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	associated microbial endophytes as promising source of biotechnological applications 15. Bifidobacterial Probiotics through Fermented Foods 16. Enterococci prevalent in processed food products: From probiotics to food safety 17. Fermented foods, microbiota and human health 18. Metagenomics of Fermented Foods: Implications on Probiotic Development 19. Probiotics from fermented foods 20. Dietary impacts on the composition of microbiota in human health and disease 21. Microfungi for the removal of toxic triphenylmethane dyes 22. Applied aspect of Microalgae in Monitoring of Heavy Metals.
Sommario/riassunto	The existence of living organisms in diverse ecosystems has been the focus of interest to human beings, primarily to obtain insights into the diversity and dynamics of the communities. This book discusses how the advent of novel molecular biology techniques, the latest being the next-generation sequencing technologies, helps to elucidate the identity of novel organisms, including those that are rare. The book highlights the fact that oceans, marine environments, rivers, mountains and the gut are ecosystems with great potential for obtaining bioactive molecules, which can be used in areas such as agriculture, food, medicine, water supplies and bioremediation. It then describes the latest research in metagenomics, a field that allows elucidation of the maximum biodiversity within an ecosystem, without the need to actually grow and culture the organisms. Further, it describes how human-associated microbes are directly responsible for our health and overall wellbeing.