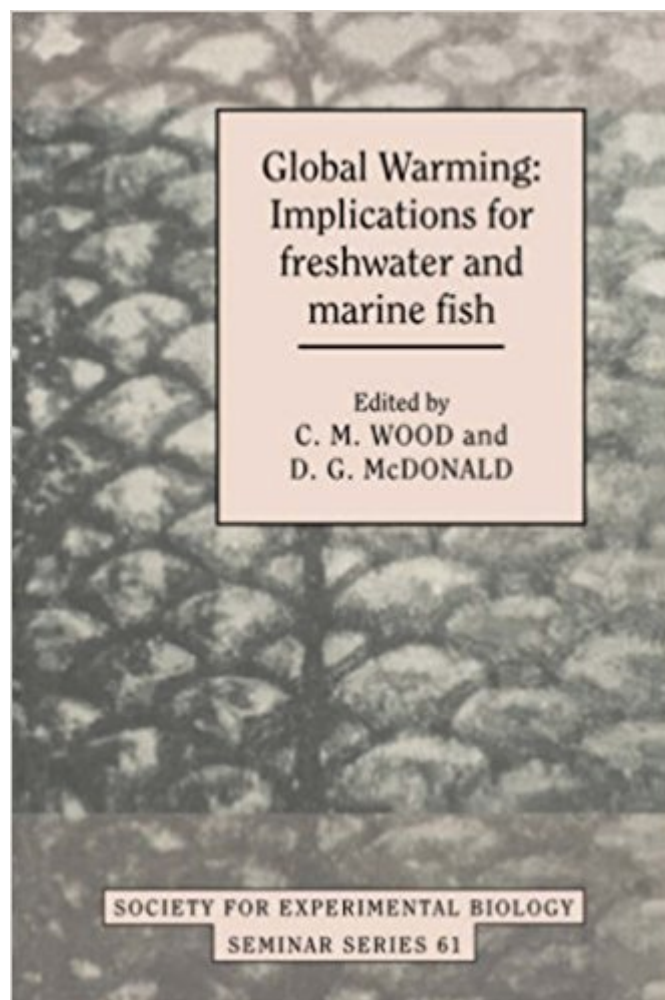




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Global Warming: Implications For Freshwater And Marine Fish (Society For Experimental Biology Seminar Series)



Synopsis

Global warming and climate change are growing environmental concerns. The potential impact on freshwater and marine fish is immense, because most fish have no physiological ability to regulate their body temperature. This volume focuses on the effects of temperature at all levels of organization in fish, with particular emphasis on physiological function: cells, epithelia, organ systems, the whole organism, reproduction, behavior, pollutant interactions, ecology and population dynamics. Written by experts in the field, many chapters also speculate on the long-term physiological and ecological implications to fish of a 2-4°C global warming scenario over the next half century.

Book Information

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"...Global Warming is an excellent source for the historical and current literature on fish thermal biology and for learning about the experimental approaches that can be applied to an additional factor likely to have an important effect on the future stability of world fisheries." Jeffrey B. Graham, Fisheries Oceanography

Fish cannot regulate their body temperature so are at the mercy of the environmental temperature. The potential impact of global warming on fish health and productivity is immense, with great economic and ecological implications. In this multi-authored book, our current state of knowledge on

the effects of temperature on freshwater and marine fish is reviewed by experts from a wide range of areas of fish physiology, reproduction, toxicology, behaviour and ecology. The possible effects on fish of a 2-4°C global warming scenario are examined, making this of great use to ecologists, physiologists and those involved in fisheries research and management.

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