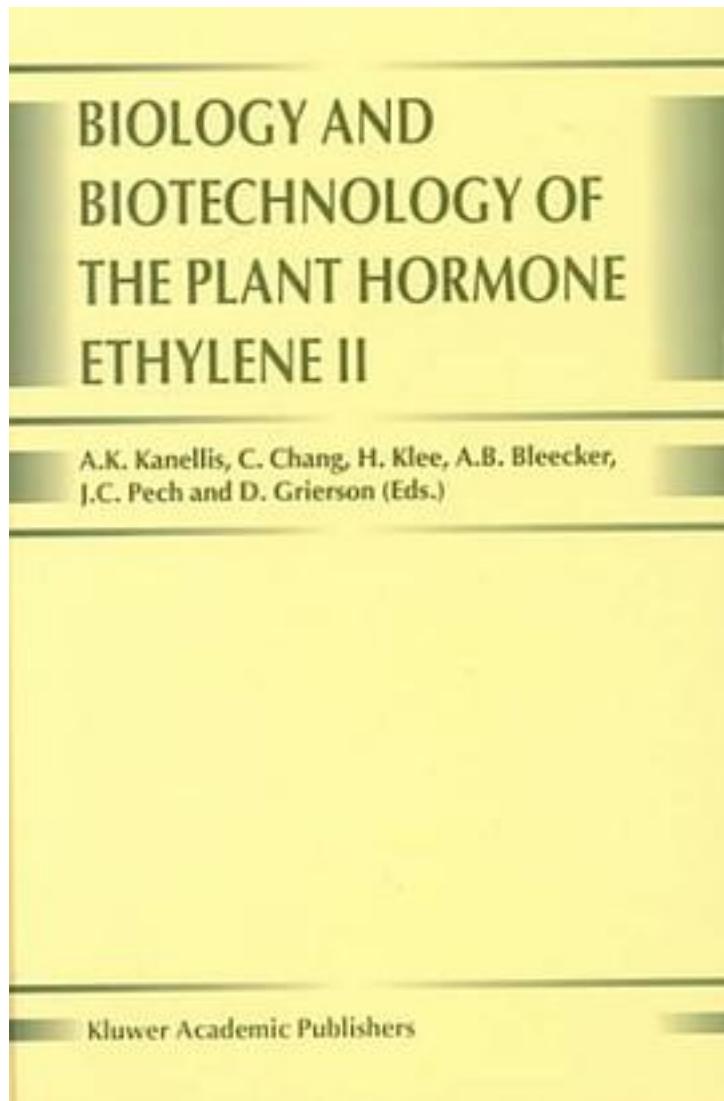


Biology and Biotechnology of the Plant Hormone Ethylene II



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The rapid advances in elucidating the mechanisms of ethylene perception and synthesis by plants, the signal transduction pathway, and ethylene control in transgenic plants have made the organization of a series of conferences dedicated to the plant hormone ethylene imperative. It is noted here that studies on ethylene have led the way in enhancing our understanding of the biosynthesis of a plant hormone at the biochemical and molecular levels, and future studies should further help in the understanding of the biochemical machinery responsible for the perception and signal transduction of this plant hormone. The purpose of the present Symposium was the critical assessment of the existing knowledge and the exchange of new ideas on the mechanisms of ethylene synthesis, perception and signal transduction, its role in pathogenesis and stress, its involvement in plant growth and development and, lastly, the biotechnological control of its formation and function. This book will be of major interest to all academic, industrial and agricultural researchers as well as advanced undergraduate and graduate students in plant biology, biotechnology, biochemistry, genetics, molecular biology and food science.

作者介绍:

目录:

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