
Economic Zoology By Shukla

Applied and Economic Zoology

Animal Behaviour

Modern Text Book of Zoology: Invertebrates

Molecular Approaches for Sustainable Insect Pest Management

ETHOLOGY, BIOMETRY AND BIOINFORMATICS

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Animal Physiology

Microbiology & Plant Pathology

An Introduction to Embryology

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Endocrinology and Reproductive Biology

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ECONOMIC ZOOLOGY.

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AQUACULTURE TECHNOLOGY AND ENVIRONMENT

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A Synthesis

Civil Services Success Planner

Cell Biology

The Fungi

Indian Books in Print

The Economic Importance of Insects

BRAIDEN BLANCHARD

Applied and Economic Zoology S. Chand Publishing

CELL BIOLOGY1. The Cell 2. Microscopy 3. Protoplasm 4. Cell Membrane 5. Mitochondrion 6. Golgi Complex7. Endoplasmic Reticulum 8. Ribosomes9. Lysosomes10. 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 BIOLOGY1. Historical Perspective, Aims and Scope ofDevelopmental Biology2. Gametogenesis3. Fertilization4. Types of Patterns of Cleavage5. Blastulation and Fate Maps in Frog and Chick6. Gastrulation in Frog.

Animal Behaviour Springer Nature

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

Modern Text Book of Zoology: Invertebrates Springer

Microbial Biodegradation and Bioremediation brings together experts in relevant fields to describe the successful application of microbes and their derivatives for bioremediation of potentially toxic and relatively novel compounds. This single-source reference encompasses all categories of pollutants and their applications in a convenient, comprehensive package. Our natural biodiversity and environment is in danger due to the release of continuously emerging potential pollutants by anthropogenic activities. Though many attempts have been made to eradicate and remediate these noxious elements, every day thousands of xenobiotics of relatively new entities emerge, thus worsening the situation. Primitive microorganisms are highly adaptable to toxic environments, and can reduce the load of toxic elements by their successful transformation and remediation. Describes many novel approaches of microbial bioremediation including genetic

engineering, metagenomics, microbial fuel cell technology, biosurfactants and biofilm-based bioremediation Introduces relatively new hazardous elements and their bioremediation practices including oil spills, military waste water, greenhouse gases, polythene wastes, and more Provides the most advanced techniques in the field of bioremediation, including insilico approach, microbes as pollution indicators, use of bioreactors, techniques of pollution monitoring, and more

Molecular Approaches for Sustainable Insect Pest

Management Rastogi Publications

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

ETHOLOGY, BIOMETRY AND BIOINFORMATICS Elsevier

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.

Microbial Biodegradation and Bioremediation Rastogi Publications 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. Biotechnology 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.

Animal Physiology Daya Publishing House

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.

Microbiology & Plant Pathology Rastogi Publications

Parasitism is a natural way of life, among the large number of organism and parasitic diseases are the major public health problem, which results into morbidity and mortality in tropical countries, particularly in the socioeconomically underdeveloped societies in the world. Food, water and soil-borne infections are estimated to be affecting almost half of the world's population Zoonoses (i.e. diseases that are transmittable between animals and men) of parasitic origin contribute to this statistics by affecting human health and causing heavy losses directly or indirectly to economy.

Rastogi Publications

The majority of undergraduate texts in invertebrate zoology (of which there are many) fall into one of two categories. They either offer a systematic treatment of groups of animals phylum by phylum, or adopt a functional approach to the various anatomical and physiological systems of the better known species. The *Invertebrates* is the first and only textbook to integrate both approaches and thus meet the modern teaching needs of the subject. This is the only invertebrate textbook to integrate systematics and functional approaches. The molecular systematics sections have been completely updated for the new edition. Strong evolutionary theme which reflects the importance of molecular techniques throughout. Distills the essential characteristics of each invertebrate group and lists diagnostic features to allow comparisons between phyla. New phyla have

been added for the new edition. Stresses comparisons in physiology, reproduction and development. Improved layout and illustration quality. Second edition has sold 14000 copies. Nature of the first edition: 'Students will like this book. It deserves to succeed.'

