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Altri autori (Persone)	HarrisonSusan (Susan Patricia) RajakarunaNishanta <1969->
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front matter -- Contents -- Contributors -- Preface -- Introduction -- 1. Serpentinites and Other Ultramafic Rocks: Why They Are Important for Earth's History and Possibly for Its Future -- 2. Microbes in Extreme Environments: Implications for Life on the Early Earth and Other Planets -- 3. Phylogenetic Patterns of Endemism and Diversity -- 4. Plant Speciation -- 5. Intraspecific Variation, Adaptation, and Evolution -- 6. Genomic Approaches to Understanding Adaptation -- 7. Local Adaptation in Heterogeneous Landscapes: Reciprocal Transplant Experiments and Beyond -- 8. Herbivory and Other Cross-Kingdom Interactions on Harsh Soils -- 9. Invasions and the Evolution of Range Limits -- 10. Plant Competition and Facilitation in Systems with Strong Environmental Gradients -- 11. Community Invasibility: Spatial Heterogeneity, Spatial Scale, and Productivity -- 12. Disturbance and Diversity in Low-Productivity Ecosystems -- 13. Plant-Pollinator Interactions in Naturally Fragmented Habitats -- 14. Spatial Ecology: The Effects of Habitat Patch Size, Shape, and Isolation on Ecological

Processes -- 15. Systematic Conservation Planning: Protecting Rarity, Representation, and Connectivity in Regional Landscapes -- 16. Biodiversity, Ecosystem Functioning, and Global Change -- 17. Climate Change and Plant Communities on Unusual Soils -- 18. Restoration and Revegetation of Harsh Soils -- 19. What Have We Learned from Serpentine in Evolution, Ecology, and Other Sciences? -- Species Index -- Subject Index

Sommario/riassunto

Serpentine soils have long fascinated biologists for the specialized floras they support and the challenges they pose to plant survival and growth. This volume focuses on what scientists have learned about major questions in earth history, evolution, ecology, conservation, and restoration from the study of serpentine areas, especially in California. Results from molecular studies offer insight into evolutionary patterns, while new ecological research examines both species and communities. Serpentine highlights research whose breadth provides context and fresh insights into the evolution and ecology of stressful environments.
