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Nota di contenuto	Intro -- Contents -- List of Contributors -- Part I: Population Structure and Genetics of Threatened Taxa -- Introduction -- 1 The History, Purview, and Future of Conservation Genetics -- 2 Effects of Population Size on Population Viability: From Mutation to Environmental Catastrophes -- 3 Demographics versus Genetics in Conservation Biology -- 4 Metapopulation Structure and the Conservation Consequences of Population Fragmentation -- 5 The Influence of Breeding Systems and Mating Systems on Conservation Genetics and Conservation Decisions -- Part II: Conserving Biodiversity within and among Species -- Introduction -- 6 The Importance of Conserving Evolutionary Processes -- 7 Phylogenetic Diversity and Conservation -- 8 Genetic Considerations of Introduction Efforts -- 9 Hybridization, Introgression, and the Evolutionary Management of Threatened Species -- Part III: Evolutionary Responses to Environmental Change -- Introduction -- 10 Evolution in Response to Climate Change -- 11 Evolutionary Dynamics of Adaptation to Environmental Stress -- 12 Managing Phenotypic Variability with Genetic and Environmental

Heterogeneity: Adaptation as a First Principle -- 13 Genetic Diversity, Adaptive Potential, and Population Viability in Changing Environments -- Part IV: Conservation of the Coevolving Web of Life -- Introduction -- 14 The Geographic Mosaic of Coevolution and Its Conservation Significance -- 15 The Next Communities: Evolution and Integration of Invasive Species -- 16 Ecosystem Recovery: Lessons from the Past -- 17 Host-Pathogen Evolution, Biodiversity, and Disease Risks for Natural Populations -- Part V: Evolutionary Management -- Introduction -- 18 Conservation Planning and Genetic Diversity -- 19 Implications of Transgene Escape for Conservation -- 20 Evolution and Sustainability of Harvested Populations -- References -- Index -- B -- C -- D. E -- F -- G -- H -- I -- L -- M -- N -- O -- P -- Q -- R -- S -- T -- U -- V.

Sommario/riassunto

This volume provides a treatment of evolutionary conservation biology that introduces and explains major concepts and also unifies theoretical and empirical advances. The goal of the book is to encourage and formalize the infusion of evolutionary thinking into mainstream conservation biology.
