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Titolo	Targeting Chitin-containing Organisms / / edited by Qing Yang, Tamo Fukamizo
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Descrizione fisica	1 online resource (VIII, 292 p. 65 illus., 26 illus. in color.)
Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1142
Disciplina	572
Soggetti	Biochemistry
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Lingua di pubblicazione	
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Livello bibliografico Nota di contenuto	Monografia An Introduction to the book Chitin: structure, chemistry & biology Chitin prevalence and function in bacteria, fungi and protists Immune responses of mammals and plants to chitin-containing pathogens Chitin organizing and modifying enzymes and proteins involved in remodeling of the insect cuticle Chitin-active lytic polysaccharide monooxygenases Bacterial Chitinase System as a Model of Chitin Biodegradation Chitin synthesis and degradation in fungi: biology and enzymes Chitin in Arthropods: Biosynthesis, Modification and Metabolism Nematode chitin and application Human Chitinases: Structure, Function and Inhibitor Discovery Chitin/chitosan-active enzymes involved in plant-microbe interactions Chitingue structures on potential torgate for inpact pact energy

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human health, food safety and agricultural production, non-chitin containing organisms like humans, mammals and plants have an innate immune response to these hazardous organisms. The book provides researchers and students with information on the recent research advances concerning the biology of chitin-containing organisms as well as cross-talks between chitin-containing and non-chitin-containing organisms. Highlighting chitin remodeling enzymes and inhibitors, it also offers drug developers essential insights into designing specific molecules for the control of hazardous chitin-containing organisms.