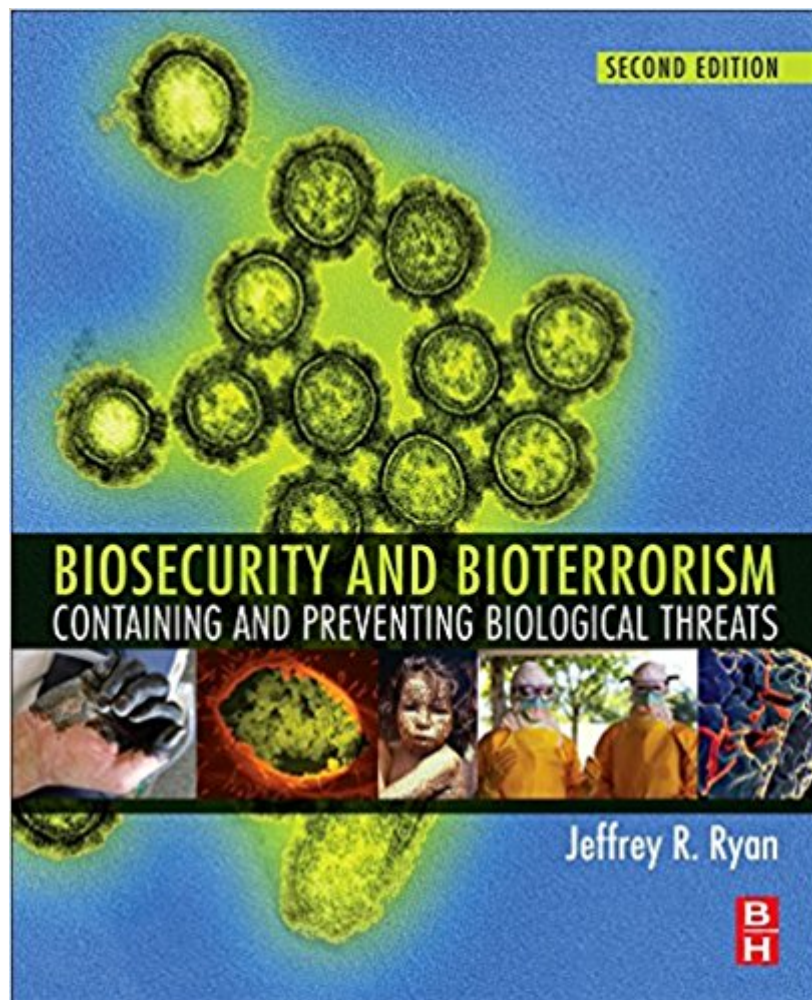




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Biosecurity And Bioterrorism, Second Edition: Containing And Preventing Biological Threats



Synopsis

Biosecurity and Bioterrorism, Second Edition, takes a holistic approach to biosecurity, with coverage of pathogens, prevention, and response methodology. It addresses these hazards in the context of vulnerability assessments and the planning strategies government and industry can use to prepare for and respond to such events. The book is organized into four thematic sections: Part I provides a conceptual understanding of biowarfare, bioterrorism and the laws we have to counteract this; Part II investigates known bioagents and the threat from emerging diseases; Part III focuses on agricultural terrorism and food security; and Part IV outlines international, US, and local initiatives for biodefense and biosecurity. Case studies illustrate biodefense against both intentional terrorism and natural outbreaks. Covers emerging threats of pandemic influenza, antibiotic resistant strains of bacterial pathogens, and severe respiratory diseases caused by novel viruses. Offers increased international coverage, including initiatives to counter biological weapons and threats, and food security. Updated throughout with latest protocols for dealing with biological threats and new case studies. Includes online instructor ancillaries - PowerPoint lecture slides, test questions, and an instructor manual, for increased classroom functionality.

Book Information

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"...provides an up-to-date discussion of bioterrorism in all its manifestations and the biosecurity measures required to counter it...Thanks to the author's practitioner-based insight, readers will find this text to be highly useful." --Security Management "...of interest for healthcare security

managers (how to manage the fear and panic if an unknown pathogen appears to be causing illness let alone death) and security for labs that are researching in this field." --Professional Security Magazine Online

Mr. Ryan is a retired US Army officer and currently a Professor at Jacksonville State University's Department of Emergency Management within the Institute of Emergency Preparedness. The program provides instruction on various aspects of emergency preparedness with a focus on terrorism, Weapons of Mass Destruction, medical aspects of emergency management, public health preparedness, biodefense, and biosecurity. His research interests are biothreat pathogen detection, agro-terrorism and the role of military forces in disaster response and humanitarian assistance. Since 2003, Professor Ryan has also served as Managing Director of Quetzal Consulting, Inc. a private firm specializing in a wide array of consultative services related to biothreat pathogen detection, tropical diseases research, course development, diagnostics development, marketing and product management. Services are provided to the U.S. Department of Defense, Department of Homeland Security, defense contractors (SAIC, GeoCenters and EAI) and biotechnology and diagnostics companies, among others.

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