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Sommario/riassunto	Allelopathy is an ecological phenomenon by which plants release organic chemicals (allelochemicals) into the environment influencing the growth and survival of other organisms. In this book, leading scientists in the field synthesize latest developments in allelopathy research with a special emphasis on its application in sustainable agriculture. The following topics are highlighted: Ecological implications, such as the role of allelopathy during the invasion of alien plant species; regional experiences with the application of allelopathy in agricultural systems and pest management; the use of microscopy for modeling allelopathy; allelopathy and abiotic stress tolerance; host allelopathy and arbuscular mycorrhizal fungi; allelopathic interaction with plant nutrition; and the molecular mechanisms of allelopathy. This book is an invaluable source of information for scientists, teachers and advanced students in the fields of plant physiology, agriculture,

ecology, environmental sciences, and molecular biology. .

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