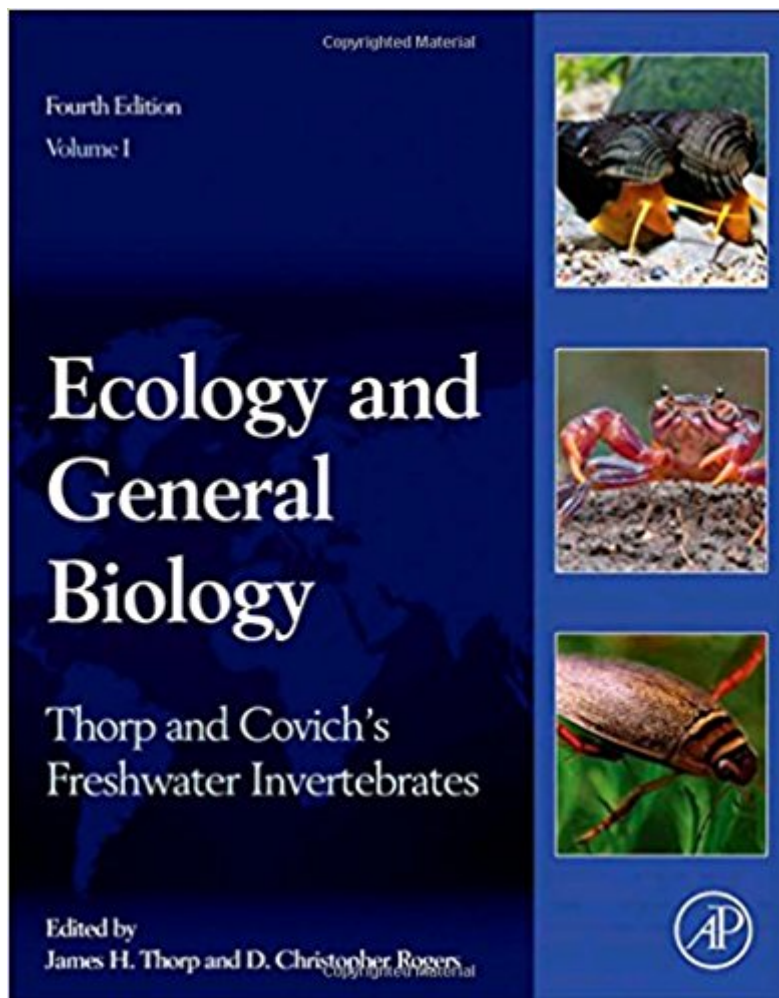




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Thorp And Covich's Freshwater Invertebrates, Fourth Edition: Ecology And General Biology



Synopsis

Readers familiar with the first three editions of *Ecology and Classification of North American Freshwater Invertebrates* (edited by J.H. Thorp and A.P. Covich) will welcome the comprehensive revision and expansion of that trusted professional reference manual and educational textbook from a single North American tome into a developing multi-volume series covering inland water invertebrates of the world. The series entitled *Thorp and Covich's Freshwater Invertebrates* (edited by J.H. Thorp) begins with the current Volume I: *Ecology and General Biology* (edited by J.H. Thorp and D.C. Rogers), which is designed as a companion volume for the remaining books in the series. Those following volumes provide taxonomic coverage for specific zoogeographic regions of the world, starting with *Keys to Nearctic Fauna* (Vol. II) and *Keys to Palaearctic Fauna* (Vol. III). Volume I maintains the ecological and general biological focus of the previous editions but now expands coverage globally in all chapters, includes more taxonomic groups (e.g., chapters on individual insect orders), and covers additional functional topics such as invasive species, economic impacts, and functional ecology. As in previous editions, the 4th edition of *Ecology and Classification of North American Freshwater Invertebrates* is designed for use by professionals in universities, government agencies, and private companies as well as by undergraduate and graduate students. Global coverage of aquatic invertebrate ecology. Discussions on invertebrate ecology, phylogeny, and general biology written by international experts for each group. Separate chapters on invasive species and economic impacts and uses of invertebrates. Eight additional chapters on insect orders and a chapter on freshwater millipedes. Four new chapters on collecting and culturing techniques, ecology of invasive species, economic impacts, and ecological function of invertebrates. Overall expansion of ecology and general biology and a shift of the even more detailed taxonomic keys to other volumes in the projected 9-volume series. Identification keys to lower taxonomic levels.

Book Information

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Readers familiar with the first three editions of Ecology and Classification of North American Freshwater Invertebrates (edited by J.H. Thorp and A.P. Covich) will welcome the comprehensive revision and expansion of the trusted professional reference manual and educational textbook, from a single North American tome into a developing multi-volume series covering inland water invertebrates of the world. The series entitled Thorp and Covich's Freshwater Invertebrates (edited by J.H. Thorp) begins with the current Volume I: Ecology and General Biology (edited by J.H. Thorp and D.C. Rogers), which is designed as a companion volume for the remaining books in the series. Those following volumes provide taxonomic coverage for specific zoogeographic regions of the world, starting with Keys to Nearctic Fauna (Vol. II) and Keys to Palearctic Fauna (Vol. III). Volume I maintains the ecological and general biological focus of the previous editions but now expands coverage globally in all chapters, includes more taxonomic groups (e.g., chapters on individual insect orders), and covers additional functional topics such as invasive species, economic impacts, and functional ecology. As in previous editions, the 4th edition of Ecology and Classification of North American Freshwater Invertebrates is designed for use by professionals in universities, government agencies, and private companies as well as by undergraduate and graduate students. Key Features of Volume I: Global coverage of aquatic invertebrate ecology. Discussions on invertebrate ecology, phylogeny, and

general biology written by international experts for each group.
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 Overall expansion of ecology and general biology and a shift of the even more detailed taxonomic keys to other volumes in the projected multi-volume series.
 Identification keys to lower taxonomic levels. Also from Elsevier J.H. Thorp & D.C. Rogers. 2010. Field Guide to Freshwater Invertebrates of North America. ISBN: 978-0-12-381426-5 The Field Guide to Freshwater Invertebrates of North America focuses on freshwater invertebrates that can be identified using at most an inexpensive magnifying glass. Consequently, the taxonomic level and overall biological coverage are not as detailed as in Thorp and Covich's Freshwater Invertebrates. This Guide is useful for experienced and amateur nature enthusiasts, college and high school students conducting class projects or going on field trips, and anglers looking for the best fish bait, lure, or fly.

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