

An Introduction to Plant Structure and Development provides a comprehensive introduction to plant anatomy, combining basic knowledge with information from the latest cellular and molecular studies of the development of plant structure and form. Designed for undergraduate and graduate students with a background in introductory botany or biology and basic knowledge of plant systematics and evolution, topics covered in the 18 chapters include:

- the integrative significance of plasmodesmata
- the concept of the symplast
- the concept of multicellularity
- the role of the cytoskeleton in development
- signal transduction
- genetic control of development
- relevant aspects of evolution and function.

The book is richly illustrated with line drawings and photographs, closely integrated with the text to aid understanding. A comprehensive glossary provides further support, and extensive bibliographies point the way for further reading and research.

CHARLES B. BECK is Professor Emeritus of Botany at the University of Michigan, where he has taught courses in plant anatomy, structure, and development for over 35 years.

Cover photograph: traverse section through the stem of a marrow (*Cucurbita pepo*) showing vascular tissue.

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