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Nota di contenuto	Front matter Preface Contents Contributing authors 1. Bringing Microbes into Focus for Speleology: An Introduction 2. Methods for Characterizing Microbial Communities in Caves and Karst: A Review 3. "A Grand, Gloomy, and Peculiar Place": Microbiology in the Mammoth Cave Region 4. Starving Artists: Bacterial Oligotrophic Heterotrophy in Caves 5. Bacterial and Archaeal Diversity on Cave Speleothem and Rock Surfaces: A Carbonate Cave Case Study from Kartchner Caverns 6. Microbial Slime Curtain Communities of the Nullarbor Caves 7. Microbial Diversity and Manganese Cycling: A Review of Manganese-oxidizing Microbial Cave Communities 8. Microbial Diversity and Ecology of Lava Caves 9. Predicting bacterial diversity in caves associated with sulfuric acid speleogenesis 10. Microbial Life in Unusual Cave Ecosystems Sustained by Chemosynthetic Primary Production 11. The Microbiology of Show Caves, Mines, Tunnels, and Tombs: Implications for Management and

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Sommario/riassunto	The earth's subsurface contains abundant and active microbial biomass, living in water, occupying pore space, and colonizing mineral and rock surfaces. Caves are one type of subsurface habitat, being natural, solutionally- or collapse-enlarged openings in rock. Within the past 30 years, there has been an increase in the number of microbiology studies from cave environments to understand cave ecology, cave geology, and even the origins of life. By emphasizing the microbial life of caves, and the ecological processes and geological consequences attributed to microbes, this book provides the first authoritative and comprehensive account of the microbial life of caves for students, professionals, and general readers.