

Plant Physiology Lincoln Taiz

Se trata de la primera versión en castellano de la gran obra Plant Physiology (third edition), uno de los mejores libros de fisiología vegetal, referente imprescindible para investigadores y estudiantes, que en esta edición se presenta en dos volúmenes y CD Rom "Plant Physiology, Fifth Edition continues to set the standard for textbooks in the field, making plant physiology accessible to virtually every student. Authors Lincoln Taiz and Eduardo Zeiger have again collaborated with a stellar group of contributing plant biologists to produce a current and authoritative volume that incorporates all the latest findings. Changes for the new edition include: A newly updated chapter (Chapter 1) on Plant Cells, including new information on the endomembrane system, the cytoskeleton, and the cell cycle, A new chapter (Chapter 2) on Genome Structure and Gene Expression, A new chapter (Chapter 14) on Signal Transduction. Updates on recent developments in the light reactions and the biochemistry of photosynthesis, respiration, ion transport, and water relations. In the phytochrome, blue-light, hormone and development chapters, new information about signaling pathways, regulatory mechanisms, and agricultural applications. Coverage of recent breakthroughs on the control of flowering. Three new Appendices on Concepts of Bioenergetics, Plant Kinematics, and Hormone Biosynthetic Pathways As with prior editions, the Fifth Edition is accompanied by a robust Companion Website. New material has been added here as well, including new Web Topics and Web Essays."--P. 4 de la cov.

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This book provides basic and quick information about various important concepts in plant and crop physiology. It would help the post graduate and undergraduate students best. Can act as ready reckoner of basic plant physiology for various competitive examinations.

Leaves are all around us—in backyards, cascading from window boxes, even emerging from small cracks in city sidewalks given the slightest glint of sunlight. Perhaps because they are everywhere, it’s easy to overlook the humble leaf, but a close look at them provides one of the most enjoyable ways to connect with the natural world. A lush, incredibly informative tribute to the leaf, Nature’s Fabric offers an introduction to the science of leaves, weaving biology and chemistry with the history of the deep connection we feel with all things growing and green. Leaves come in a staggering variety of textures and shapes: they can be smooth or rough, their edges smooth, lobed, or with tiny teeth. They have adapted to their environments in remarkable, often stunningly beautiful ways—from the leaves of carnivorous plants, which have tiny “trigger hairs” that signal the trap to close, to the impressive defense strategies some leaves have evolved to reduce their consumption. (Recent studies suggest, for example, that some plants can detect chewing vibrations and mobilize potent chemical defenses.) In many cases, we’ve learned from the extraordinary adaptations of leaves, such as the invention of new self-cleaning surfaces inspired by the slippery coating found on leaves. But we owe much more to leaves, and Lee also calls our attention back to the fact that that our very lives—and the lives of all on the planet—depend on them. Not only is foliage is the ultimate source of food for every living thing on land, its capacity to cycle carbon dioxide and oxygen can be considered among evolution’s most important achievements—and one that is critical in mitigating global climate change. Taking readers through major topics like these while not losing sight of the small wonders of nature we see every day—if you’d like to identify a favorite leaf, Lee’s glossary of leaf characteristics means you won’t be left out on a limb—Nature’s Fabric is eminently readable and full of intriguing research, sure to enhance your appreciation for these extraordinary green machines.

Published by Sinauer Associates, an imprint of Oxford University Press. Throughout its twenty-two year history, the authors of Plant Physiology and Development have continually updated the book to incorporate the latest advances in plant biology and implement pedagogical improvements requested by adopters. This has made Plant Physiology and Development the most authoritative, comprehensive, and widely-used upper-division plant biology textbook.

Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780872893795. This item is printed on demand.

Perfectly timed, this handbook covers many important aspects of the topic that have only recently been understood -- making this a truly comprehensive work. With its extensive use of color, it surveys the most important proteins involved in photosynthesis, discussing the structural information we have at our disposal. Most chapters are dedicated to one protein, while a few also summarize general associated concepts. The book also has an accompanying website that contains data files and animations to allow readers to visualize many of the complicated proteins presented. A must for anyone studying photosynthesis and structural biology, as well as those working in the plant and crop biotechnology industry.

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Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780878935116 .

Creating Urban Agriculture Systems provides you with background, expertise, and inspiration for designing with urban agriculture. It shows you how to grow food in buildings and cities, operate growing systems, and integrate them with natural cycles and existing infrastructures. It teaches you the essential environmental inputs and operational strategies of urban farms, and inspires community and design tools for innovative operations and sustainable urban environments that produce fresh, local food. Over 70 projects and 16 in-depth case studies of productive, integrated systems, located in North America, Europe, and Asia ,are organized by their emphasis on nutrient, water, and energy management, farm operation, community integration and design approaches so that you can see innovative strategies in action. Interviews with leading architecture firms, including WORKac, Kiss + Cathcart, Weber Thompson, CJ Lim/Studio 8, and SOA Architectes, highlight the challenges and rewards you face when creating urban agriculture systems. Catalogs of growing and building systems, a glossary, bibliography, and abstracts will help you find information fast.

A condensed version of the best-selling Plant Physiology and Development, this fundamentals version is intended for courses that focus on plant physiology with little or no coverage of development. Concise yet comprehensive, this is a distillation of the most important principles and empirical findings of plant physiology.

Biochemical reactions, which facilitate metabolic and / or photosynthetic changes in each life form through the actions of enzymes, make all life possible. This insightful volume considers the various types, causes, and results of different reactions that operate at

been added.

Biographic Memoirs Volume 86 contains the biographies of deceased members of the National Academy of Sciences and bibliographies of their published works. Each biographical essay was written by a member of the Academy familiar with the professional career of the deceased. For historical and bibliographical purposes, these volumes are worth returning to time and again.

Biochemistry addresses the diverse needs of premed, biochemistry, and life science majors by presenting relevant material while still preserving a chemical perspective. Presented within the next generation of WileyPLUS, Biochemistry emphasizes worked problems through video walkthroughs, interactive elements and expanded end-of-chapter problems with a wide range of subject matter and difficulty. The worked problems in the course are both qualitative and quantitative and model for students the biochemical reasoning they need to practice. Students will often be asked to analyze data and make critical assessments of experiments.

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