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Nota di contenuto	Defining the Ecology of Viruses / Christon J. Hurst -- Bacteriophage and Viral Ecology in the 'Omics Age / Jessica Chopyk, Daniel J. Nasko, and Eric G. Sakowski -- Viruses of Eukaryotic Microalgae / Victoria L. N. Jackson, Michael J. Allen and Adam Monier -- Viruses of Seaweeds / Declan C. Schroeder and Dean A. McKeown -- The Ecology and Evolution of Fungal Viruses / Bradley I. Hillman and Michael G. Milgroom -- Ecology of Plant Infecting Viruses, with Special Reference to Geminiviruses / Basavaprabhu L. Patil and Claude M. Fauquet -- Viroids and Viroid Diseases of Plants / Ricardo Flores, Francesco Di Serio, Beatriz Navarro, Nuria Duran-Vila and Robert A. Owens -- Viruses Infecting Marine Molluscs / Tristan Renault -- Viruses Affecting Crustaceans / Kelly S. Bateman -- Viruses of Insects / Declan C. Schroeder and Jessica L. Kevill -- Viruses of Fish / Audun Helge

Nerland, Aina-Cathrine Øvergard and Sonal Patel -- Ecology of Viruses Infecting Ectothermic Vertebrates-The Impact of Ranavirus Infections on Amphibians / V. Gregory Chinchar, Amanda L.J. Duffus, Jesse L. Brunner -- Viruses of Reptiles / Rachel E. Marschang, Jonathan I. Meddings, and Ellen Ariel -- Ecology of Avian Viruses / Josanne H. Verhagen -- Viruses of Terrestrial Mammals / Laura D. Kramer and Norma P. Tavakoli -- Viruses of Marine Mammals / Sasan Fereidouni -- The Relationship Between Humans, Their Viruses, and Prions / Christon J. Hurst.

Sommario/riassunto

"This second edition of Studies in Viral Ecology Viral Ecology is designed to serve as a means of updating the knowledge of virologists regarding the broader aspects of viral ecology. As with the first edition, this book will explain the ecology of viruses by examining their interactive dynamics with their hosting species (covering both animals and plants), including the types of transmission cycles that viruses have evolved encompassing principal and alternate hosts, vehicles and vectoring species. Examining virology from an organismal biology approach and focusing on the concept that viral infections represent areas of overlap in the ecologies of the involved species, Viral Ecology is essential for students and professionals who either may be non-virologists or virologists whose previous familiarity has been very specialized. This second edition will be a single volume featuring a selection of updated chapters from the first edition. Tentative Table of Contents -- Defining the Ecology of Viruses The (Co)Evolutionary Ecology of Viruses Viruses of Seaweeds Viroids and Viroid Diseases of Plants Viruses Infecting Marine Molluscs Viruses of Insects Viruses of Fish Viruses of Terrestrial Mammals Viruses of Cetaceans The Relationship Between Humans, Their Viruses, and Prions"--
