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Lingua di pubblicazione	Inglese
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Nota di contenuto	Preface -- Predatory interactions between Myxobacteria and their prey -- The ecology of Bdellovibrio and like organisms in wastewater treatment plants -- Intraguild predation: predatory networks at the microbial scale -- Antibacterial activities of Bdellovibrio and like organisms in aquaculture -- Secondary metabolism of predatory bacteria -- Environmental and biotic factors impacting the activities of Bdellovibrio bacteriovorus -- Emerging horizons for industrial applications of predatory bacteria. .
Sommario/riassunto	This work is a collection of articles that discuss microbial predation from a variety of perspectives. It provides the readers a concise resource describing factors that are critical for several different predatory microbes, including Myxobacterium spp. and Bdellovibrio--

and-like organisms (BALOs), including the mechanisms involved, ecological conditions that adversely impact it and potential applications in aquaculture and bioproduction. The first half of this collection focuses more on ecological aspects of predation, with in-depth discussions on “wolf pack” predators, the presence and activities of predators in waste-water treatment plants and the role of intraguild predatory relationships, i.e., when two different predators are competing for a single prey but also interact with one another. The reader will gain a deeper understanding of the predatory mechanisms involved and their ecological roles. In the latter half, emphasis is given more to the application and limitations of predators. In addition to discussing secondary metabolite production within different microbial predators, the readers will also learn how predators are being used to purify secondary metabolites from prey. This section also discusses the expanding and promising role of predation in aquaculture, focusing on the application of predators to reduce pathogenic populations, but includes some important caveats for young researchers to consider and follow when working with Bdellovibrio. This work is written for both experienced researchers already in the field and for young scientists who are captivated by the thought of predation at the microscale and its growing importance within a wide-array of fields. .