An Introduction to Embryology Rastogi Publications

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.

A Handbook on Economic Entomology Rastogi Publications

ECONOMIC ZOOLOGY. Economic Zoology Biostatistics And Animal Behaviour Deep and Deep Publications Economic Zoology Biostatistics and Animal Behaviour

Taxonomy of Angiosperms PHI Learning Pvt. Ltd.

Product Dimensions: 21x15x3 cm. 10 edition. Contents:

CONTENTS: 1. Introduction 2. Cellular Basis of Development 3. DNA, RNA and Protein Synthesis 4. Male Gonads and Spermatogenesis 5. Female Gonads and Oogenesis 6. Semination, Ovulation and Transportation of Gametes 7. Reproductive Cycles . Fertilization 8. Parthenogenesis 9. Cleavage and Blastulation - Nucleus and Cytoplasm in Development 10. Fate Maps and Cell Lineage, Gastrulation, Neurulation, Morphogenesis and Growth 11. Embryogenesis of a Simple Ascidian - Embryogenesis of Amphioxus 12. Embryogenesis of Frog 13. Detailed Account of Organogenesis of Frog 14. Embryogenesis of Chick. 15. Early Embryogenesis of Eutherian Mammal 16. Rabbit Placenta and Placentation 17. Gradient Theory 18. Embryonic Inductions and Competence 19. Differentiation Asexual Reproduction and Blastogenesis 20. Regeneration 21. Metamorphosis 22. Teratogenesis 23. Birth Control 24. Impotency, Sterility, Artificial Insemination, Test-tube Baby and GIFT, Glossary 25. Selected Reading 26. Index.

International Books in Print Rastogi Publications

1. Introduction 2. Climatic and Topographic Factors 3. Edaphic Factors (Soil Science) 4. Biotic Factor 5. Ecological Adaptations 6. Autecology of Species 7. Population - Structure and Dynamics 8. Community-Structure and Classification 9. Community Dynamics

(Ecological Succession) 10. Ecosystem: Structure and Function 11. Habitat Ecology 12. Degradation of Natural Resources and the Environmental Problems 13. Energy Crisis and Non-Conventional Sources 14. Biodiversity and Wildlife of India and its Conservation 15. Environment and Development-India's Viewpoint 16. Global Warming and Climate Change 17.

Environmental Biology & Toxicology Tata McGraw-Hill Education 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 its control. In chapter 2, we consciously talk about vectors and pests. Here, we covered life cycle and control of pest and vectors such as Gundi 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.

Animal Behaviour John Wiley & Sons

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.

Endocrinology and Reproductive Biology Rastogi Publications

In the last few decades there has been an ever-increasing component in most BSc Zoology degree courses of cell biology, physiology and genetics, for spectacular developments have taken place in these fields. Some aspects of biotechnology are now also being included. In order to accommodate the new material, the old zoology courses were altered and the traditional two-year basis of systematics of the animal kingdom, comparative anatomy (and physiology) and evolution, was either severely trimmed or reduced and presented in an abridged form under another title. Soon after these course alterations came the swing to modular teaching in the form of a series of shorter, separate courses, some of which were optional. The entire BSc degree course took on a different appearance and several different basic themes became possible. One major result was that in the great majority of cases taxonomy and systematics were no longer taught and biology students graduated without this basic training. We field biologists did appreciate the rising interest in ecology and environmental studies, but at the same time lamented the shortage of taxonomic skills, so that often field work was based on incorrect identifications. For years many of us with taxonomic inclinations have been bedevilled by the problem of teaching

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systematics to undergraduates. At a guess, maybe only 5% of students find systematics interesting. It is, however, the very basis of all studies in biology - the correct identification of the organism concerned and its relationships to others in the community.

Economic Zoology Biostatistics and Animal Behaviour

ECONOMIC ZOOLOGY. Economic Zoology Biostatistics And Animal Behaviour

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.

Microbiology Tata McGraw-Hill Education

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
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Developmental Biology Rastogi Publications

Fundamentals Of Ecology Rastogi Publications