



Encyclopedia of Fish Physiology: From Genome to Environment

Download now

[Click here](#) if your download doesn't start automatically

Encyclopedia of Fish Physiology: From Genome to Environment

Encyclopedia of Fish Physiology: From Genome to Environment

Fish form an extremely diverse group of vertebrates. At a conservative estimate at least 40% of the world's vertebrates are fish. On the one hand they are united by their adaptations to an aquatic environment and on the other they show a variety of adaptations to differing environmental conditions - often to extremes of temperature, salinity, oxygen level and water chemistry. They exhibit an array of behavioural and reproductive systems. Interesting in their own right, this suite of adaptive physiologies provides many model systems for both comparative vertebrate and human physiologists.

This four volume encyclopedia covers the diversity of fish physiology in over 300 articles and provides entry level information for students and summary overviews for researchers alike.

Broadly organised into four themes, articles cover Functional, Thematic, and Phylogenetic Physiology, and Fish Genomics

Functional articles address the traditional aspects of fish physiology that are common to all areas of vertebrate physiology including: Reproduction, Respiration, Neural (Sensory, Central, Effector), Endocrinology, Renal, Cardiovascular, Acid-base Balance, Osmoregulation, Ionoregulation, Digestion, Metabolism, Locomotion, and so on.

Thematic Physiology articles are carefully selected and fewer in number. They provide a level of integration that goes beyond the coverage in the Functional Physiology topics and include discussions of Toxicology, Air-breathing, Migrations, Temperature, Endothermy, etc.

Phylogenetic Physiology articles bring together information that bridges the physiology of certain groupings of fishes where the knowledge base has a sufficient depth and breadth and include articles on Ancient Fishes, Tunas, Sharks, etc.

Genomics articles describe the underlying genetic component of fish physiology and high light their suitability and use as model organisms for the study of disease, stress and physiological adaptations and reactions to external conditions.

- Winner of a 2011 PROSE Award Honorable Mention for Multivolume Science Reference from the Association of American Publishers
- The definitive encyclopedia for the field of fish physiology
- Three volumes which comprehensively cover the entire field in over 300 entries written by experts
- Detailed coverage of basic functional physiology of fishes, physiological themes in fish biology and comparative physiology amongst taxonomic Groups
- Describes the genomic bases of fish physiology and biology and the use of fish as model organisms in human physiological research
- Includes a glossary of terms
- Available online in indexed searchable format

 [**Download** Encyclopedia of Fish Physiology: From Genome to En ...pdf](#)

 [**Read Online** Encyclopedia of Fish Physiology: From Genome to ...pdf](#)

Download and Read Free Online Encyclopedia of Fish Physiology: From Genome to Environment

From reader reviews:

Amanda Haskin:

As people who live in typically the modest era should be revise about what going on or information even knowledge to make all of them keep up with the era that is certainly always change and advance. Some of you maybe will update themselves by studying books. It is a good choice to suit your needs but the problems coming to you is you don't know what type you should start with. This Encyclopedia of Fish Physiology: From Genome to Environment is our recommendation to make you keep up with the world. Why, since this book serves what you want and need in this era.

Paul Kindig:

Often the book Encyclopedia of Fish Physiology: From Genome to Environment has a lot info on it. So when you check out this book you can get a lot of help. The book was authored by the very famous author. Mcdougal makes some research previous to write this book. This specific book very easy to read you can obtain the point easily after reading this book.

Owen Neri:

Do you one of the book lovers? If so, do you ever feeling doubt when you find yourself in the book store? Make an effort to pick one book that you find out the inside because don't judge book by its cover may doesn't work is difficult job because you are frightened that the inside maybe not as fantastic as in the outside search likes. Maybe you answer can be Encyclopedia of Fish Physiology: From Genome to Environment why because the wonderful cover that make you consider with regards to the content will not disappoint an individual. The inside or content will be fantastic as the outside or perhaps cover. Your reading 6th sense will directly show you to pick up this book.

Marc Medina:

This Encyclopedia of Fish Physiology: From Genome to Environment is great reserve for you because the content that is full of information for you who have always deal with world and also have to make decision every minute. This book reveal it facts accurately using great coordinate word or we can state no rambling sentences in it. So if you are read that hurriedly you can have whole details in it. Doesn't mean it only provides you with straight forward sentences but challenging core information with beautiful delivering sentences. Having Encyclopedia of Fish Physiology: From Genome to Environment in your hand like finding the world in your arm, info in it is not ridiculous one particular. We can say that no publication that offer you world in ten or fifteen second right but this publication already do that. So , this really is good reading book. Hi Mr. and Mrs. hectic do you still doubt in which?

**Download and Read Online Encyclopedia of Fish Physiology: From
Genome to Environment #5TJ1YQ6K7Z8**

Read Encyclopedia of Fish Physiology: From Genome to Environment for online ebook

Encyclopedia of Fish Physiology: From Genome to Environment Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Encyclopedia of Fish Physiology: From Genome to Environment books to read online.

Online Encyclopedia of Fish Physiology: From Genome to Environment ebook PDF download

Encyclopedia of Fish Physiology: From Genome to Environment Doc

Encyclopedia of Fish Physiology: From Genome to Environment Mobipocket

Encyclopedia of Fish Physiology: From Genome to Environment EPub