

PLANT DEVELOPMENT AND EVOLUTION

Edited by
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This volume of *Current Topics in Developmental Biology* represents the latest publication in this series. It provides interesting chapters on the evolution of the plant body plan and the co-option of regulatory networks in early land plants; on diverse aspects of vegetative plant development, such as root systems and their evolutionary adaptations, vascular system development, programmed cell death, the development of the shoot apical meristem and the evolution of leaf diversity. Of particular focus is the development and evolution of reproductive structures, including flower development, the formation of male and female reproductive organs, pollen and embryo sac development, signalling during pollination and fertilization, embryogenesis, the evolution of apomixis, various aspects of seed development, and much more.

KEY FEATURES:

- Provides the authority and expertise of leading contributors from an international board of authors
- Presents the latest release in the *Current Topics in Developmental Biology* series
- Updated release includes the latest information on *Plant Development and Evolution*

Cover image:

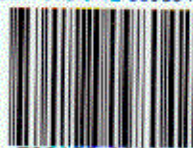
An open flower from the model plant *Arabidopsis thaliana*. This plant model system has been instrumental in unravelling the molecular mechanisms underlying diverse developmental processes, such that many of the chapters in this issue focus on findings in *A. thaliana*. The knowledge about plant development gained from genetic and molecular studies in *A. thaliana* also served as a basis to explore the evolutionary conservation of molecular mechanisms in land plants. Picture courtesy of Afif Hedhly, Department of Plant & Microbial Biology, University of Zurich.



ACADEMIC PRESS

An imprint of Elsevier
elsevier.com/books-and-journals

ISBN 978-0-12-809804-2



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