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Altri autori (Persone)	GargIti SrivastavaSwati
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Nota di contenuto	1. History of Pandemics? How World dealt with it? -- 2. Pathogenecity and Virulence of Bacteria and Viruses: Crosstalk -- 3. Impact of Geographical landscaping on Disease Spread -- 4. Association of Ethnicity with spread of Disease -- 5. Surviving COVID-19 is half the battle won: Long term effects -- 6. Lifestyle changes required to mitigate effects of Infectious diseases -- 7. Emerging mutations in viruses leading to immune escape -- 8. Regulation of Global spread: Action plan needed -- 9. Financial impact of Pandemic on Society -- 10. Fulfilling gaps in Pandemic Preparedness: Need for Effective early warning systems -- 11. Need for quicker systems for development and evaluation of Vaccines and Drugs -- 12. Psychological impact of Pandemic: Strategies to deal at early stage -- 13. Role of OMICS approaches for futuristic strategies against newer health challenges -- 14. Medical strategies for current pandemic: PROS and CONS -- 15. Two years of COVID-19 pandemic: Lessons learnt.
Sommario/riassunto	The book covers all aspects of future preparedness for COVID-19 pandemic-like situations as the COVID-19 pandemic commences at its endemic stage. Pandemics and large-scale outbreaks impact public

health to a greater extent, causing the loss of millions of lives and financial loss to businesses which eventually lead to unemployment and economic crises. This book covers all lessons learned from past pandemics, including their spread, virulence, long-term health effects, etc. It includes a chapter focusing on the actions that need to be taken to deal with similar situations in the future. The book mainly comprehends on identification and fulfilment of gaps in pandemic preparedness, the development of an effective early warning system, the strengthening of existing strategies as well as the need for the implementation of new global policies to mitigate future pandemics. It focuses on the role of omics approaches to understand and explore the newer and faster mechanisms for prevention, detection, and response to emerging biological infections. It also covers the psychological impact due to pandemic and its solution. The book has a broad scientific impact and shall be helpful specifically for academicians/ students having an interest in microbiology, virology, and immunology fields. It is aligned with SDG 3, "Good Health and Well-being".

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