



Plant Systematics: A Phylogenetic Approach, Third Edition

By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue



Download



Read Online



Get Print Book

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue

A comprehensive introduction to vascular plant phylogeny, the Third Edition of Plant Systematics reflects changes in the circumscription of many orders and families to represent monophyletic groups, following the most recent classification of the Angiosperm Phylogeny Group. The taxonomic evidence described includes data from morphology, anatomy, embryology, chromosomes, palynology, secondary plant compounds, proteins, and DNA. Molecular taxonomic methods are fully presented, as are the results of many recent studies, both molecular and morphological. A chapter on the history of plant classification puts current systematic methods into historical context. Issues relating to variation in plant populations and species, including speciation and species concepts, polyploidy, hybridization, breeding systems, and introgression are carefully considered. Appendices cover botanical nomenclature as well as field and herbarium methodology. The text is copiously illustrated, using in large part the informative analytical drawings developed as part of the Generic Flora of the Southeastern United States project.



[Download Plant Systematics: A Phylogenetic Approach, Third ...pdf](#)



[Read Online Plant Systematics: A Phylogenetic Approach, Thir ...pdf](#)

Plant Systematics: A Phylogenetic Approach, Third Edition

By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue

A comprehensive introduction to vascular plant phylogeny, the Third Edition of Plant Systematics reflects changes in the circumscription of many orders and families to represent monophyletic groups, following the most recent classification of the Angiosperm Phylogeny Group. The taxonomic evidence described includes data from morphology, anatomy, embryology, chromosomes, palynology, secondary plant compounds, proteins, and DNA. Molecular taxonomic methods are fully presented, as are the results of many recent studies, both molecular and morphological. A chapter on the history of plant classification puts current systematic methods into historical context. Issues relating to variation in plant populations and species, including speciation and species concepts, polyploidy, hybridization, breeding systems, and introgression are carefully considered. Appendices cover botanical nomenclature as well as field and herbarium methodology. The text is copiously illustrated, using in large part the informative analytical drawings developed as part of the Generic Flora of the Southeastern United States project.

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue **Bibliography**

- Sales Rank: #691034 in Books
- Brand: Brand: Sinauer Associates
- Published on: 2007-07-31
- Original language: English
- Number of items: 1
- Dimensions: 1.16" h x 8.54" w x 10.77" l, 3.65 pounds
- Binding: Hardcover
- 620 pages



[Download Plant Systematics: A Phylogenetic Approach, Third ...pdf](#)



[Read Online Plant Systematics: A Phylogenetic Approach, Thir ...pdf](#)

Editorial Review

Review

" ... There is much to laud in this work." --*Mark Fishbein, The Quarterly Review of Biology*

I loved this textbook as it holds everything one needs to know about plants: families, floral formulas, distribution and ecology, genera and species, economic plants and products, references of articles and books, figures, phylogenetic trees and morphological character states, and a large discussion on DNA and problematic phylogenetic positions of groups. In addition, keys are provided along with pictures, tables of diagnostic features of some subfamilies, a nice glossary, and a DVD. ... I recommend this textbook for any classes that are botany-related, for any research projects that are botany-related, and any naturalist groups that are botany-related. Plants are wonderful: let people know more about them. --*Virginie H. Raquet, Journal of the Botanical Research Institute of Texas*

I loved this textbook as it holds everything one needs to know about plants: families, floral formulas, distribution and ecology, genera and species, economic plants and products, references of articles and books, figures, phylogenetic trees and morphological character states, and a large discussion on DNA and problematic phylogenetic positions of groups. In addition, keys are provided along with pictures, tables of diagnostic features of some subfamilies, a nice glossary, and a DVD. ... I recommend this textbook for any classes that are botany-related, for any research projects that are botany-related, and any naturalist groups that are botany-related. Plants are wonderful: let people know more about them. --*Virginie H. Raquet, Journal of the Botanical Research Institute of Texas*

I loved this textbook as it holds everything one needs to know about plants: families, floral formulas, distribution and ecology, genera and species, economic plants and products, references of articles and books, figures, phylogenetic trees and morphological character states, and a large discussion on DNA and problematic phylogenetic positions of groups. In addition, keys are provided along with pictures, tables of diagnostic features of some subfamilies, a nice glossary, and a DVD. ... I recommend this textbook for any classes that are botany-related, for any research projects that are botany-related, and any naturalist groups that are botany-related. Plants are wonderful: let people know more about them. --*Virginie H. Raquet, Journal of the Botanical Research Institute of Texas*

About the Author

WALTER S. JUDD, University of Florida, USA. CHRISTOPHER S. CAMPBELL, University of Maine, USA. ELIZABETH A. KELLOGG, University of Missouri-St. Louis, USA. PETER F. STEVENS, University of Missouri-St. Louis and Missouri Botanical Garden, USA. MICHAEL J. DONOGHUE, Yale University, USA.

Users Review

From reader reviews:

Dennis Thorpe:

Book is to be different for each and every grade. Book for children right up until adult are different content. To be sure that book is very important normally. The book *Plant Systematics: A Phylogenetic Approach*,

Third Edition ended up being making you to know about other know-how and of course you can take more information. It is quite advantages for you. The reserve Plant Systematics: A Phylogenetic Approach, Third Edition is not only giving you far more new information but also to become your friend when you experience bored. You can spend your personal spend time to read your book. Try to make relationship together with the book Plant Systematics: A Phylogenetic Approach, Third Edition. You never feel lose out for everything when you read some books.

Melvin Groth:

Now a day people who Living in the era exactly where everything reachable by connect to the internet and the resources inside it can be true or not call for people to be aware of each information they get. How people have to be smart in getting any information nowadays? Of course the reply is reading a book. Studying a book can help folks out of this uncertainty Information mainly this Plant Systematics: A Phylogenetic Approach, Third Edition book because book offers you rich details and knowledge. Of course the data in this book hundred percent guarantees there is no doubt in it you probably know this.

Ross Fletcher:

The experience that you get from Plant Systematics: A Phylogenetic Approach, Third Edition is the more deep you searching the information that hide into the words the more you get considering reading it. It doesn't mean that this book is hard to be aware of but Plant Systematics: A Phylogenetic Approach, Third Edition giving you thrill feeling of reading. The author conveys their point in specific way that can be understood by means of anyone who read it because the author of this book is well-known enough. This particular book also makes your own personal vocabulary increase well. It is therefore easy to understand then can go together with you, both in printed or e-book style are available. We advise you for having this specific Plant Systematics: A Phylogenetic Approach, Third Edition instantly.

Kenneth Jordan:

Hey guys, do you really wants to finds a new book to study? May be the book with the concept Plant Systematics: A Phylogenetic Approach, Third Edition suitable to you? Typically the book was written by popular writer in this era. The actual book untitled Plant Systematics: A Phylogenetic Approach, Third Edition is the one of several books which everyone read now. That book was inspired lots of people in the world. When you read this guide you will enter the new age that you ever know ahead of. The author explained their strategy in the simple way, consequently all of people can easily to recognise the core of this book. This book will give you a wide range of information about this world now. To help you see the represented of the world with this book.

Download and Read Online Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S.

**Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J.
Donoghue #M1XN4Q589VD**

Read Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue for online ebook

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue 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 Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue books to read online.

Online Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue ebook PDF download

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue Doc

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue Mobipocket

Plant Systematics: A Phylogenetic Approach, Third Edition By Walter S. Judd, Christopher S. Campbell, Elizabeth A. Kellog, Peter F. Stevens, Michael J. Donoghue EPub