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### INVERTEBRATE ZOOLOGY

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Saunders College Pub

### INVERTEBRATE ZOOLOGY

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W.B. Saunders Company

### THE BIOLOGY OF SOFT SHORES AND ESTUARIES

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**Oxford University Press** *This book describes soft sediments in the sea and in estuaries as habitats for a wide range of animals and plants and techniques used to study them. Designed to be accessible to readers at all levels, it discusses organisms and their adaptations on sandy shores, mudflats, seagrass beds, salt marshes, mangrove swamps and below the tide marks. It emphasizes the special characteristics of estuaries, including life in the estuarine water column and estuarine food webs, and considers pollution problems and conservation approaches.*

### INVERTIBRATE ZOOLOGY

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**S. Chand Publishing** *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.*

### PARENTOLOGY

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### EVERYTHING YOU WANTED TO KNOW ABOUT THE SCIENCE OF RAISING CHILDREN BUT WERE TOO EXHAUSTED TO ASK

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**Simon and Schuster** *An award-winning scientist offers his unorthodox approach to childrearing: "Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions" (Amy Chua, author of Battle Hymn of the Tiger Mother). If you're like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In Parentology, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley's sassy kids show him the limits of his profession. Parentology teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You'll be laughing and learning at the same time.*

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## AN INTRODUCTION TO THE INVERTEBRATES

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**Cambridge University Press** So much has to be crammed into today's biology courses that basic information on animal groups and their evolutionary origins is often left out. This is particularly true for the invertebrates. The second edition of Janet Moore's *An Introduction to the Invertebrates* fills this gap by providing a short updated guide to the invertebrate phyla, looking at their diverse forms, functions and evolutionary relationships. This book first introduces evolution and modern methods of tracing it, then considers the distinctive body plan of each invertebrate phylum showing what has evolved, how the animals live, and how they develop. Boxes introduce physiological mechanisms and development. The final chapter explains uses of molecular evidence and presents an up-to-date view of evolutionary history, giving a more certain definition of the relationships between invertebrates. This user-friendly and well-illustrated introduction will be invaluable for all those studying invertebrates.

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## BIOLOGY OF THE INVERTEBRATES

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**McGraw-Hill Higher Education** This textbook is the most concise and readable invertebrates book in terms of detail and pedagogy (other texts do not offer boxed readings, a second color, end of chapter questions, or pronunciation guides). All phyla of invertebrates are covered (comprehensive) with an emphasis on unifying characteristics of each group.

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## THE INVERTEBRATES

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### A SYNTHESIS

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**John Wiley & Sons** 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.'

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## INVERTEBRATE MEDICINE

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**John Wiley & Sons** *Invertebrate Medicine, Second Edition* offers a thorough update to the most comprehensive book on invertebrate husbandry and veterinary care. Including pertinent biological data for invertebrate species, the book's emphasis is on providing state-of-the-art information on medicine and the clinical condition. *Invertebrate Medicine, Second Edition* is an invaluable guide to the medical care of both captive and wild invertebrate animals. Coverage includes sponges, jellyfish, anemones, corals, mollusks, starfish, sea urchins, crabs, crayfish, lobsters, shrimp, hermit crabs, spiders, scorpions, and many more, with chapters organized by taxonomy. New chapters provide information on reef systems, honeybees, butterfly houses, conservation, welfare, and sources of invertebrates and supplies. *Invertebrate Medicine, Second Edition* is an essential resource for veterinarians in zoo animal, exotic animal and laboratory animal medicine; public and private aquarists; and aquaculturists.

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## ZOO ANIMAL AND WILDLIFE IMMOBILIZATION AND ANESTHESIA

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**John Wiley & Sons** *Zoo Animal and Wildlife Immobilization and Anesthesia, Second Edition* is a fully updated and revised version of the first comprehensive reference on anesthetic techniques in captive and free-ranging wildlife. Now including expanded coverage of avian and aquatic species, this exhaustive resource presents information on the full range of zoo and wildlife species. Covering topics ranging from monitoring and field anesthesia to CPR and euthanasia, the heart of the book is devoted to 53 species-specific chapters providing a wealth of information on little-known and common zoo and wildlife animals alike. In addition to new species chapters, the new edition brings a new focus on pain management, including chronic pain, and more information on species-specific physiology. Chapters on airway management, monitoring, emergency therapeutics, and field procedures are all significantly expanded as well. This update to *Zoo Animal and Wildlife Immobilization and Anesthesia* is an invaluable addition to the library of all zoo and wildlife veterinarians.

