## 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 *Escherichia coli* 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, Esron 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