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## **Radiation Inactivation Of Bioterrorism Agents**

The Anthrax attacks in the Fall of 2001 resulted in a heightened awareness of the role radiation plays in the inactivation of BioTerrorism Agents. After a review of thousands of proposals to decontaminate mail, only X-ray and Electron Beam solutions were implemented by the United States Postal Service.

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## **IOS Press Ebooks - Radiation Inactivation of Bioterrorism**

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This volume presents the papers delivered at the NATO Advanced Research workshop on Radiation Inactivation of Bioterrorism Agents, conducted during 7-9 March 2004 in Budapest, Hungary. The conference papers within this volume cover many of the factors essential to the successful application of ionizing radiation to biological agent inactivation.

### **Radiation inactivation of bioterrorism agents.**

NATO Advanced Research Workshop on Radiation Inactivation of Bioterrorism Agents (2004 : Budapest, Hungary) Radiation inactivation of bioterrorism agents. Amsterdam ; Washington, D.C. : IOS Press, 2005

### **Radiation inactivation of bioterrorism agents (Book, 2005**

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This volume is the product of the NATO Advanced Research Workshop on Radiation Inactivation of Bioterrorism Agents, held in March 2004 in Budapest, Hungary. Gazs (National Center for Public Health, National Research Institute for Radiobiology and Radiohygiene, Hungary) and Ponta ("Horia Hulubei" National Institute for Physics and Engineering, Roman.

### **Radiation inactivation of bioterrorism agents (eBook, 2005 ...**

Order Radiation Inactivation of Bioterrorism Agents. ISBN @ €116.00 Qty: Order Ebook. The use of and problems associated with biological weapons have been of concern to NATO and non-NATO military organizations for many years. Until recently, most of the readily available literature addressed the military issues associated with the possible use of biological weapons on the battlefield, the medical effects of the various agents, and what

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was known about medical prophylaxis and treatments.

## **IOS Press**

It was concluded that a dose of 20 kGy of gamma radiation may be recommended for the inactivation of B. anthracis for some surfaces when especially sensitive and valuable materials cannot be wet decontaminated were exposed.

## **Evaluation of Gamma-Radiation Inactivation of a ...**

In studies of inactivation, some chemicals, heat and UV radiation have been administered, and liquid media have generally been used for this purpose [9, 10]. Virulent B. anthracis spores were used instead of a B. anthracis simulat in the present study. For the medium of the infecting area, an aqueous medium and fabric, paper and saline, which could possibly be contaminated in a bioterrorism event, were used to reflect a real attack.

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## **Evaluation of Gamma-Radiation Inactivation of a ...**

The application of radiation technology for inactivation of bioterrorism agents and the main results of NATO Advanced Research Workshop on “Radiation Inactivation of Bioterrorism Agents” (7-9 March, 2004, Budapest, Hungary, NATO Co-director L. G. Gázsó) are described in this paper. 1.

## **Radiation Technology Against Bioterrorism**

Biological warfare and bioterrorism is an unpleasant fact of 21st century life. Highly infectious and profoundly virulent diseases may be caused in combat personnel or in civilian populations by the appropriate dissemination of viruses, bacteria, spores, fungi, or toxins.

## **Can Biowarfare Agents Be Defeated With Light? - PubMed**

Disaster Nursing: Bioterrorism: Acute Radiation Syndrome. Focus topic: Disaster Nursing: Bioterrorism . Disaster Nursing:

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Bioterrorism: Characteristics. Focus topic: Disaster Nursing: Bioterrorism A. An acute illness characterized by manifestations of cellular deficiencies caused by the body's reaction to ionizing radiation.

## **NCLEX-RN: Disaster Nursing: Bioterrorism - Brilliant Nurse®**

Bacillus anthracis spores represent an important bioterrorism agent that can be dispersed in air or water. ... to examine the effectiveness of UV254 radiation and  $\gamma$  radiation for inactivation of ...

## **(PDF) Chlorine Inactivation of Bacterial Bioterrorism Agents**

Inactivation of bio-terrorism agents in military and domestic application. In L. G. Gazso & C. C. Ponta (Eds.), Radiation inactivation of bioterrorism agents (pp. 147-152). Amsterdam:

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## **Radiation methods in decision support system for food ...**

Bioterrorism is a form of terrorism where there is the intentional release of biological agents (bacteria, viruses, or other germs). This is also referred to as germ warfare. This is also referred to as germ warfare.

## **Bioterrorism Definition and Agents Used**

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**CDC | Bioterrorism Agents/Diseases | Emergency ...**



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Abrin toxin is one of the most potent and deadly plant toxin obtained from the seeds of *Abrus precatorious*. It is more toxic than ricin which is classified as Schedule 1 agent by OPCW and Category B bioterrorism agent by Centre for Disease Control (CDC). Dose dependent acute toxicity of abrin is still a matter of investigation.

## **Subject: "bioterrorism" - PubAg Search Results**

Although unlikely, manmade or naturally occurring emergencies involving biological agents, chemical agents, radiation, or nuclear attack are always a possibility. Working with federal, state, and local agencies, the Office of Public Health Preparedness Branch (PHP) acts to safeguard the public in case of such incidents through emergency planning and in-state coordination of the Strategic ...

**Disease Outbreak Control Division | Bioterrorism,**

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## **Chemical ...**

Experiments were conducted to examine the effectiveness of ultraviolet (UV 254) radiation and  $\gamma$  radiation for inactivation of Bacillus spores. Spores of Bacillus cereus were used for most experiments because of their similarity to B. anthracis. A limited number of experiments were also conducted using B. anthracis Sterne spores.

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