

1. Record Nr.	UNINA9910337951403321
Titolo	Defense Against Biological Attacks : Volume I / / edited by Sunit K. Singh, Jens H. Kuhn
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	9783030030537 3030030539
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (332 pages)
Disciplina	616.01
Soggetti	Medical microbiology Virology Neurosciences Biological Warfare - prevention & control Biological Warfare Agents Medical Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	General Section -- Historical Aspects of Biological Weapons Development and Use -- Biodefense Strategies -- Need for Biosurveillance -- Role of Information Technology in Biodefense -- Role of Social Media in Biodefense -- Health-care System Preparedness -- Emergency Preparedness -- Pathogens and Toxins Potentially Used for Biological Attacks -- Bacillus anthracis -- Botulinum toxin -- Yersinia pestis -- Variola virus -- Francisella tularensis -- Viral Hemorrhagic Fevers -- Brucellae -- Burkholderia mallei -- Burkholderia pseudomallei -- Coxiella burnetii -- Rickettsia prowazekii -- Food Safety-related Biothreats -- Water Safety-related Biothreats -- Neurotropic Viruses -- Microbiological Toxins.
Sommario/riassunto	This first volume of a two-volume set describes general aspects, such as the historical view on the topic, the role of information distribution and preparedness of health-care systems and preparedness in emergency cases. Part two describes and discusses in detail the pathogens and toxins that are potentially used for biological attacks.

As such, the book is a valuable resource for faculties engaged in molecular biology, genetic engineering, neurology, biodefense, biosafety & biosecurity, virology, and infectious disease programs, as well as professional medical research organizations.
