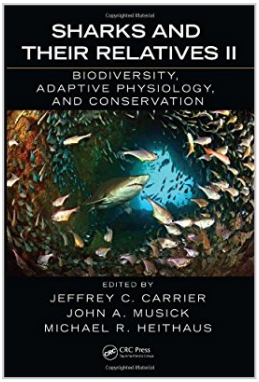

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series)

From CRC Press

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press

Since the award-winning first volume, *The Biology of Sharks and Their Relatives*, published in 2004, the field has witnessed tremendous developments in research, rapid advances in technology, and the emergence of new investigators beginning to explore issues of biodiversity, distribution, physiology, and ecology in ways that eluded more traditional studies. As an entirely new companion volume, **Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation** brings you up to speed on these significant changes, specifically examining how elasmobranch fishes – the sharks, skates, rays, and chimaeras – successfully survive in a wide range of habitats.

Emphasizes Conservation of Threatened Species
This multidisciplinary volume begins by examining elasmobranch biodiversity patterns and their integrated sensory systems. It then explores the physiological adaptations – from unique sensory modalities to compensatory mechanisms for physiological and environmental stress – that make these animals particularly well-suited for the range of habitats where they are found, in both oceanic and freshwater realms.

Features Established Researchers and Introduces New Pioneers in the Field
The book then considers the human interactions and anthropogenic effects on worldwide elasmobranch populations and the potential extinction risks posed by increasing threats from changes in habitat, changes in water chemistry, and growing commercial exploitation. This text truly is unrivaled in terms of coverage and readability, and it is a must-have reference for marine biologists, fishery scientists, oceanographers, and also marine, zoo, and aquarium veterinarians.

To address subject areas and subdisciplines where coverage was absent or superficial in volume one, Jeffrey Carrier and associates have assembled in the current volume a collection of works that reveal patterns of biodiversity, the

physiological attributes that contribute to elasmobranchs' successful exploitation of oceanic and freshwater realms, and the unique issues associated with the interaction between elasmobranchs and humans, all of this with overarching attention to issues of conservation.

> "We begin with chapters examining biodiversity. We have chosen to approach this discussion by presenting elasmobranchs as inhabitants of the range of zoogeographic provinces, realizing that significant overlap may occur for more pelagic species. This realization was reflected in the dialogue that occurred during preparation of the book between our chapter authors, and the recognition that many species simply cannot be confined to a specific habitat or range of habitats. We then continue by examining some of the unique physiological adaptations that allow these animals to exploit the range of habitats where they are found, from unique sensory modalities to compensatory mechanisms for physiological and environmental stress.
>
> "Our concluding section presents some of the challenges faced by members of these groups. We have asked our authors to consider human interactions and anthropogenic effects on worldwide populations and the potential extinction risks posed from survival under increasing threats from changes in habitat, changes in water chemistry, and increasing commercial exploitation. Conservation of species under threat remains a theme throughout the book.
>
> "Our authors represent an international group of investigators including established scientists whose work has been widely published and respected, and emerging younger scientists who have exploited recent advances in technology to ask and answer new questions as well as offering new insights and interpretations to enduring problems in the fields of ecology and physiology. We have asked them to be speculative and challenging, and we have asked them to predict future areas for investigation in hopes that their work will both inspire and provoke additional studies of these fascinating animals."
>
> - from the Preface

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series)

From CRC Press

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press

Since the award-winning first volume, *The Biology of Sharks and Their Relatives*, published in 2004, the field has witnessed tremendous developments in research, rapid advances in technology, and the emergence of new investigators beginning to explore issues of biodiversity, distribution, physiology, and ecology in ways that eluded more traditional studies. As an entirely new companion volume, **Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation** brings you up to speed on these significant changes, specifically examining how elasmobranch fishes – the sharks, skates, rays, and chimaeras – successfully survive in a wide range of habitats.

Emphasizes Conservation of Threatened Species
This multidisciplinary volume begins by examining elasmobranch biodiversity patterns and their integrated sensory systems. It then explores the physiological adaptations – from unique sensory modalities to compensatory mechanisms for physiological and environmental stress – that make these animals particularly well-suited for the range of habitats where they are found, in both oceanic and freshwater realms.

Features Established Researchers and Introduces New Pioneers in the Field
The book then considers the human interactions and anthropogenic effects on worldwide elasmobranch populations and the potential extinction risks posed by increasing threats from changes in habitat, changes in water chemistry, and growing commercial exploitation. This text truly is unrivaled in terms of coverage and readability, and it is a must-have reference for marine biologists, fishery scientists, oceanographers, and also marine, zoo, and aquarium veterinarians.

To address subject areas and subdisciplines where coverage was absent or superficial in volume one, Jeffrey Carrier and associates have assembled in the current volume a collection of works that reveal patterns of biodiversity, the physiological attributes that contribute to elasmobranchs' successful exploitation of oceanic and freshwater realms, and the unique issues associated with the interaction between elasmobranchs and humans, all of this with overarching attention to issues of conservation.

