



Ecological and Environmental Physiology Series

Series Editor: **Warren Burggren**

Volume 4—Fishes

Fishes have evolved to colonize almost every type of aquatic habitat and today they are a hugely diverse group of over 25,000 species. The evolution of this great diversity of species has resulted in a myriad of solutions to the demands posed by the aquatic environment.

Ecological and Environmental Physiology of Fishes presents a current and comprehensive overview of fish physiology to demonstrate how living fishes function in their environment. As with other books in the Series, the emphasis is on the unique physiological characteristics of fishes, but with applications to questions of broad relevance in physiological ecology. A preliminary chapter introduces the aquatic environment and gives a general description of fish biology, evolution, and taxonomy. Subsequent sections discuss the particular problems of living in water, life in extreme environments, the latest molecular techniques for studying fish ecophysiology, and future research directions.

This accessible text is suitable for both graduate level students and researchers in the fields of comparative fish physiology and physiological ecology, and those taking specialist courses in fish ecology. It will also be of relevance and use to professional fish biologists and aquaculturists seeking a concise but authoritative overview of the topic.

Each volume in the *Ecological and Environmental Physiology Series (EEPS)* focuses on the ecological and environmental physiology of a key taxon to provide a state-of-the-art review, synthesis, and consideration of future topics that are relevant to how organisms have evolved and coped with the environmental features of their habitats.

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