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## INVERTEBRATE ZOOLOGY

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### A LABORATORY MANUAL

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**Benjamin Cummings** Appropriate for a laboratory course in invertebrate zoology. *Invertebrate Zoology* continues to be the most current, up-to-date manual available. The popular phylum- by-phylum

approach has been retained, providing a solid conceptual framework for advanced work in behavior, ecology, physiology, and related subjects. Numerous exercises for studying the structure and function of invertebrates are used. To complete each exercise, students must make observations, conduct investigations, and ask and answer questions all of which helps them gain a comprehensive understanding of invertebrates.

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### **ECOLOGY AND CLASSIFICATION OF NORTH AMERICAN FRESHWATER INVERTEBRATES**

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**Academic Press** The third edition of *Ecology and Classification of North American Freshwater Invertebrates* continues the tradition of in-depth coverage of the biology, ecology, phylogeny, and identification of freshwater invertebrates from the USA and Canada. This text serves as an authoritative single source for a broad coverage of the anatomy, physiology, ecology, and phylogeny of all major groups of invertebrates in inland waters of North America, north of Mexico.

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### **MODERN TEXT BOOK OF ZOOLOGY: INVERTEBRATES**

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**Rastogi Publications**

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### **THE INVERTEBRATE TREE OF LIFE**

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**Princeton University Press** The most up-to-date book on invertebrates, providing a new framework for understanding their place in the tree of life In *The Invertebrate Tree of Life*, Gonzalo Giribet and Gregory Edgecombe, leading authorities on invertebrate biology and paleontology, utilize phylogenetics to trace the evolution of animals from their origins in the Proterozoic to today. Phylogenetic relationships between and within the major animal groups are based on the latest molecular analyses, which are increasingly genomic in scale and draw on the soundest methods of tree reconstruction. Giribet and Edgecombe evaluate the evolution of animal organ systems, exploring how current debates about phylogenetic relationships affect the ways in which aspects of invertebrate nervous systems, reproductive biology, and other key features are inferred to have developed. The authors review the systematics, natural history, anatomy, development, and fossil records of all major animal groups, employing seminal historical works and cutting-edge research in evolutionary developmental biology, genomics, and advanced imaging techniques. Overall, they provide a synthetic treatment of all animal phyla and discuss their relationships via an integrative approach to invertebrate systematics, anatomy, paleontology, and genomics. With numerous detailed illustrations and phylogenetic trees, *The Invertebrate Tree of Life* is a must-have reference for biologists and anyone interested in invertebrates, and will be an ideal text for courses in invertebrate biology. A must-have and up-to-date book on invertebrate biology Ideal as both a textbook and reference Suitable for courses in invertebrate biology Richly illustrated with black-and-white and color images and abundant tree diagrams Written by authorities on invertebrate evolution and phylogeny Factors in the latest understanding of animal genomics and original fossil material

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### **CHORDATE ZOOLOGY**

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**S. Chand Publishing** FOR B.Sc & B.Sc.(Hons) CLASSES OF ALL INDIAN UNIVERSITIES AND ALSO AS PER UGC MODEL CURRICULUMN Contents: CONTENTS:Protochordates:Hemichordata 1.Urochordata Cephalochordata Vertebrates : Cyclostomata 3. Agnatha, Pisces Amphibia 4. Reptilia 5. Aves Mammalia 7 Comparative Anatomy:Integumentary System 8 Skeletal System Coelom and Digestive System 10 Respiratory System 11. Circulatory System Nervous System 13. Receptor Organs 14 Endocrine System 15 Urinogenital System 16 Embryology Some Comparative Charts of Protochordates 17 Some Comparative Charts of Vertebrate Animal Types 18 Index.

