

Contents

FRIEDRICH, Bärbel, HACKER, Jörg, HASNAIN, Seyed E., and METTENLEITER, Thomas C.: Preface	7
Climate Change: Past, Present, Future	
WANNER, Heinz: Past Climate Change: Its Facts and Mysteries	11
STOCK, Manfred: Predictions, Projections, and Perspectives of Climate Change	15
WALOCHNIK, Julia, HARZHAUSER, Mathias, and ASPÖCK, Horst: Climate Change as a Driving Force for Evolution	23
ASPÖCK, Horst: Fluctuations of Biodiversity in Europe in Light of Climate Change	35
ROSENBERG, Eugene, SHARON, Gil, and ZILBER-ROSENBERG, Ilana: Temperature- Induced Bacterial Bleaching of Corals	45
Impact of Climate Change on Vector-borne Infections of Humans	
PETERSEN, Lyle: Arboviral Disease Emergence: What is the Role of Climate Change?	53
NIEDRIG, Matthias: Human Viral Diseases Imported to Europe	57
AHMED, Niyaz: <i>Helicobacter pylori</i> – From Pre-History to Industrialization: Acquisition, Adaptation, and Endangerment of a Celebrated Bacterial Parasite	65
Impact of Climate Change on Infectious Diseases of Humans	
GENCHI, Claudio, RINALDI, Laura, and GENCHI, Marco: Impact of Climate Change on <i>Dirofilaria</i> Infections in Animals and Humans	71
SÜSS, Jochen: Climate Change, Ticks and Tick-borne Diseases with Special Emphasis on Europe, <i>Ixodes ricinus</i> , <i>I. persulcatus</i> and Tick-borne Encephalitis (TBE)	79
READY, Paul D.: Impact of Climate Change on Leishmaniasis	87
Impact of Climate Change on Infectious Diseases of Animals (incl. Zoonoses)	
CONRATHS, Franz Josef, GETHMANN, Jörn Martin, HOFFMANN, Bernd, BEER, Martin, KRAMER, Matthias, and STAUBACH, Christoph: Impact of Climate Change on Orbivirus Infection	93
PFEFFER, Martin, and DOBLER, Gerhard: Impact of Climate Change on Rift Valley Fever Virus Infections	99
HOFER, Heribert, and EAST, Marion L.: Impact of Global Climate Change on Wildlife Hosts and their Pathogens	105
HENDRICKX, Guy, and LANCELOT, Renaud: The EDEN Research Project: A Successful Integrated Research Management Approach	113