

Contents

1. Pathogens in the Sea: An Overview.....	1
<i>Colin B. Munn</i>	
2. Diversity, Sources, and Detection of Human Bacterial Pathogens in the Marine Environment.....	29
<i>Janelle R. Thompson, Luisa A. Marcelino, and Martin F. Polz</i>	
3. Biotic and Abiotic Effects.....	69
<i>Lester W. Sinton</i>	
4. Survival of Enteric Bacteria in Seawater: Molecular Aspects.....	93
<i>Yael Rozen and Shimshon Belkin</i>	
5. Human Pathogenic Viruses in the Marine Environment.....	109
<i>Albert Bosch, F. Xavier Abad, and Rosa M. Pintó</i>	
6. Survival of Viruses in the Marine Environment.....	133
<i>Charles P. Gerba</i>	
7. Zoonotic Protists in the Marine Environment.....	143
<i>Ronald Fayer and James M. Trout</i>	
8. Marine and Estuarine Harmful Algal Blooms: Impacts on Human and Animal Health.....	165
<i>Jan Landsberg, Fran Van Dolah, and Gregory Doucette</i>	
9. Pathogenic <i>Vibrio</i> Species in the Marine and Estuarine Environment.....	217
<i>Carla Pruzzo, Anwar Huq, Rita R. Colwell, and Gianfranco Donelli</i>	
10. <i>Vibrio vulnificus</i>.....	253
<i>James D. Oliver</i>	
11. <i>Vibrio parahaemolyticus</i>—Seafood Safety and Associations with Higher Organisms.....	277
<i>Firdausi Qadri, Nandini Roy Chowdhury, Yoshifumi Takeda, and G. Balakrish Nair</i>	

12. Global Microbial Ecology of <i>Vibrio cholerae</i>	297
<i>Rita R. Colwell</i>	
13. Gram-Positive Bacteria in the Marine Environment.....	307
<i>Maria del Mar Lleò, Caterina Signoretto, and Pietro Canepari</i>	
14. Fecal Contamination in Coastal Areas: An Engineering Approach.....	331
<i>M. Pommeuy, D. Hervio-Heath, M. P. Caprais, M. Gourmelon, and F. Le Guyader</i>	
15. Retention of Pathogenicity in Viable Nonculturable Pathogens.....	361
<i>Iddya Karunasagar and Indrani Karunasagar</i>	
16. Thalassogenic Infectious Diseases Caused by Wastewater Pollution of the Marine Environment	373
<i>Hillel Shuval</i>	
17. Bacterial Pathogens of Marine Fish.....	391
<i>Brian Austin</i>	
18. Microbial Diseases of Corals.....	415
<i>E. Rosenberg and Y. Barash</i>	
19. Aquaculture and Animal Pathogens in the Marine Environment with Emphasis on Marine Shrimp Viruses.....	431
<i>Jeffrey M. Lotz, Robin M. Overstreet, and D. Jay Grimes</i>	
Index	453