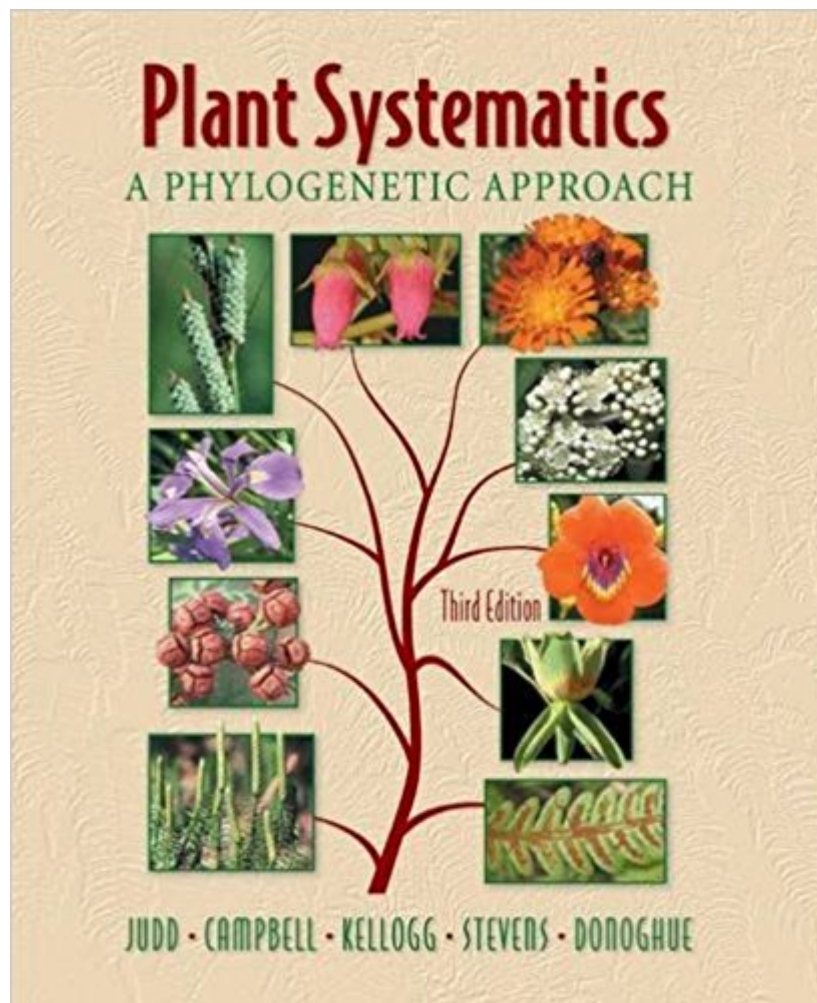




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Plant Systematics: A Phylogenetic Approach, Third Edition



Synopsis

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.

Book Information

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Customer Reviews

"... 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

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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.

This is just the book I've been looking for. I'm a amateur botanist of sorts, interested in trees and their lineages, but could never find a book that went very far past the genus and family, with practically nothing on the overall shifts in cladistics. This book has only a small amount on each genus or family, but it's more than I'm used to, and the explanatory chapters are fine. (Yes, tough reading, but this is current botany!)

The book is good. The print quality, especially the colour picture is not as good as the former copy.

Very useful book, great pics, plus it has recipes.

This book is the epitome of Phylogenetic information for anyone interested in Botany. I got this for a University Plant Taxonomy class, but I use it all the time for reference. A lovely CD accompanies this book and is an additional assistance to study. I wouldn't be without this book. It also arrived in perfect condition, packed really nice, and FAST, too. And at a much better price than other sellers, thank you very much for the opportunity to purchase this great botanical book !

Great textbook for a great price

I have not started studying this book yet. I am using this in my plant studies with other books and plant knowledge resources. I have perused this book in planning my studies. There is much information in this book. It should be an excellent resource for my self-directed studies.

That, is so good and useful for getting basic information on Plant Systematics and to some extent Botany. When I bought it, two chapters were studied first and was updated completely with scientific papers and so on than second edition. I suppose this book to students.

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