



Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology)

By John D. Wehr

Download now

Read Online ➔

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr

Freshwater algae are among the most diverse and ubiquitous organisms on earth. They occupy an enormous range of ecological conditions from lakes and rivers to acidic peat swamps, inland saline lakes, snow and ice, damp soils, wetlands, desert soils, wastewater treatment plants, and are symbionts in and on many plants, fungi, and animals. In North America, the variety of freshwater habitats colonized by algae is very rich, and offers an enormous and fascinating range of environments for their study. They form the base of most aquatic food webs and are critical to studies of ecosystem health. Algal ecologists and taxonomists play an important role in the understanding of aquatic ecosystems: their biodiversity, productivity, interactions with other organisms, and water quality. This book provides in one volume a practical and comprehensive guide to the genera of freshwater algae known from North America. The format combines the necessary ecological, taxonomic and methodological information for all scientists working in aquatic environments, whether their specialty is in environmental monitoring and water quality assessment, biological composition, ecology, evolution, or molecular biology.

Key Features

- * The first complete accounting of North America's freshwater algal genera in more than 50 years
- * Includes a guide to the current literature on species identification in each group of algae
- * High-quality photographs and drawings of more than 770 genera
- * A clear, easy-to-use introductory key to the diagnostic chapters
- * Synthetic chapters on freshwater habitats, use of algae in environmental assessment, and control of nuisance algae
- * Contributions from 27 experts in all areas of freshwater algae
- * Extensive literature citations
- * Companion volume of *Ecology and Classification of North American Freshwater Invertebrates* 2nd edition, edited by Throp and Covich

 [Download Freshwater Algae of North America: Ecology and Cla ...pdf](#)

 [Read Online Freshwater Algae of North America: Ecology and C ...pdf](#)

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology)

By John D. Wehr

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr

Freshwater algae are among the most diverse and ubiquitous organisms on earth. They occupy an enormous range of ecological conditions from lakes and rivers to acidic peat swamps, inland saline lakes, snow and ice, damp soils, wetlands, desert soils, wastewater treatment plants, and are symbionts in and on many plants, fungi, and animals. In North America, the variety of freshwater habitats colonized by algae is very rich, and offers an enormous and fascinating range of environments for their study. They form the base of most aquatic food webs and are critical to studies of ecosystem health. Algal ecologists and taxonomists play an important role in the understanding of aquatic ecosystems: their biodiversity, productivity, interactions with other organisms, and water quality. This book provides in one volume a practical and comprehensive guide to the genera of freshwater algae known from North America. The format combines the necessary ecological, taxonomic and methodological information for all scientists working in aquatic environments, whether their specialty is in environmental monitoring and water quality assessment, biological composition, ecology, evolution, or molecular biology.

Key Features

- * The first complete accounting of North America's freshwater algal genera in more than 50 years
- * Includes a guide to the current literature on species identification in each group of algae
- * High-quality photographs and drawings of more than 770 genera
- * A clear, easy-to-use introductory key to the diagnostic chapters
- * Synthetic chapters on freshwater habitats, use of algae in environmental assessment, and control of nuisance algae
- * Contributions from 27 experts in all areas of freshwater algae
- * Extensive literature citations
- * Companion volume of *Ecology and Classification of North American Freshwater Invertebrates* 2nd edition, edited by Throp and Covich

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr
Bibliography

- Sales Rank: #3470112 in eBooks
- Published on: 2002-12-15
- Released on: 2002-12-15
- Format: Kindle eBook

 [Download Freshwater Algae of North America: Ecology and Cla ...pdf](#)

 [Read Online Freshwater Algae of North America: Ecology and C ...pdf](#)

Download and Read Free Online Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr

Editorial Review

Review

"Freshwater phycologists and aquatic microscopists will welcome this book as the first comprehensive, single-volume treatment of the freshwater algae in over half a century...The Editors and their Contributors have done an outstanding job in synthesizing this mass of data, and there is no doubt that this work will be a standard reference, to be followed by up-dated editions."

-MODERN MICROSCOPY JOURNAL (2005)

"This is an excellent book that provides extensive taxonomic information that has previously been difficult to access by any but taxonomic specialists. ...Any student, researcher, or environmental management professional who routinely works with freshwater ecology should have access to this authoritative and thorough book."

?Walter Doods, Kansas State University (August 2002)

"This will be a welcome addition to the shelf of phycological researchers and teachers. The coverage is comprehensive both taxonomically in the range of ecological topics. For those of us specializing in freshwater algae, whether it be identifying them or studying their ecology, this kind of text will be an invaluable reference work."