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### **BIOLOGY OF THE SPRINGTAILS**

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#### **(INSECTA: COLLEMBOLA)**

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**OUP Oxford** Springtails are the most numerous and wide-spread insects in terrestrial ecosystems. They are important ecotoxicological test organisms and have been used extensively to indicate the effects of environmental pollutants and different agricultural regimes on biodiversity in soils. This comprehensive work by the co-author of *The biology of millipedes* is the only single-volume review of the biology of springtails in the English language to appear this century. The book covers classification, behaviour, physiology, evolution, ecology, and ecotoxicology. An extensive reference section with more than 2500 entries is included together with a complete list of all Collembola genera, a list of studies on the effects of chemicals on springtails, and reference to species checklists for most countries of the world.

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## VENOMOUS REPTILES AND THEIR TOXINS

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### EVOLUTION, PATHOPHYSIOLOGY AND BIODISCOVERY

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**Oxford University Press, USA** *"Venomous Reptiles And Their Toxins is a comprehensive study of the entire scope of reptile venom, from its evolution to drug design and development. This book devotes a chapter to each toxin class found in reptile venom, detailing the full trajectory of research on the toxin in question. The comprehensive synthesis of research deals with the impact that venom has had on biomedical applications and snake evolution and ecology"*--back cover.

### HONEY BEE MEDICINE FOR THE VETERINARY PRACTITIONER

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**John Wiley & Sons** *An essential guide to the health care of honey bees Honey Bee Medicine for the Veterinary Practitioner offers an authoritative guide to honey bee health and hive management. Designed for veterinarians and other professionals, the book presents information useful for answering commonly asked questions and for facilitating hive examinations. The book covers a wide range of topics including basic husbandry, equipment and safety, anatomy, genetics, the diagnosis and management of disease. It also includes up to date information on Varroa and other bee pests, introduces honey bee pharmacology and toxicology, and addresses native bee ecology. This new resource: Offers a guide to veterinary care of honey bees Provides information on basic husbandry, examination techniques, nutrition, and more Discusses how to successfully handle questions and 'hive calls' Includes helpful photographs, line drawings, tables, and graphs Written for veterinary practitioners, veterinary students, veterinary technicians, scientists, and apiarists, Honey Bee Medicine for the Veterinary Practitioner is a comprehensive and practical book on honey bee health.*

### ECOLOGY OF INVERTEBRATE DISEASES

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**John Wiley & Sons** *A rapidly growing interdisciplinary field, disease ecology merges key ideas from ecology, medicine, genetics, immunology, and epidemiology to study how hosts and pathogens interact in populations, communities, and entire ecosystems. Bringing together contributions from leading international experts on the ecology of diseases among invertebrate species, this book provides a comprehensive assessment of the current state of the field. Beginning with an introductory overview of general principles and methodologies, the book continues with in-depth discussions of a range of critical issues concerning invertebrate disease epidemiology, molecular biology, vectors, and pathogens. Topics covered in detail include: Methods for studying the ecology of invertebrate diseases and pathogens Invertebrate pathogen ecology and the ecology of pathogen groups Applied ecology of invertebrate pathogens Leveraging the ecology of invertebrate pathogens in microbial control Prevention and management of infectious diseases of aquatic invertebrates Ecology of Invertebrate Diseases is a necessary and long overdue addition to the world literature on this vitally important subject. This volume belongs on the reference shelves of all those involved in the environmental sciences, genetics, microbiology, marine biology, immunology, epidemiology, fisheries and wildlife science, and related disciplines.*

### THE EVOLUTION OF ORGAN SYSTEMS

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**Oxford University Press** *Although there are several books on the phylogenetic relationships of animals, this is the first to focus on the consequences of such relationships for the evolution of organs themselves. It provides a summary of evolutionary hypotheses for each of the major organ systems, describing alternative theories in those cases of continuing controversy.*

### ECHINODERM LARVAE

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### BIOLOGICAL ADHESIVES

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**Springer** *Many creatures use adhesive polymers and structures to attach to inert substrates, to each other, or to other organisms. This is the first major review that brings together research on many of the well-known biological adhesives dealing with bacteria, fungi, algae, and marine and terrestrial animals. As we learn more about their molecular and mechanical properties we begin to understand why they adhere so well and with this comes broad applications in areas such as medicine, dentistry, and biotechnology.*

