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Nota di contenuto	Front matter -- Contents -- Preface -- List of Contributors -- General Introduction - Aquatic and Terrestrial Biological Invasions in the 21st Century / Canning-Clode, João -- Part I. Biogeography and Vectors of Biological Invasions -- Summary of Part I / Canning-Clode, João / Paiva, Filipa -- 1. Anthropogenic Vectors of Marine and Estuarine Invasions: an Overview Framework / Carlton, James T. / Ruiz, Gregory M. -- 2. The Biogeography of Avian Invasions: History, Accident and Market Trade / Cassey, Phillip / Vall-Llosera, Miquel / Dyer, Ellie / Blackburn, Tim M. -- 3. Vectors for Spread of Invasive Freshwater Vascular Plants with a North American Analysis / Sytsma, Mark D. / Pennington, Toni -- 4. Invasions of Terrestrial Arthropods: Mechanisms, Pathways, and Dynamics / Roderick, George K. / Navajas, Maria -- 5. Vectors of Invasions in Freshwater Invertebrates and Fishes / Fuller, Pam L. -- 6. Contribution of the Live Animal Trade to Biological Invasions / Romagosa, Christina M. -- Part II. Biological Invasions in Aquatic Ecosystems and in Host Parasite Systems -- Summary of Part II / Canning-Clode, João / Paiva, Filipa -- 7. Parasites and Genetics in Marine Invertebrate Introductions: Signatures of

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Sommario/riassunto

When organisms are deliberately or accidentally introduced into a new ecosystem a biological invasion may take place. These so-called 'invasive species' may establish, spread and ecologically alter the invaded community. Biological invasions by animals, plants, pathogens or vectors are one of the greatest environmental and economic threats and, along with habitat destruction, a leading cause of global biodiversity loss. In this book, more than 50 worldwide invasion scientists cover our current understanding of biological invasions, its impacts, patterns and mechanisms in both aquatic and terrestrial systems.

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