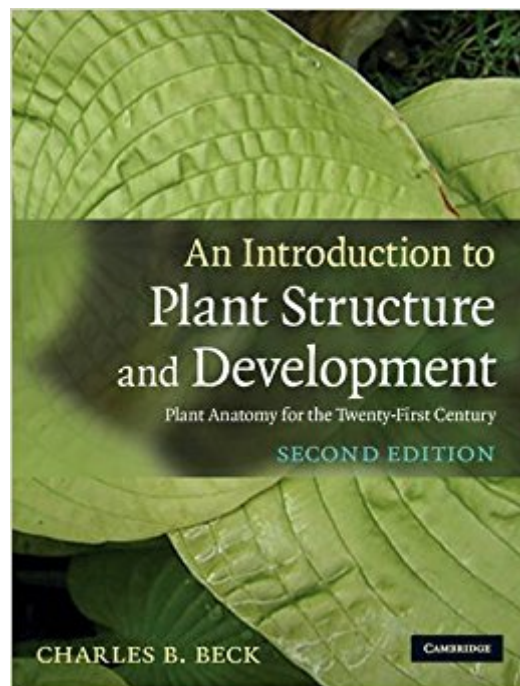




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An Introduction To Plant Structure And Development: Plant Anatomy For The Twenty-First Century



Synopsis

A plant anatomy textbook unlike any other on the market today. Carol A. Peterson described the first edition as 'the best book on the subject of plant anatomy since the texts of Esau'. Traditional plant anatomy texts include primarily descriptive aspects of structure, this book not only provides a comprehensive coverage of plant structure, but also introduces aspects of the mechanisms of development, especially the genetic and hormonal controls, and the roles of plasmodesmata and the cytoskeleton. The evolution of plant structure and the relationship between structure and function are also discussed throughout. Includes extensive bibliographies at the end of each chapter. It provides students with an introduction to many of the exciting, contemporary areas at the forefront of research in the development of plant structure and prepares them for future roles in teaching and research in plant anatomy.

Book Information

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Customer Reviews

Praise for the first edition: "It is the best book on the subject of plant anatomy since the texts of "Esau...can serve equally well as a text...or as a reference for researchers." Carol A. Peterson, *Annals of Botany*"A fabulous and important contribution that needs to be read by anyone who calls himself or herself a botanist." Karl J. Niklas, Liberty Hyde Bailey Professor of Plant Biology, Cornell University"An Introduction to Plant Structure and Development: Plant Anatomy for the Twenty-first Century is a significant and informative synthesis. Those interested in plant structure are likely to find it a valuable reference worth owning, For me, it is already proving its usefulness in both teaching

and research." William B. Sanders, Florida Gulf Coast University for Plant Science Bulletin

A complete introduction to plant anatomy for undergraduates, with comprehensive coverage of basic plant structure and contemporary aspects of plant development. In addition, discussions of the mechanisms of development, the roles of the cytoskeleton, the evolution of plant structure and the relationship between structure and function occur throughout the book.

This book saves my life on a regular basis. Simple, straightforward but detailed explanations of developmental processes. Barebones illustrations, much of them black and white or line drawings keep it simple. If you want amazing color images you can always google them. This book packs in a lot of information in a clear, concise way and the index is very well organized.

This book is written in very complex technical language, absolutely not suitable for anyone outside the field. The author does not bother to write summaries, generalizations or simplifications. Literally hundreds of micrographs are a minimal aid in gaining an understanding of the subject. If you want to learn all the technical terms, this book is for you. If you don't, buy another book.

Feels like it is written for an undergraduate/young graduate audience, but can be used as a reference by all.

Great overview of plant structure and anatomy but I can't help but give 4 stars due to Cambridge Press' lack of pictorial imagination!

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