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Fish Swimming (Molecular And Cell Biochemistry)



Synopsis

Among the fishes, a remarkably wide range of biological adaptations to diverse habitats has evolved. As well as living in the conventional habitats of lakes, ponds, rivers, rock pools and the open sea, fish have solved the problems of life in deserts, in the deep sea, in the cold antarctic, and in warm waters of high alkalinity or of low oxygen. Along with these adaptations, we find the most impressive specializations of morphology, physiology and behaviour. For example we can marvel at the high-speed swimming of the marlins, sailfish and warm-blooded tunas, air-breathing in catfish and lungfish, parental care in the mouth-brooding cichlids and viviparity in many sharks and toothcarps. Moreover, fish are of considerable importance to the survival of the human species in the form of nutritious, delicious and diverse food. Rational exploitation and management of our global stocks of fishes must rely upon a detailed and precise insight of their biology. The Chapman & Hall Fish and Fisheries Series aims to present timely volumes reviewing important aspects of fish biology. Most volumes will be of interest to research workers in biology, zoology, ecology and physiology but an additional aim is for the books to be accessible to a wide spectrum of non-specialist readers ranging from undergraduates and postgraduates to those with an interest in industrial and commercial aspects of fish and fisheries.

Book Information

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Customer Reviews

This book is a good guide to the fundamentals of fish swimming, hydrology, etc. It is missing a few

of the new publications, such as the work of James C Liao and his partners at Harvard. But that can be expected from a book of this age. Anyone starting out with looking at how fish perceive their environment and looking at energy expenditure etc should start out here and continue on to the other major works in this area (which shouldn't be hard by following Web of Knowledge to see who used this book as a reference).

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