

Contents

Part I Food Safety and Food Security: A One Health Paradigm

Food Safety: At the Center of a One Health Approach for Combating Zoonoses	3
Peter R. Wielinga and Jørgen Schlundt	
The Importance of a One Health Approach to Preventing the Development and Spread of Antibiotic Resistance.	19
Peter Collignon	
Bovine Spongiform Encephalopathy: A Tipping Point in One Health and Food Safety	37
James Hope	
Pathogenic <i>Escherichia coli</i> and One Health Implications	49
Narelle Fegan and Kari S. Gobius	

Part II National Plans for Developing a One Health Approach

FAO and the One Health Approach.	65
Juan Lubroth	
Development of a One Health National Capacity in Africa	73
Mark Rweyemamu, Dominic Kambarage, Eron Karimuribo, Philemon Wambura, Mecky Matee, Jean-Marie Kayembe, Aaron Mweene, Luis Neves, Justin Masumu, Christopher Kasanga, Bernard Hang'ombe, Kim Kayunze, Gerald Misinzo, Martin Simuunza and Janusz T. Paweska	
The Development of One Health Approaches in the Western Pacific	93
Ben Coghlan and David Hall	

One Health Approach in the South East Asia Region: Opportunities and Challenges	113
Gyanendra Gongal	
One Health in Mongolia	123
Zayat Batsukh, B. Tsolmon, Dashdavaa Otgonbaatar, Baatar Undraa, Adyadorj Dolgorkhand and Ochirpurev Ariuntuya	
 Part III One Health New Technologies, New Approaches and How to Implement	
Climate Change and Human Health: A One Health Approach	141
Jonathan A. Patz and Micah B. Hahn	
Operationalizing One Health: Stone Mountain and Beyond	173
Carol S. Rubin	
Building a Foundation for ‘One Health’: An Education Strategy for Enhancing and Sustaining National and Regional Capacity in Endemic and Emerging Zoonotic Disease Management.	185
W. D. Vink, Joanna S. McKenzie, Naomi Cogger, Barry Borman and Petra Muellner	
Infections at the Animal/Human Interface: Shifting the Paradigm from Emergency Response to Prevention at Source	207
David L. Heymann and Mathew Dixon	
One Health from a Social–Ecological Systems Perspective: Enriching Social and Cultural Dimensions	217
Helen Ross	
Index	231

One Health: The Human-Animal-Environment Interfaces
in Emerging Infectious Diseases
Food Safety and Security, and International and
National Plans for Implementation of One Health
Activities

Mackenzie, J.S.; Jeggo, M.; Daszak, P.; Richt, J.A. (Eds.)
2013, XVII, 235 p. 23 illus., 16 illus. in color., Hardcover
ISBN: 978-3-642-35845-6