



Amphibian Ecology and Conservation: A Handbook of Techniques (Techniques in Ecology & Conservation)

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This practical manual of amphibian ecology and conservation brings together a distinguished, international group of amphibian researchers to provide a state-of-the-art review of the many new and exciting techniques used to study amphibians and to track their conservation status and population trends. The integration of ecology and conservation is a natural outcome of the types of questions posed by these disciplines: how amphibians can and should be sampled, marked, and followed through time; how abundance and population trends are measured; what are the robust statistical methods that can be used in ecology and conservation; what roles do amphibians play in community structure and function; how do animals function in their environment; and what affects the long-term persistence of species assemblages?

Although emphasizing field ecology, sections on physiological ecology, genetics, landscape ecology, and disease analysis are also included. The book describes the latest statistical approaches in amphibian field ecology and conservation, as well as the use of models in interpreting field research. Much of this information is scattered in the scientific literature or not readily available, and the intention is to provide an affordable, comprehensive synthesis for use by graduate students, researchers, and practising conservationists worldwide.

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Editorial Review

Review

"The book is far more than a cookbook or field guide. It is a synthesis. I hope my fellow amphibian ecologists (and discerning ecologists specializing in other taxa and systems) will join me in thanking the many folks who made this handbook a reality; we, our students, and protégés will benefit for years to come."--*Bulletin of the Canadian Association of Herpetologists*

"This handbook is likely to serve as a valuable herpetological reference tool for years to come."-- *Bulletin of the British Ecological Society*

"This manual provides a state-of-the-art review of many new techniques used to study amphibians. RECOMMENDATION: For herpetologists and conservation biologists."--*Birdbooker Report*

"The current volume edited by Dodd is largely different than its predecessor, expanding some research areas, while adding several chapters on newer pertinent research foci. Noteworthy additions include chapters on amphibian molecular genetics, disease monitoring and biosecurity, landscape ecology, and GIS methods and rapid diversity assessments." -- *New Biological Books*

About the Author

C. Kenneth Dodd, Jr. is Associate Professor at the Department of Wildlife Ecology and Conservation, University of Florida. He was Research Zoologist at the Florida Integrated Science Center, US Geological Survey (1984-2007), where he was the southeastern Project Leader for the USGS Amphibian Research and Monitoring Initiative. He is the author of over 190 research and popular articles and has edited and written several books on amphibians and reptiles and their conservation. He was President of The Herpetologists' League (2002-2003) and the International Society for the Study and Conservation of Amphibians (2003-2005).

Users Review

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Have you spare time for a day? What do you do when you have more or little spare time? Yep, you can

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