?Richard M. McCourt, Associate Curator of Botany, The Academy of Natural Sciences (2002)

"...finally after half a century we freshwater phycologists have a single, comprehensive volume that updates G.M. Smith's Freshwater Algae of the United States. It is truly impressive work...Students, water management types and experienced phycologists will all feel the need to dig out their plankton nets and scum scrapers, resurrect their hip boots and make some wet mounts just to get a chance to use this book."

?James Wee, Loyola University (2002)

About the Author

Dr. James H. Thorp has been a Professor in the Department of Ecology and Evolutionary Biology at the University of Kansas (Lawrence, KS, USA) and a Senior Scientist in the Kansas Biological Survey since 2001. Prior to returning to his alma mater, Prof. Thorp was a Distinguished Professor and Dean at Clarkson University, Department Chair and Professor at the University of Louisville, Associate Professor and Director of the Calder Ecology Center of Fordham University, Visiting Associate Professor at Cornell, and Research Ecologist at the University of Georgia's Savannah River Ecology Laboratory. He received his Baccalaureate from the University of Kansas (KU) and both Masters and Ph.D. degrees from North Carolina State. Those degrees focused on zoology, ecology, and marine biology, with an emphasis on the ecology of freshwater and marine invertebrates. Dr. Thorp is currently on the editorial board of two journals (River Research and Applications and River Systems) and is a former President of the International Society for River Science. He teaches freshwater, marine, and general ecological courses at KU, and his Masters and doctoral graduate students work on various aspects of the ecology of organisms, communities, and ecosystems in rivers, reservoirs, and wetlands. Prof. Thorp's research interests and background are highly diverse and span the gamut from organismal biology to community, ecosystem, and macrosystem ecology. He works on both fundamental and applied research topics using descriptive, experimental, and modeling approaches in the field and lab. While his research emphasizes aquatic invertebrates, he also studies fish ecology, especially as related to food webs. He has published more than one hundred refereed journal articles, books, and chapters, including three single-volume editions of Ecology and Classification of North American Freshwater

Invertebrates (edited by J.H. Thorp and A.P. Covich) and the first volume (Ecology and General Biology) in the current fourth edition.

Users Review

From reader reviews:

Frank Miller:

Reading a e-book can be one of a lot of task that everyone in the world likes. Do you like reading book consequently. There are a lot of reasons why people enjoy it. First reading a e-book will give you a lot of new details. When you read a reserve you will get new information since book is one of numerous ways to share the information or perhaps their idea. Second, reading a book will make you actually more imaginative. When you reading a book especially tale fantasy book the author will bring you to definitely imagine the story how the characters do it anything. Third, you could share your knowledge to other individuals. When you read this Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology), you can tells your family, friends along with soon about yours publication. Your knowledge can inspire average, make them reading a e-book.

Bobby Miller:

You may spend your free time to study this book this reserve. This Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) is simple to create you can read it in the area, in the beach, train in addition to soon. If you did not get much space to bring the particular printed book, you can buy the e-book. It is make you easier to read it. You can save typically the book in your smart phone. Consequently there are a lot of benefits that you will get when one buys this book.

Teresa Vanhook:

Many people spending their time frame by playing outside having friends, fun activity together with family or just watching TV all day long. You can have new activity to pay your whole day by reading through a book. Ugh, do you think reading a book can actually hard because you have to take the book everywhere? It all right you can have the e-book, bringing everywhere you want in your Cell phone. Like Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) which is obtaining the e-book version. So , why not try out this book? Let's see.

Elliott Salazar:

This Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) is fresh way for you who has attention to look for some information as it relief your hunger details. Getting deeper you onto it getting knowledge more you know or perhaps you who still having small amount of digest in reading this Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) can be the light food to suit your needs because the information inside this book is easy to get by anyone. These books build itself in the form and that is reachable by anyone, yeah I mean in the e-book type. People who think that in guide form make them feel tired even dizzy this book is the answer. So there is not any in reading a guide

especially this one. You can find actually looking for. It should be here for anyone. So , don't miss the idea!
Just read this e-book type for your better life along with knowledge.

**Download and Read Online Freshwater Algae of North America:
Ecology and Classification (Aquatic Ecology) By John D. Wehr
#OZYKDJNBACM**

Read Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr for online ebook

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr books to read online.

Online Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr ebook PDF download

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr Doc

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr Mobipocket

Freshwater Algae of North America: Ecology and Classification (Aquatic Ecology) By John D. Wehr EPub