> "We begin with chapters examining biodiversity. We have chosen to approach this discussion by presenting elasmobranchs as inhabitants of the range of zoogeographic provinces, realizing that significant overlap may occur for more pelagic species. This realization was reflected in the dialogue that occurred during preparation of the book between our chapter authors, and the recognition that many species simply cannot be confined to a specific habitat or range of habitats. We then continue by examining some of the unique physiological adaptations that allow these animals to exploit the range of habitats where they are found, from unique sensory modalities to compensatory mechanisms for physiological and environmental stress.
>
> "Our concluding section presents some of the challenges faced by members of these groups.

We have asked our authors to consider human interactions and anthropogenic effects on worldwide populations and the potential extinction risks posed from survival under increasing threats from changes in habitat, changes in water chemistry, and increasing commercial exploitation. Conservation of species under threat remains a theme throughout the book.

"Our authors represent an international group of investigators including established scientists whose work has been widely published and respected, and emerging younger scientists who have exploited recent advances in technology to ask and answer new questions as well as offering new insights and interpretations to enduring problems in the fields of ecology and physiology. We have asked them to be speculative and challenging, and we have asked them to predict future areas for investigation in hopes that their work will both inspire and provoke additional studies of these fascinating animals."
- from the Preface

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press Bibliography

- Sales Rank: #2235527 in Books
- Published on: 2010-03-09
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 1.56" w x 7.01" l, 3.30 pounds
- Binding: Hardcover
- 746 pages

Editorial Review

About the Author

Under the editorial guidance of Jeffrey C. Carrier, Ph.D., John A. (Jack) Musick, Ph.D., and Michael R. Heithaus, Ph.D., this book includes much of the team's original research along with keen insights from their combined nearly 80 years of teaching in higher academia. **Dr. Carrier's** current research is focused on the reproductive biology and mating behaviors of nurse sharks in a long-term study from an isolated region of the Florida Keys. **Dr. Musick** has published more than 150 scientific papers and co-authored or edited 16 books focused on the ecology and conservation of sharks, other marine fishes, and sea turtles. Dr. Musick served as co-chair of the IUCN Shark Specialist Group for nine years, and is currently the vice chair for science. **Dr. Heithaus'** current work is centered on predator–prey interactions and the factors influencing behavioral decisions, especially of large marine taxa including marine mammals, sharks and rays, and sea turtles.

Users Review

From reader reviews:

Catherine Crider:

In other case, little persons like to read book Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series). You can choose the best book if you want reading a book. Providing we know about how is important any book Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series). You can add knowledge and of course you can around the world by a book. Absolutely right, since from book you can understand everything! From your country right up until foreign or abroad you can be known. About simple point until wonderful thing you could know that. In this era, we can easily open a book or even searching by internet unit. It is called e-book. You need to use it when you feel weary to go to the library. Let's read.

Roger Waldrop:

The feeling that you get from Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) is a more deep you looking the information that hide into the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to comprehend but Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) giving you buzz feeling of reading. The article author conveys their point in specific way that can be understood through anyone who read that because the author of this publication is well-known enough. This book also makes your personal vocabulary increase well. So it is easy to understand then can go to you, both in printed or e-book style are available. We propose you for having this specific Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) instantly.

Gregory Morrow:

This Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) is great publication for you because the content which can be full of information for you who also always deal with world and have to make decision every minute. This particular book reveal it facts accurately using great organize word or we can state no rambling sentences inside. So if you are read it hurriedly you can have whole details in it. Doesn't mean it only will give you straight forward sentences but tricky core information with lovely delivering sentences. Having Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) in your hand like obtaining the world in your arm, facts in it is not ridiculous a single. We can say that no reserve that offer you world inside ten or fifteen minute right but this publication already do that. So , it is good reading book. Hello Mr. and Mrs. occupied do you still doubt that?

Carolyn Walton:

Do you like reading a e-book? Confuse to looking for your selected book? Or your book ended up being rare? Why so many concern for the book? But virtually any people feel that they enjoy to get reading. Some people likes reading, not only science book but also novel and Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) or maybe others sources were given knowledge for you. After you know how the fantastic a book, you feel wish to read more and more. Science publication was created for teacher or maybe students especially. Those textbooks are helping them to put their knowledge. In other case, beside science e-book, any other book likes Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) to make your spare time considerably more colorful. Many types of book like here.

Read Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press for online ebook

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press 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 Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press books to read online.

Online Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press ebook PDF download

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press Doc

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press Mobipocket

Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press EPub

2VP5R0AOH8F: Sharks and Their Relatives II: Biodiversity, Adaptive Physiology, and Conservation (CRC Marine Biology Series) From CRC Press