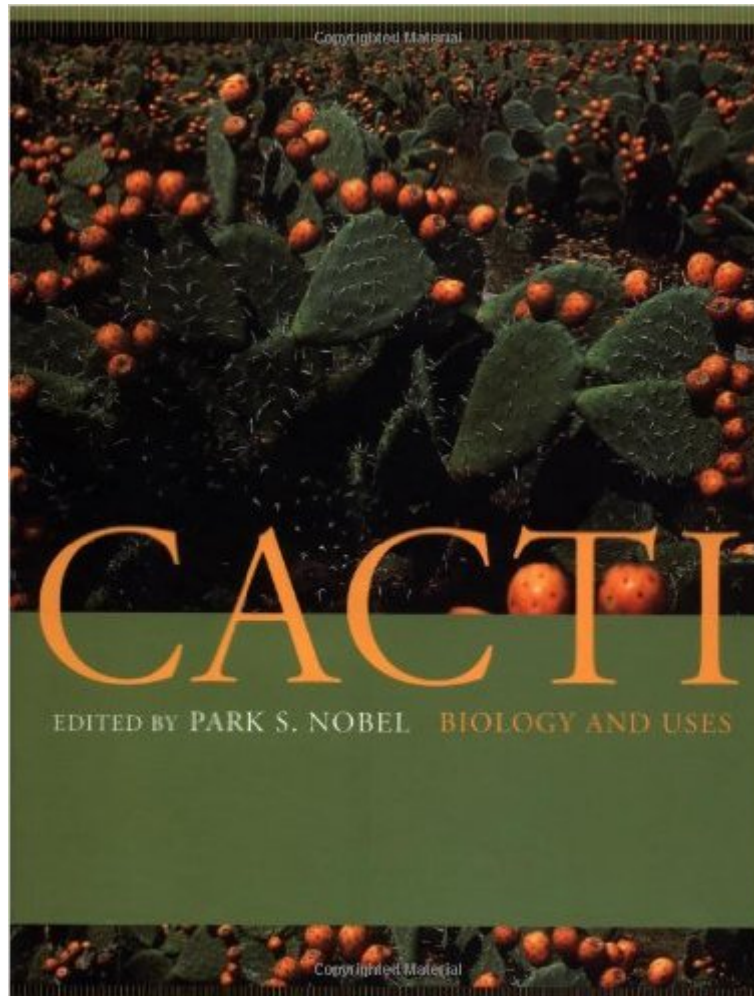


The book was found

Cacti: Biology And Uses



Synopsis

The Cactaceae family, with about sixteen hundred species, is cultivated worldwide for fruits, forage, fodder, and even as a vegetable. Cacti are recognized for their attractive flowers, special stem shapes, and ability to tolerate drought. Because of their efficient use of water and other adaptations, biological and agronomic interest in cacti has soared. These fascinating plants also have much to teach us about biodiversity and conservation. Yet a current, synthetic, wide-ranging reference on cacti has not been available until now. This comprehensive book, compiled by a well-known cactus biologist, includes authoritative, up-to-date chapters by thirty-five contributors from around the world on topics ranging from evolution to biotechnology. It is the first book of its kind to compile information on cactus biology, ecology, and uses in one convenient place. The first half of the book provides a thorough overview of cactus biology and morphology and discusses the environmental and conservation issues that affect the plants. It includes a discussion of the evolution of the family, paying particular attention to new genetic and molecular approaches. The second half of the book focuses on the practical concerns of cultivating cacti, such as pest control and diseases, horticultural and forage applications, and techniques for agronomy. Other chapters cover the different markets for cacti and products that are made from them. This unique volume will be a reliable and informative reference for ecologists and environmentalists, agriculturists, plant biologists, and anyone seriously interested in these remarkable plants.

