



ICES Zooplankton Methodology Manual

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The term "zooplankton" describes the community of floating, often microscopic, animals that inhabit aquatic environments. Being near the base of the food chain, they serve as food for larger animals, such as fish.

The **ICES (International Council for the Exploration of the Sea) Zooplankton Methodology Manual** provides comprehensive coverage of modern techniques in zooplankton ecology written by a group of international experts. Chapters include sampling, acoustic and optical methods, estimation of feeding, growth, reproduction and metabolism, and up-to-date treatment of population genetics and modeling. This book will be a key reference work for marine scientists throughout the world.

- Sampling and experimental design
- Collecting zooplankton
- Techniques for assessing biomass and abundance
- Protozooplankton enumeration and biomass estimation
- New optical and acoustic techniques for estimating zooplankton biomass and abundance
- Methods for measuring zooplankton feeding, growth, reproduction and metabolism
- Population genetic analysis of zooplankton
- Modelling zooplankton dynamics

This unique and comprehensive reference work will be essential reading for marine and freshwater research scientists and graduates entering the field.

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Editorial Review

Review

"This is a highly technical and scientific text that should prove to be invaluable to marine research scientists and graduates. Well referenced to the scientific literature."

-NORTHEASTERN NATURALIST, 2005

From the Back Cover

Zooplankton are the diverse, delicate and often very beautiful, assemblage of animals that drift the waters of the world's oceans. This Manual provides a comprehensive account of modern methods for studying the microscopic animal plankton which form the basis of the food chains supporting all the world's major fisheries.

The International Council for the Exploration of the Sea (ICES) is the oldest intergovernmental organisation in the world concerned with marine and fisheries science. *ICES Zooplankton Methodology Manual* is authored by experts selected from both members of the ICES Working Group on Zooplankton and other international specialists. The chapters provide up-to-date reviews of methodology, detailing standard protocols and giving practical instruction on how to carry out measurements and procedures.

Key features and content:

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