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Nota di contenuto	Multitrophic level interactions: an introduction / Teja Tscharntke and Bradford A. Hawkins -- Plant genetic variation in tritrophic interactions / J. Daniel Hare -- Multitrophic/multispecies mutualistic interactions: the role of non-mutualists in shaping and mediating mutualisms / Judith L. Bronstein and Pedro Barbosa -- Tritrophic interactions in tropical versus temperate communities / Lee A. Dyer and Phyllis D. Coley -- Endophytic fungi and interactions among host plants, herbivores, and natural enemies / Stanley H. Faeth and Thomas L. Bultman -- Multitrophic interactions in space: metacommunity dynamics in fragmented landscapes / Saskya van Nouhuys and Ilkka Hanski -- The chemical ecology of plant-caterpillar-parasitoid interactions / Ted. C.J. Turlings [and others] -- Canopy architecture and multitrophic interactions / Jerome Casas and Imen Djemai --

Tritrophic below- and above-ground interactions in succession /
Valerie K. Brown and Alan C. Gange -- Multitrophic interactions in
decomposer food-webs / Stefan Scheu and Heikki Setälä.

Sommario/riassunto

The multitrophic level approach to ecology addresses the complexity of food webs much more realistically than the traditional focus on simple systems and interactions. Only in the last few decades have ecologists become interested in the nature of more complex systems including tritrophic interactions between plants, herbivores and natural enemies. Plants may directly influence the behaviour of their herbivores' natural enemies, ecological interactions between two species are often indirectly mediated by a third species, landscape structure directly affects local tritrophic interactions and below-ground food webs are vital to above-ground organisms. The relative importance of top-down effects (control by predators) and bottom-up effects (control by resources) must also be determined. These interactions are explored in this exciting volume by expert researchers from a variety of ecological fields. This book provides a much-needed synthesis of multitrophic level interactions and serves as a guide for future research for ecologists of all descriptions.
