

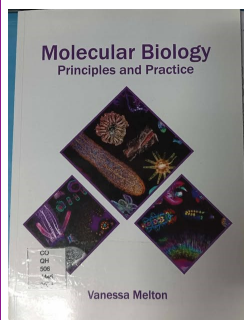


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NEW ACQUISITIONS

BIOLOGY

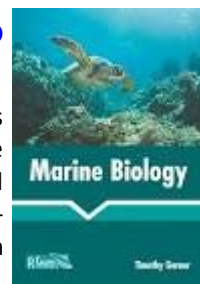


Melton, Vanessa, *Molecular Biology: Principles and Practice* New York, NY: Syra-wood Publishing House, c2024 [CO QH 506 .M45 2024]

Molecular biology is a branch of biology that focuses on the molecular mechanisms underlying biological activity, particularly interactions among biomolecules within a cell. Under this discipline, interactions between proteins, DNA, RNA, and their biosynthesis processes are observed and regulated. Molecular basis of various processes including replication, translation, transcription and cell function are studied under this discipline. Specific techniques from genetics and biochemistry are integrated with molecular biology techniques and concepts. Some common techniques in this domain include molecular cloning and gel electrophoresis, including macro-molecule blotting. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and applications of molecular biology. It will also provide interesting topics research which interested readers can take up. It will serve as a valuable source of reference for graduate and postgraduate students.

Garner, Timothy, *Marine Biology* Forest Hills, NY: Callisto Reference, [c2023] [CO QH 91 .M37 2023]

The scientific study of organisms in the sea is referred to as marine biology, it classifies the species on the basis of the environment rather than on taxonomy. There are various habitats which are studied in marine biology such as kelp forest, coral reefs, thermal vents, seagrass meadows and tidepools. There are a wide range of organisms that are studied in marine biology, from zooplankton and phytoplankton to cetaceans. There are many sub-fields of marine biology. A few of them are ichthyology, physiology, invertebrate zoology, etc.



Marine Biology also studies the physical effects of continual immersion in sea water, adaptation to a salty environment, as well as the effects of various changing oceanic properties on marine life. This textbook attempts to understand the multiple branches that fall under the discipline of marine biology and how such concepts have practical applications. It aims to equip students and experts with the advanced topics and upcoming concepts in this area. This book is an essential guide for both academics and those who wish to pursue this discipline further.



Watson, Rose, Invertebrate Zoology New York, NY: Syrawood Publishing House, [c2023] [CO QL 362 .W38 2023]

The sub-discipline of zoology, which is concerned with the study of invertebrates is referred to as invertebrate zoology. Invertebrates are the animals that do not have a backbone. It is a diverse group of animals which includes tunicates, echinoderms, sponges, various phyla of worms, arthropods, molluscs, etc. There can be many sub-divisions of invertebrate zoology including arthropodology which includes arachnology, entomology, carcinology and myriapodology. Some of the other sub-divisions of invertebrate zoology are invertebrate paleontology, malacology, and helminthology. Invertebrate paleontology deals with the scientific study of prehistoric invertebrates by analyzing invertebrate fossils in the geological records. The topics included in this book on invertebrate zoology are of utmost significance and bound to provide incredible insights to readers. Some of the diverse topics covered in this book address the varied branches that fall under this category. This book will serve as a reference to a broad spectrum of readers.