Provides an up-to-date survey of the biochemistry and physiology of plant secondary metabolism. The volume commences with an overview of the biochemistry, physiology and function of secondary metabolism, followed by detailed reviews of the major groups of secondary metabolites: alkaloids and betalains, cyanogenic glucosides, glucosinolates and nonprotein amino acids, phenyl propanoids and related phenolics, terpenoids, cardiac glycosides and saponins. A final chapter discusses the evolution of secondary metabolism.

This carefully compiled new edition brings together chapters from some of the world's leading experts in plant secondary metabolism. Completely revised and brought right up to date with much new information, this volume is an essential purchase for advanced students, researchers and professionals in biochemistry, physiology, molecular biology, genetics, plant sciences, agriculture, medicine, pharmacology and pharmacy, working in the academic and industrial sectors, including those working in the pesticide and pharmaceutical industries. Libraries in all universities and research establishments where these subjects are studied and taught will need copies of this excellent volume on their shelves.