### INVERTEBRATE LEARNING AND MEMORY

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### CHAPTER 3. COGNITIVE COMPONENTS OF INSECT BEHAVIOR

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**Elsevier Inc. Chapters** *The behavior of insects transcends elementary forms of adaptive responding to environmental changes. We discuss examples of exploration, instrumental and observational*

learning, expectation, learning in a social context, and planning of future actions. We show that learning about sensory cues allows insects to transfer flexibly their responses to novel stimuli attaining thereby different levels of complexity, from basic generalization to categorization and concept learning consistent with rule extraction. We argue that updating of existing memories requires multiple forms of memory processing. A key element in these processes is working memory, an active form of memory considered to allow evaluation of actions on the basis of expected outcome. We discuss which of these cognitive faculties can be traced to specific neural processes and how they relate to the overall organization of the insect brain.

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## INVERTEBRATE ZOOLOGY

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### A TREE OF LIFE APPROACH

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**CRC Press** *Invertebrate Zoology: A Tree of Life Approach* is a comprehensive and authoritative textbook adopting an explicitly phylogenetic organization. Most of the classical anatomical and morphological work has not been changed - it established the foundation of Invertebrate Zoology. With the explosion of Next-Generation Sequencing approaches, there has been a sea-change in the recognized phylogenetic relationships among and between invertebrate lineages. In addition, the merger of evolutionary and developmental biology (evo-devo) has dramatically contributed to changes in the understanding of invertebrate biology. Synthesizing these three approaches (classical morphology, sequencing data, and evo-devo studies) offers students an entirely unique perspective of invertebrate diversity. **Key Features** One of the first textbooks to combine classical morphological approaches and newer evo-devo and Next-Generation Sequencing approaches to address Invertebrate Zoology Organized along taxonomic lines in accord with the latest understanding of invertebrate phylogeny Will provide background in basic systematic analysis useful within any study of biodiversity A wealth of ancillary materials for students and teachers, including downloadable figures, lecture slides, web links, and phylogenetic data matrices

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## COMPARATIVE ANATOMY OF THE VERTEBRATES

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### PRACTICAL ZOOLOGY INVERTEBRATE

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**Rastogi Publications**

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## STRUCTURE AND EVOLUTION OF INVERTEBRATE NERVOUS SYSTEMS

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**Oxford University Press** The nervous system is particularly fascinating for many biologists because it controls animal characteristics such as movement, behavior, and coordinated thinking. Invertebrate neurobiology has traditionally been studied in specific model organisms, whilst knowledge of the broad diversity of nervous system architecture and its evolution among metazoan animals has received less attention. This is the first major reference work in the field for 50 years, bringing together many leading evolutionary neurobiologists to review the most recent research on the structure of invertebrate nervous systems and provide a comprehensive and authoritative overview for a new generation of researchers. Presented in full colour throughout, *Structure and Evolution of Invertebrate Nervous Systems* synthesizes and illustrates the numerous new findings that have been made possible with light and electron microscopy. These include the recent introduction of new molecular and optical techniques such as immunohistochemical staining of neuron-specific antigens and fluorescence in-situ-hybridization, combined with visualization by confocal laser scanning microscopy. New approaches to analysing the structure of the nervous system are also included such as micro-computational tomography, cryo-soft X-ray tomography, and various 3-D visualization techniques. The book follows a systematic and phylogenetic structure, covering a broad range of taxa, interspersed with chapters focusing on selected topics in nervous system functioning which are presented as research highlights and perspectives. This comprehensive reference work will be an essential companion for graduate students and researchers alike in the fields of metazoan neurobiology, morphology, zoology, phylogeny and evolution.

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## REPRODUCTIVE STRATEGIES IN INSECTS

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**CRC Press** *Reproductive Strategies in Insects* provides an expansive critical look at the reproductive strategies of the most diverse group of animals, the insects.

