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Nota di contenuto	SEAFOOD SAFETY -- Copyright -- Preface -- Contents -- 1 Executive Summary -- OVERVIEW -- NATURE AND EXTENT OF PUBLIC HEALTH RISKS -- General -- Microorganisms and Parasites -- Extent of Risk -- Principal Conclusions -- Principal Recommendations -- Natural Toxins

-- Extent of Risk -- Principal Conclusions -- Principal Recommendations -- Chemical Residues -- Extent of Risk -- Principal Conclusions -- Principal Recommendations -- SCOPE AND ADEQUACY OF CURRENT SEAFOOD SAFETY PROGRAMS -- Regulatory Guidelines, Monitoring, and Inspection -- Principal Conclusions -- Principal Recommendations -- OPTIONS FOR REDUCING PUBLIC HEALTH RISKS -- Monitoring, Control, and Surveillance Measures -- Characteristics of Control Requirements -- Legislative Considerations -- Education and Information Measures -- Recommendations for Improved Inspection Strategies -- POTENTIAL IMPACT OF PROPOSED OPTIONS -- DIRECTION FOR DATA COLLECTION AND FUTURE RESEARCH -- 2 Seafood Production, Distribution, and Consumption -- ABSTRACT -- INTRODUCTION -- DEMOGRAPHICS OF THE SEAFOOD INDUSTRY -- FISHERY RESOURCES -- AQUACULTURE -- CONSUMPTION TRENDS -- ACTIVITIES IN OTHER COUNTRIES -- CONCLUSIONS AND RECOMMENDATIONS -- REFERENCES -- 3 Microbiological and Parasitic Exposure and Health Effects -- ABSTRACT -- INTRODUCTION -- PATHOGENS NATURALLY PRESENT IN MARINE OR FRESHWATER ENVIRONMENTS -- Naturally Occurring Marine Bacteria Associated with Human Disease -- *Vibrio cholerae* O1 -- Epidemiology and risk assessment -- Disease control -- Non-O1 *Vibrio cholerae* (V. cholerae of O Groups Other Than 1) -- Epidemiology and risk assessment -- Disease control -- *Vibrio parahaemolyticus* -- Epidemiology and risk assessment -- Disease control -- *Vibrio vulnificus* -- Epidemiology and risk assessment -- Disease control -- Other *Vibrio* Species -- *Aeromonas* -- *Plesiomonas*. Helminthic Agents Present in Seafood -- Trematodes -- Cestodes -- Nematodes -- Other Nematodes -- PATHOGENS ASSOCIATED WITH FECAL POLLUTION OF THE MARINE OR FRESHWATER ENVIRONMENT -- Viral Human Enteric Pathogens -- Hepatitis Type A (Enterovirus Type 72) -- Caliciviruses and Astroviruses -- Unclassified Viruses -- Disease Control for Human Enteric Viruses -- PROCESSING, DISTRIBUTION, AND PREPARATION-RELATED PUBLIC HEALTH HAZARDS -- Bacterial Pathogens -- *Salmonella* -- Epidemiology and risk assessment -- Disease control -- *Campylobacter jejuni* -- *Escherichia coli* -- *Yersinia enterocolitica* -- *Listeria* -- Epidemiology and risk assessment -- Disease control -- *Clostridium botulinum* -- Epidemiology and risk assessment -- Disease control -- *Shigella* -- *Staphylococcus aureus* -- Viral Pathogens -- Impact of Processing Technology -- Heat Treatment -- Modified Atmospheres and Vacuum Packaging -- PUBLIC HEALTH RISK ASSESSMENT -- Risk Assessment -- Hazard Identification -- Dose-Response Assessment -- Exposure Assessment -- Risk Characterization -- Risk Management -- Pathogens in Marine or Freshwater Environments -- Pathogens Associated with Pollution -- Pathogens Associated with Processing and Distribution -- Imports -- Future Risk -- Ethnic foods and regional considerations -- Aquaculture -- CONCLUSIONS AND RECOMMENDATIONS -- Conclusions -- Raw Molluscan Shellfish -- Other Seafoods -- Recommendations -- Specific Recommendations for Raw Molluscan Shellfish -- General Recommendations for All Seafoods -- NOTES -- REFERENCES -- 4 Naturally Occurring Fish and Shellfish Poisons -- ABSTRACT -- INTRODUCTION -- SPECIFIC INTOXICATIONS -- Ciguatera -- Scombroid (Histamine) Fish Poisoning -- Paralytic Shellfish Poisoning (PSP) -- Neurotoxic Shellfish Poisoning (NSP) -- Diarrhetic Shellfish Poisoning (DSP) -- Puffer Fish Poisoning (PFP) -- Amnesic Shellfish Poisoning (ASP). Other Toxins -- CONCLUSIONS AND RECOMMENDATIONS -- NOTE -- REFERENCES -- 5 Occurrence of Chemical Contaminants in Seafood and

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### Sommario/riassunto

Can Americans continue to add more seafood to their diets without fear of illness or even death? Seafood-caused health problems are not widespread, but consumers are at risk from seafood-borne microbes and toxins--with consequences that can range from mild enteritis to fatal illness. At a time when legislators and consumer groups are seeking a sound regulatory approach, Seafood Safety presents a comprehensive set of practical recommendations for ensuring the safety of the seafood supply. This volume presents the first-ever overview of the field, covering seafood consumption patterns, where and how seafood contamination occurs, and the effectiveness of regulation. A wealth of technical information is presented on the sources of contamination--microbes, natural toxins, and chemical pollutants--and their effects on human health. The volume evaluates methods used for risk assessment and inspection sampling.

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