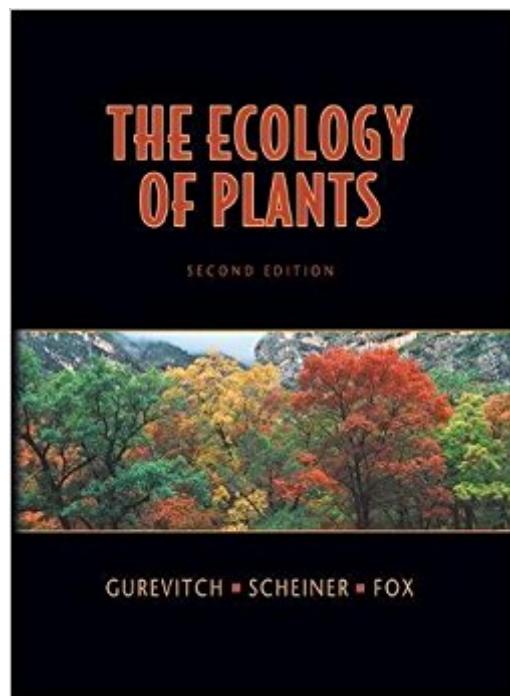


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# The Ecology Of Plants, Second Edition



## Synopsis

Now in full color, this thoroughly revised and updated second edition of *The Ecology of Plants* incorporates many new illustrations and hundreds of new references. The text covers a range of topics that you might find in a general ecology textbook, but with the focus on the interactions between plants and their environment over a range of scales. Some of the subjects covered are unique to plants, such as photosynthesis and the ecology of plant--soil interactions; other topics, such as resource and mate acquisition, emphasize the distinctive ways plants (in contrast to mobile animals) deal with their environments. The book is unusual in emphasizing the importance of evolutionary and other historical processes for current ecology. Throughout the text, human environmental influences are discussed. While the book is written for an undergraduate college course in plant ecology, the engaging style, thorough coverage of the field, and contemporary perspective make it accessible and useful to others as well, from graduate students in conservation biology to evolutionary biologists and resource managers.

For Instructors/Instructor's Resource CD: This resource includes all the textbook's figures, photographs, and tables, available as JPEGs (high- and low-resolution) and in PowerPoint.

## Book Information

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## Customer Reviews

"This is the only volume I have seen that contains a good treatment of evolutionary and physiological ecology, as well as more traditional topics such as competition and herbivory, vegetation types, and biomes. Overall, this useful book, beautifully laid out and well written, fills an important gap in the educational literature on plant ecology. It is up to date and quantitatively

sophisticated, and it provides a nice balance between presentation of facts and concepts and narration of evocative examples. I plan to continue to use this volume in my course and recommend it highly."--Ingrid M. Parker, *The Quarterly Review of Biology*"Overall, *The Ecology of Plants* provides a useful and complete tool to teach plant ecology to undergraduate students. Therefore, I strongly recommend it."--Stéphanie Boudreau, *Écoscience*

Jessica Gurevitch is Professor in the Department of Ecology and Evolution at the State University of New York at Stony Brook. She earned a B.S. in Biological Sciences (Ecology, Evolution, and Systematics) at Cornell University, and a Ph.D. in Ecology and Evolutionary Biology at the University of Arizona. Research projects currently underway include empirical, experimental and modeling approaches to studying pine demography, and experimental studies of plant invasions in forests. Samuel M. Scheiner is currently working for the U.S. federal government. Previously he was on the faculties of Arizona State University, Northern Illinois University, and the University of Arizona. He earned his B.A., M.S., and Ph.D., all in Biology, from the University of Chicago. Dr. Scheiner's research has been involved equally with plants and animals, the theoretical and the empirical, including population genetics, physiological ecology, population biology, and macroecology. Currently, his research centers on three issues: phenotypic plasticity, measuring natural selection, and both theoretical and empirical work on large-scale patterns of species diversity. Gordon A. Fox is Associate Professor of Biology at the University of South Florida. He earned a B.A. in History at the University of California, Berkeley and a Ph.D. in Ecology and Evolutionary Biology at the University of Arizona, where he researched the ecology, genetics, and evolution of annual plants in the Sonoran and Chihuahuan Deserts. His postdoctoral work at the University of California, Davis concentrated on theoretical population genetics. His current research interests include: population dynamics of plants in a stochastic world; the ecology of populations in fire-prone regions; the ecology and evolution of reproductive timing in plants; and applications of population ecology to conservation of endangered plants.

This is a good text book. I enjoyed how it is written and all of the examples of current ecology studies.

Well written and easy to understand.

Good book - a bit expensive!

It came quickly and serves it's purpose.

Excellent condition.All good.

Shipped right on schedule and it was brand new as described!!!

great

This book is a good choice for anyone who is a beginning to an experienced Ecologist. With the content in this book you are able to retouch on some of the most common principles of plant ecology, while also reviewing the finer points in more advanced areas. This book is also serving as a great desk reference in my workplace. It would be beneficial for Ecologist, Environmentalist, or Natural Resources Specialist.

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