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## ANIMAL EVOLUTION

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### GENOMES, FOSSILS, AND TREES

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**OUP Oxford** Animal life, now and over the past half billion years, is incredibly diverse. Describing and understanding the evolution of this diversity of body plans - from vertebrates such as humans and fish to the numerous invertebrate groups including sponges, insects, molluscs, and the many groups of worms - is a major goal of evolutionary biology. In this book, a group of leading researchers adopt a

modern, integrated approach to describe how current molecular genetic techniques and disciplines as diverse as palaeontology, embryology, and genomics have been combined, resulting in a dramatic renaissance in the study of animal evolution. The last decade has seen growing interest in evolutionary biology fuelled by a wealth of data from molecular biology. Modern phylogenies integrating evidence from molecules, embryological data, and morphology of living and fossil taxa provide a wide consensus of the major branching patterns of the tree of life; moreover, the links between phenotype and genotype are increasingly well understood. This has resulted in a reliable tree of relationships that has been widely accepted and has spawned numerous new and exciting questions that require a reassessment of the origins and radiation of animal life. The focus of this volume is at the level of major animal groups, the morphological innovations that define them, and the mechanisms of change to their embryology that have resulted in their evolution. Current research themes and future prospects are highlighted including phylogeny reconstruction, comparative developmental biology, the value of different sources of data and the importance of fossils, homology assessment, character evolution, phylogeny of major groups of animals, and genome evolution. These topics are integrated in the light of a 'new animal phylogeny', to provide fresh insights into the patterns and processes of animal evolution. *Animal Evolution* provides a timely and comprehensive statement of progress in the field for academic researchers requiring an authoritative, balanced and up-to-date overview of the topic. It is also intended for both upper level undergraduate and graduate students taking courses in animal evolution, molecular phylogenetics, evo-devo, comparative genomics and associated disciplines.

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### **MOLECULAR EVOLUTION: TOWARDS THE ORIGIN OF METAZOA**

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**Springer Science & Business Media** Recently, new genes and their proteins that revealed striking new insights into the early evolution of multicellular animals have been identified and characterized from members of the lowest metazoan phylum, the porifera (sponges). The unexpected result was that the sequences obtained from sponge displayed high similarity to those found in higher metazoa; in consequence, it was concluded that during the transition from protozoa to metazoa the major structural and regulatory proteins evolved only once. The data gathered are now powerful arguments to establish monophyly of metazoa; in addition, new insights on the evolutionary diversification of metazoa were obtained.

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### **THE BIOLOGY OF SPIDERS**

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### **BARNACLE BIOLOGY**

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**CRC Press** This text gives an overview of almost all aspects of barnacle biology covering advances made since Charles Darwin to the present day.

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### **ATLAS OF CRUSTACEAN LARVAE**

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**JHU Press** Crustaceans—familiar to the average person as shrimp, lobsters, crabs, krill, barnacles, and their many relatives—are easily one of the most important and diverse groups of marine life. Poorly understood, they are among the most numerous invertebrates on earth. Most crustaceans start life as eggs and move through a variety of morphological phases prior to maturity. In *Atlas of Crustacean Larvae*, more than 45 of the world's leading crustacean researchers explain and illustrate the beauty and complexity of the many larval life stages. Revealing shapes that are reminiscent of aliens from other worlds—often with bizarre modifications for a planktonic life or for parasitization, including (in some cases) bulging eyes, enormous spines, and aids for flotation and swimming—the abundant illustrations and photographs show the detail of each morphological stage and allow for quick comparisons. The diversity is immediately apparent in the illustrations: spikes that deter predators occur on some larvae, while others bear unique specializations not seen elsewhere, and still others appear as miniature versions of the adults. Small differences in anatomy are shown to be suited to the behaviors and survival mechanisms of each species. Destined to become a key reference for specialists and students and a treasured book for anyone who wishes to understand "the invertebrate backbone of marine ecosystems," *Atlas of Crustacean Larvae* belongs on the shelf of every serious marine biologist.

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### **POLYCHAETES**

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**Oxford University Press** Polychaetes are very common marine worms belonging to the Annelid family that are of interest to marine biologists and invertebrate zoologists. The book presents an understanding of the biology of this group with many illustrations.

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### **FAST FACTS ABOUT BUTTERFLIES**

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**Pebble Books** Flitter and flutter! It's a pretty butterfly! Young readers will get the fast facts on these colorful insects, including butterfly body parts, habitats, life cycles, and why they are important to the environment. Along the way, they will also uncover surprising and fascinating facts! Simple text, close-up photos, and a fun activity make this a perfect introduction to the beautiful world of butterflies.

