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Nota di contenuto	Introduction. From Local Strategy to Global Frameworks: Effects of Invasive Alien Species on Health and Well-being / Angeliki F. Martinou and Helen E. Roy -- Poisonous and Venomous: Marine Alien Species in the Mediterranean Sea and Human Health / Bella Galil -- Invasive Alien Plant Impacts on Human Health and Well-being / Lorenzo Lazzaro, Franz Essl, Antonella Luglie, Bachisio Mario Padedda, Petr Pysek and Giuseppe Brundu -- Human Health Impact by Alien Spiders and Scorpions / Wolfgang Nentwig -- Ticks and Dust Mites: Invasive and Health-affecting Borderline Organisms / Sauro Simoni and Giulio Grandi -- Bugs, Ants, Wasps, Moths and Other Insect Species / Alain Roques, Cristina Preda, Sylvie Augustin and Marie-Anne Auger-Rozenberg -- The Invasive Mosquitoes of Medical Importance / Roberto Romi, Daniela Boccolini, Marco Di Luca, Jolyon M. Medlock, Francis Schaffner, Francesco Severini and Luciano Toma -- Invasive Freshwater Invertebrates and Fishes: Impacts on Human Health / Catherine Souty-Grosset, Pedro Anastacio, Julian Reynolds and Elena Tricarico -- Risks for Human Health Related to Invasive Alien Reptiles and Amphibians /

Olivier S.G. Pauwels and Nikola Pantchev -- Do Alien Free-ranging Birds Affect Human Health? A Global Summary of Known Zoonoses / Emiliano Mori, Saverio Meini, Diederik Strubbe, Leonardo Ancillotto, Paolo Sposimo and Mattia Menchetti -- Impact of Alien Mammals on Human Health / Dario Capizzi, Andrea Monaco, Piero Genovesi, Riccardo Scalera and Lucilla Carnevali -- Climate Change and Increase of Impacts on Human Health by Alien Species / Stefan Schindler, Wolfgang Rabitsch and Franz Essl -- Conclusions / Giuseppe Mazza and Elena Tricarico.

Sommario/riassunto

This book, which consists of 11 chapters, highlights the major impact of invasive alien plants and animals on human health. This includes not only direct effects through contact with the species via bites, wounds and disease, but also indirect effects caused by changes induced in ecosystems by invasive species, such as more water hyacinth increasing mosquito levels and thereby the potential for malaria. The book covers a wide range of case studies from different taxa (animals and plants), and provides an overview of the diverse impacts of invasive species on health in developed and developing countries. It covers invasive (and poisonous) plants, marine species, scorpions, spiders and other arachnids, ticks and dust mites, insects (e.g. bugs, ants, wasps, and moths), mosquitoes and other diptera, freshwater species (invertebrates and fishes), amphibians and reptiles, birds and mammals. Also, climate change effects on alien species relevant to human health are discussed. The broad spectrum of the analysed case studies will ensure the appeal of the book to a wide public, including researchers of biological invasions, physicians, policy-makers and managers, and students of invasive species in ecology, animal and plant biology and public health medicine.
