

National disaster and epidemic preparedness in india

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Abstract

History provides us several illustrations where epidemic outbreaks have led to biological disasters. Accidental or deliberate release of harmful micro-organisms can also lead to biological disasters. With the advent of bio-terrorism, there is a growing realisation that biological agents can also be used as weapons of mass destruction. The spread of Spanish Influenza of 1917-18, the Human Immunodeficiency Virus (HIV) / Acquired Immuno Deficiency Syndrome (AIDS), Severe Acute Respiratory Syndrome (SARS), Swine Flu (H1N1), Avian Influenza (H5N1), Middle East Respiratory Syndrome (MERS), dengue, chikunguniya, Ebola outbreak in West Africa and the recent Zika outbreak in several countries tested the capacities of the public health delivery system in several countries. In India, the spread of dengue, chikunguniya, swine flu, avian influenza in hitherto non-endemic regions in the past few years posed serious challenges to the health delivery architecture in the country. The fallout of the Methyl Iso Cyanide gas leak in the Union Carbide Plant in Bhopal in 1984, alleged plague outbreaks in Beed and Surat in 1994, the avian influenza outbreak in 2012 and 2013, swine flu in India in 2014 and 2015 have also been major challenges to the public health delivery systems in the affected areas. The National Disaster Management Authority (NDMA), Government of India released the "National Disaster Management Guidelines on the Management of Biological Disasters" in July 2008.



Biography:

Prof. Dr. Anil Batta is presently professor & Head with senior consultant in Govt. Medical College, Amritsar. He did his M.B.B.S. and M.D. in Medical Biochemistry from Govt. Medical College, Patiala in 1984 and 1991, respectively. His research interest is mainly in clinical application especially cancer and drug de-addiction. He has supervised more than 25 M.D., M.Sc. and Doctorate researches and published more than



130 international research papers. He is the chief editor of America's Journal of Biochemistry.

Speaker Publications:

1. Anil Batta Biochemical diagnosis of acute appendicitis International Journal of Medical and Health Research ISSN: 2454-9142
2. Anil Batta Burnout Syndrome in Medical Fraternity ISSN 2518-3389 (Print) ISSN 2518-3397(Online) Scholars Middle East
3. Anil Batta Vitamin B12 and Depression Saudi Journal of Medicine ISSN 2518-3389 (Print)|ISSN 2518-3397(Online)
4. Anil Batta Depression, Anxiety and Distress in Patients of Cancer Starting Chemotherapy Scholars International Journal of Biochemistry Abbreviated Key Title: Sch Int J Biochem ISSN 2616-8650(Print)|ISSN 2617-3476(Online) Scholars
5. Anil Batta Biochemical Diagnosis of Dupuytren's Disease East African Scholars J Med Sci ISSN 2617-4421 (Print) | ISSN 2617-7188 Original Research Article

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