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## BIVALVE MOLLUSCS

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### BIOLOGY, ECOLOGY AND CULTURE

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**John Wiley & Sons** *Bivalve Molluscs* is an extremely comprehensive book covering all major aspects of this important class of invertebrates. As well as being an important class biologically and ecologically, many of the bivalves are fished and cultured commercially (e.g. mussels, oysters, scallops and clams) in a multi-billion dollar worldwide industry. Elizabeth Gosling who has a huge wealth of research, teaching and hands on experience working with bivalves, has written a landmark book that will stand for many years as the standard work on the subject. Chapters in *Bivalve Molluscs* cover morphology, ecology, feeding, reproduction, settlement and recruitment, growth, physiology, fisheries, aquaculture, genetics, diseases and parasites, and public health issues. A full understanding of many of these aspects is vital for all those working in bivalve fisheries and culture. An essential purchase for anyone concerned with this important class of animals, copies of *Bivalve Molluscs* should be on the shelves of biologists, ecologists, environmental scientists, fisheries scientists and personnel within the aquaculture industry. Copies of the book should be available in all libraries and research establishments where these subjects are studied or taught. Elizabeth Gosling is based at the Galway-Mayo Institute of Technology, Galway, Ireland.

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### PARASITE DIVERSITY AND DIVERSIFICATION

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**Cambridge University Press** By joining phylogenetics and evolutionary ecology, this book explores the patterns of parasite diversity while revealing diversification processes.

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### INVERTEBRATE MEDICINE

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**John Wiley & Sons** Presented in full color for the first time, *Invertebrate Medicine* is the definitive resource on husbandry and veterinary medicine in invertebrate species. Presenting authoritative information applicable to both in-human care and wild invertebrates, this comprehensive volume addresses the medical care and clinical condition of most important invertebrate species—providing biological data for sponges, jellyfish, anemones, snails, sea hares, corals, cuttlefish, squid, octopuses, clams, oysters, crabs, crayfish, lobsters, shrimp, hermit crabs, spiders, scorpions, horseshoe crabs, honey bees, butterflies, beetles, sea stars, sea urchins, sea cucumbers, various worms, and many other invertebrate groups. The extensively revised third edition contains new information and knowledge throughout, offering timely coverage of significant advances in invertebrate anesthesia, analgesia, diagnostic imaging, surgery, and welfare. New and updated chapters incorporate recent publications on species including crustaceans, jellyfishes, corals, honeybees, and a state-of-the-science formulary. In this edition, the authors also discuss a range of topics relevant to invertebrate caretaking including conservation, laws and regulations, euthanasia, diagnostic techniques, and sample handling. Edited by a leading veterinarian and expert in the field, *Invertebrate Medicine, Third Edition*: Provides a comprehensive reference to all aspects of invertebrate medicine Offers approximately 200 new pages of expanded content Features more than 400 full color images and new contributions from leading veterinarians and specialists for each taxon Includes updated chapters of reportable diseases, neoplasia, sources of invertebrates and supplies, and a comprehensive formulary The standard reference text in the field, *Invertebrate Medicine, Third Edition* is essential reading for practicing veterinarians, veterinary students, advanced hobbyists, aquarists and aquaculturists, and professional animal caretakers in zoo animal, exotic animal, and laboratory animal medicine.

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### A MANUAL OF PRACTICAL ZOOLOGY: INVERTEBRATES

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**S. Chand Publishing** The book provides discussion on all aspects of Invertebrates as covered in *Practical Zoology*. Beginning with general techniques of preparation of cultures of Protozoa, microscopic slides and laboratory regents, it also covers in tabular and detailed form, recent classification of various invertebrate phyla with examples of each order or suborder. Wide coverage of each phylum, and diagrams of major and minor dissections make the book equally useful for both undergraduate and postgraduate students.

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### DESCRIBING SPECIES

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### PRACTICAL TAXONOMIC PROCEDURE FOR BIOLOGISTS

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**Columbia University Press** A basic practical manual for the process of describing new species, this desperately needed desk reference and guide to nomenclatural procedure and taxonomic writing serves as a *Strunk & White* of species description, covering both botanical and zoological codes of nomenclature.

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