.F.Sc.). It will also be useful to aquaculturists and environmentalists.

Economic Zoology Biostatistics And Animal Behaviour - Shukla Mathur 2009

Invertebrate Zoology - P.S.Verma 2001-01-01

For B.Sc. and B.Sc(hons.) students of all Indian Universities & Also as per UGC Model Curriculum. The multicoloured figures and arrestingly natural photographs effectively complement the standard text matter. The target readers shall highly benefit by correlating the content with the multicoloured figures and photographs The book has been further upgraded with addition of important questions: long, short, very short and multiple questions in all chapters. A complete comprehensive source for the subject matter of various university examinations.

Parasiticide Screening - Alan A. Marchiondo 2019-06-08
Parasiticide Discovery: In Vitro and In Vivo Tests with Relevant Parasite Rearing and Host Infection/Infestation Methods, Volume One presents valuable screening methods

that have led to the discovery of the majority of parasiticides commercialized in the animal health industry. As much of the knowledge of parasiticide discovery methods is being lost in the animal health industry as seasoned parasitologists retire, this book serves to preserve valuable methods that have led to the discovery of the majority of parasiticides commercialized in animal health, also giving insights into the in vitro and in vivo methods used to identify the parasiticide activity of compounds. Addresses current issues of resistance, along with combination uses for resistant parasites Presents useful, authoritative information (chemical, pharmaceutical, clinical, etc.) for the pyrantel family of compounds Includes a discussion on screening methods in combination therapies Provides cutting-edge material for an evolving area of scientific discussion Includes in vitro and in vivo screens and parasite maintenance and culture methods

Economic Zoology Biostatistics and Animal Behaviour - G. S. Shukla 2007

Natural Materials and Products from Insects: Chemistry and Applications - Dhiraj Kumar 2020-02-28

This book reviews the latest research on bioproducts from various economically important insects, such as silkworms, honey bees, lac and drosophila, and termites, and discusses their general, biomedical and industrial applications in detail. It includes chapters focusing on insects as a food source, probiotics, silk-based biomaterials, insect pheromones, insects as biomedicine source, pupa oil chemistry, non-protein compounds from Lepidopteran insects, insect chitin and chitosan, polyphenols and flavonoids. Model insects like Bombyx

mori or bees were domesticated in Asian countries thousands of years ago. Over time, natural products from these animals became industrialized and today they attracting increasing attention thanks to their sustainability and their manifold applications in agriculture and biomedicine. The book is intended for entomologists, material scientists, natural product researchers and biotechnologists.

Taxonomy of Angiosperms - V. Singh 1981

Indian Books in Print - 2001

Apiary - Dr. Yogendra Kumar Payasi 2022-05-31

First known usage of the word "apiary" was in 1654. The base of the word comes from the Latin word "apis" meaning "bee", leading to "apiarium" or "bee house" and eventually "apiary". Bee keepers rarely be referred to as "apiarist" or "ones who tend apiaries". The basic difference between apiary and hive is that, hive is a structure for housing a swarm of honey bees while apiary is a place where bees and their hives are kept. Lack of a comprehensive treatise on Biology of honey bees and their products has prompted this humble piece of work leading to Apiculture. This is an ideal text book of Apiculture which will serve as valuable work for undergraduate and post graduate students looking for a comprehensive source on a wide variety of topics namely "Basics of Apiculture; Bee hive and methods of bee keeping; Modern methods of Apiculture; Diseases of honey bee and control measures; Bee enemies; Honey bees for cross pollination in horticulture gardens; Products of bee keeping and their extraction. Also social behaviour, communication and swarming behaviour has been illustrated in the present book. In view of Albert

Einstein, if the bees disappear, humanity cannot survive more than four years. If we have the bees, then we save our planet. If there is no bees, there is no food because about 75% of the agriculture is pollinated by the honey bees. In this context, no Apiculture if there is no Agriculture and no Agriculture if there is no Agriculture. Keeping this fact, present book has been authored and hope that the students of the UG and PG will be benefitted in light of the courses established in New Education Policy of India. Various problems related with bee keeping may be solved by studying this book.

ETHOLOGY, BIOMETRY AND BIOINFORMATICS - Dr. SHAIKH ISAKH MAHEBOOB 2021-02-10

When animals communicate with one another, they follow a certain pattern of behavior. The scientific study of the characteristic behavior patterns and the study of Animal behavior and social organization from a biological perspective are known as the Ethology, i.e., Ethology (ethos = habit, and logos = study, deals with the study of animal behavior) is the special branch of biology that analyzes the reaction of an animal to its environment, trying to determine specific cause and effect relationship between the animal action and events and condition experienced by the Animals.

Economic Zoology - Herbert Osborn 1908

Industrial Entomology - Omkar 2017-02-13

This book is a compilation of writings focused on conventional and unconventional insect products. Some of these products are commercial successes, while others are waiting to be launched and are the potential produce of the future. In addition to the well known products honey, mulberry silk, and lac, the book primarily

concentrates on silk producing insects other than the mulberry silkworm, insects as food, as sources of medicines, pest and weed managers, and as pollinators. The book highlights the all pervasive role of insects in improving human lives at multiple levels. Accordingly, while most books on insects concentrate on how to limit growth in their population, it instead focuses on how to propagate them. In each chapter, the book brings to the fore how insects are far more beneficial to us than their well publicised harmful roles. This book approaches both unconventional and conventional insect products, such as honey, silk and lac in much more depth than the available literature. It investigates different aspects of the production of these insects, such as the related processes, problems and utilities, in dedicated chapters. Because this book deals with the production of insects or their produce, it has been named Industrial Entomology, perhaps the only book that truly reveals the tremendous potential of insects to help humans live better lives. Based on the research and working experience of the contributors, who are global experts in their respective fields, it provides authentic, authoritative and updated information on these topics. The book offers a unique guide for students, teachers, policy planners, small scale industrialists, and government ministries of agriculture and industry across the globe. It will provide a much required stimulus to insect appreciation and generate enthusiasm for research and the broader acceptance for insect produce. Hopefully, it will also present the Indian perspective on these topics to a global readership.

Managing Ocean Environments in a Changing Climate -

Kevin J. Noone 2013-06-29

Managing Ocean Environments in a Changing Climate

summarizes the current state of several threats to the global oceans. What distinguishes this book most from previous works is that this book begins with a holistic, global-scale focus for the first several chapters and then provides an example of how this approach can be applied on a regional scale, for the Pacific region. Previous works usually have compiled local studies, which are essentially impossible to properly integrate to the global scale. The editors have engaged leading scientists in a number of areas, such as fisheries and marine ecosystems, ocean chemistry, marine biogeochemical cycling, oceans and climate change, and economics, to examine the threats to the oceans both individually and collectively, provide gross estimates of the economic and societal impacts of these threats, and deliver high-level recommendations. Nominated for a Katerva Award in 2012 in the Economy category State of the science reviews by known marine experts provide a concise, readable presentation written at a level for managers and students Links environmental and economic aspects of ocean threats and provides an economic analysis of action versus inaction Provides recommendations for stakeholders to help stimulate the development of policies that would help move toward sustainable use of marine resources and services

Pest Management and Economic Zoology - 1997

Modern Text Book of Zoology: Invertebrates - Prof. R.L.Kotpal 2012

Economic Zoology - G. S. Shukla 1994

Microbiology & Plant Pathology - Dr. P.D. Sharma 2010

ECONOMIC ZOOLOGY. - G. S. SHUKLA 2014

Cell Biology - Singh 2007