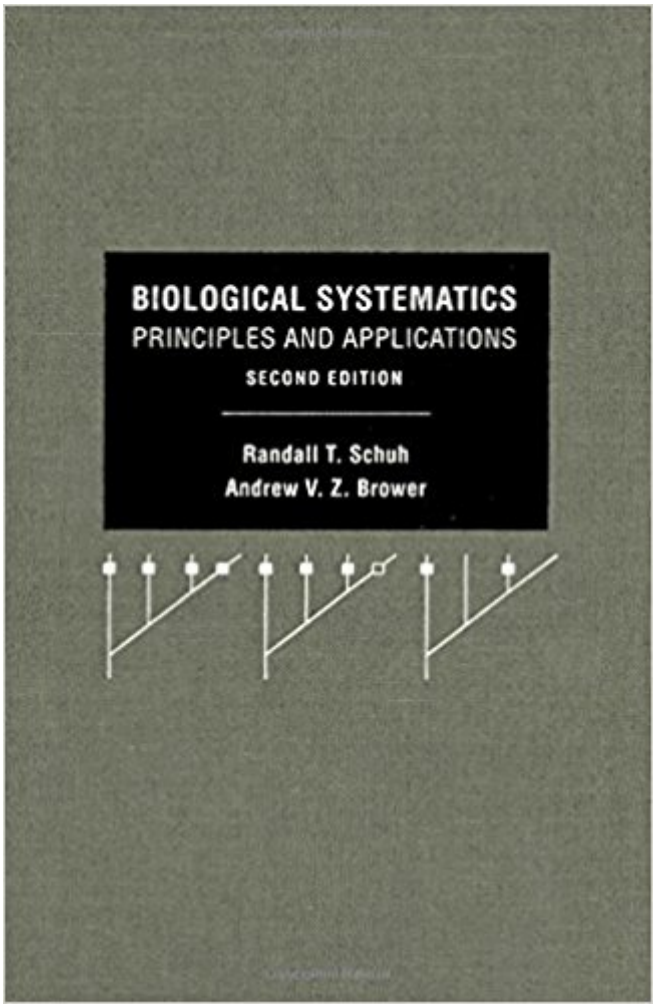
Biological Systematics: Principles And Applications, 2nd Edition



Synopsis

Biological Systematics: Principles and Applications draws equally from examples in botany and zoology to provide a modern account of cladistic principles and techniques. It is a core systematics textbook with a focus on parsimony-based approaches for students and biologists interested in systematics and comparative biology.In this new and thoroughly revised edition, Randall T. Schuh and Andrew V. Z. Brower cover a wide range of topics: the history and philosophy of systematics and nomenclature; the mechanics and methods of analysis and evaluation of results; the practical applications of results and wider relevance within biological classification, biogeography, adaptation and coevolution, biodiversity, and conservation; and new software applications.Updated to reflect the exponential growth in the use of DNA sequence data in systematics, the second edition of Biological Systematics features new data techniques and a notable increase in the number of examples from molecular systematics that will be of interest to students increasingly involved in molecular and genetic work.

Book Information

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Customer Reviews

"This is an excellent book. Written by a practicing systematist with a keen interest in the theoretical development of systematics, it has a blend of theory and empiricism that results in a very authoritative treatment. . . In total, I thoroughly recommend this book. . . It demands to be read as much for its readability as its content."â •Peter Forey, Paleontological Association Newsletter (reviewing the first edition)"This lovely book is a godsend to those of us who teach systematics. . . . I

believe that Biological Systematics is the best textbook currently available for courses focusing on the theory and practice of cladistics."â •Timothy M.Crowe, Cladistics (reviewing the first edition)

Randall T. Schuh is Curator in the Division of Invertebrate Zoology, American Museum of Natural History. He is the author of the first edition of Biological Systematics: Principles and Applications and coauthor of True Bugs of the World (Hemiptera: Heteroptera): Classification and Natural History, both from Cornell, as well as Plant Bugs of the World. Andrew V. Z. Brower is Associate Professor of Biology at Middle Tennessee State University.

This would be good for an upper division course in systematics for biology majors and for professionals too. I like the crisp, clear sentences that appear to have been carefully thought out before commitment to paper/file. Even the package, the pages and covers, are aesthetically pleasing. One critic wrote "Not a book for a biologist wanting to understand systematics" but it is this comment itself that fails the mark.

Dr. Schuh did a deep revision of the previously Systematic books.This book must be part for systematics or want to improve in this area.I recommend it together with Willey’s Phylogenetic book.

Excellent book! All people that want to be a systematist should be study it. Congratulations!

Perfect!

It is an awesome book which contains very good information about phylogeny and systematics in general. Who likes systematics cannot fail to have this book.

An extremely informative introduction to systematics. Breaks down foundational information/concepts in a way that makes them easy to understand and apply.

I added the "?" as this is very much an account of the narrow cladistic-phylogenetic approach to a vast subject, so the title could be misleading. Not a book for a biologist wanting to understand systematics, but rather a text for a graduate student working with such approaches.

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