Book Information

Hardcover: 290 pages

Publisher: University of California Press; 1st edition (July 10, 2002)

Language: English

ISBN-10: 0520231570

ISBN-13: 978-0520231573

Product Dimensions: 8.5 x 0.9 x 11 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #1,271,286 in Books (See Top 100 in Books) #70 in [Books > Science & Math > Biological Sciences > Plants > Cacti & Succulents](#) #2035 in [Books > Science & Math > Biological Sciences > Botany](#) #30099 in [Books > Science & Math > Nature & Ecology](#)

Customer Reviews

This is an advanced book, with plenty of black and white photos, but no color photos. This book

consists of fifteen review chapters written by established experts and new contributors. The book description states that *Cacti: Biology and Uses* is the first book of its kind to compile information on cactus biology, ecology and uses. Because this book covers a wide variety of topics, such as biology, morphology, conservation, pollination, and pest control, the writing is quite advanced in several different subject areas. For example, a physiologist may totally understand the chapter on shoot anatomy and morphology (Chapter 2), but may have less understanding of the chapter about breeding and biotechnology (Chapter 15). In Chapter 10 alone (Cactus Pear Fruit Production) a reader finds economic content with a supply and demand analysis and agronomic content with fertilizer and irrigation information. This seems to validate the book's description as a compilation of cacti information. As previously mentioned, *Cacti: Biology and Uses* does not have any color photos, but it does have many, quality black and white photos, as well as many tables and figures. A basic table of contents is printed in the front, and then, each chapter begins with a more detailed table of contents. Each chapter ends with a conclusion and an extensive list of literature cited. An index, with some "See" and "See also" references, is provided in the back. This is a high quality book who are interested in the biology, ecology or uses of a unique family of plants.

It's a good book. Great information of cacti, how they grow, ect. Also has a great practical uses section. Some of the language in the first seven chapters or so is a bit technical for non-botanist folk (like me!)- but with a little bit of work the book is very understandable. Overall the book provides a great view of where Cacti stand as an edible food crop on both local and world wide scales, and presents some of the difficulties with marketing this drought resistant (yet tasty) crop. For anyone interested in sustainable agriculture in the Southwest or desert countries it is a great source of background information.

I chose this reading so that I could design a research project on *Opuntia ficus indica*. I liked the information that comes from around the world, it was however repetitive about some information.

[Download to continue reading...](#)

Cacti: Biology and Uses Power Laws, Scale-Free Networks and Genome Biology (Molecular Biology Intelligence Unit) Handbook of Freshwater Fishery Biology, Volume 2: Life History Data on centrarchid Fishes of the United States and Canada (Handbook of Freshwater Fishery Biology) Biology and Ecology of Earthworms (Biology & Ecology of Earthworms) CliffsNotes AP Biology, Fourth Edition (Cliffs Ap Biology) Sterling SAT Biology E/M Practice Questions: High Yield SAT Biology E/M Questions Sterling AP Biology Practice Questions: High Yield AP Biology Questions

McGraw-Hill's SAT Subject Test: Biology E/M, 2/E (McGraw-Hill's SAT Biology E/M) Kaplan GRE Subject Test: Biology (Kaplan GRE Biology) 5th edition The Biology of Coral Reefs (Biology of Habitats Series) The Biology of Deserts (Biology of Habitats Series) The Biology of Freshwater Wetlands (Biology of Habitats) McGraw-Hill's SAT Subject Test Biology E/M, 3rd Edition (McGraw-Hill's SAT Biology E/M) Kaplan GRE Exam Subject Test: Biology 2009-2010 Edition (Kaplan Gre Biology) Sterling DAT Biology Practice Questions: High Yield DAT Biology Questions Sterling CLEP Biology Practice Questions: High Yield CLEP Biology Questions Principles of Bone Biology, Third Edition (Bilezikian, Principles of Bone Biology 2 Vol Set) Nature's Patterns and Designs Coloring Books: Succulents and Cacti (S M Coloring and Shading Books) (Volume 13) Simon & Schuster's Guide to Cacti and Succulents: An Easy-to-Use Field Guide With More Than 350 Full-Color Photographs and Illustrations Cacti and Succulents: An Illustrated Guide to the Plants and their Cultivation

[Dmca](#)