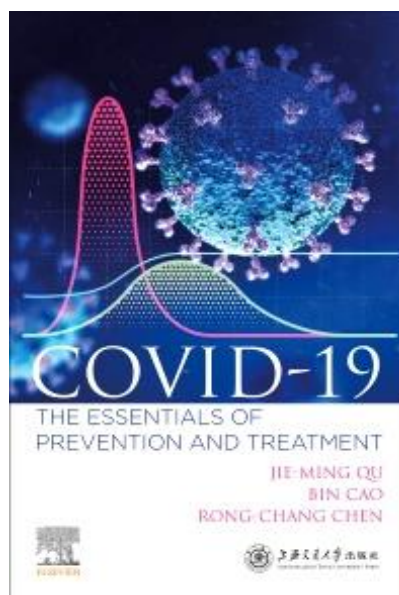


## BOOK REVIEW

Mohamed Almoustafa Alsamarai, Laboratory Investigation Department, Samara University College of Applied Sciences (SUCOAS), Samara, Iraq. Email: [mohamedalmoustafaa@gmail.com](mailto:mohamedalmoustafaa@gmail.com) Mobile: +9647718814092  
ORCID: <http://orcid.org/0000-0002-3051-725X>  
DOI: <https://doi.org/10.32441/aaajms.4.2>.

### COVID-19



### COVID-19

#### **The Essentials of Prevention and Treatment**

**Authors:** Jie-Ming Qu Bin Cao Rong-Chang Chen

1st Edition

**eBook ISBN:** 9780128242513

**Paperback ISBN:** 9780128240038

**Imprint:** Elsevier

**Published Date:** 22nd October 2020

**Page Count:** 114

#### **Description**

*COVID-19: The Essentials of Prevention and Treatment* elaborates on the ethology, pathogenesis, epidemiology, clinical characteristics, treatment principles, rehabilitation and prevention, and prevention and control measures for COVID-19. Aimed at healthcare workers, and written to be a practical guide, six chapters cover the following aspects of COVID-19: respiratory viruses; pathogenesis; case definitions and diagnosis; treatment; prevention and disease control; and prospects for the management and research of respiratory virus infections. This book gives first-hand information on the prevention, control, diagnosis and treatment of COVID-19.

COVID-19 was recognized as a pandemic in March 2020 by the World Health Organization. It is a disease caused by severe acute respiratory syndrome coronavirus 2

(SARS-CoV-2). Physicians working in China, particularly where the outbreak was first identified in Wuhan, have built up knowledge of prevention and control measures, and diagnosis and treatment of this disease. These insights are now globally relevant. The authors of this book are senior physicians specializing in respiratory diseases, pulmonary diseases and critical care medicine, and are all clinical and scientific research experts working in China, with particular experience in Wuhan.

**Key Features**

- Describes the prevention, control, diagnosis and treatment of COVID-19
- Offers practical guidance to healthcare professionals for COVID-19
- Gives clinical insights in a question and answer format
- Details first-hand experience in Chinese cities during the initial outbreak
- Presents insights that healthcare professionals need to prevent, diagnose, and treat COVID-19

**Readership**

Medical practitioners; Public health staff; Hospital administrators; Public health administrators and policy makers; laboratory technicians; medical students; virologists

**Contents**

1. Respiratory viruses and COVID-19
2. Pathogenesis of COVID-19
3. Case definitions and diagnosis of COVID-19
4. Treatment of COVID-19
5. Prevention and disease control of COVID-19
6. Prospects of the management and research of respiratory virus infection

Details

**No. of pages:** 114

**Language:** English

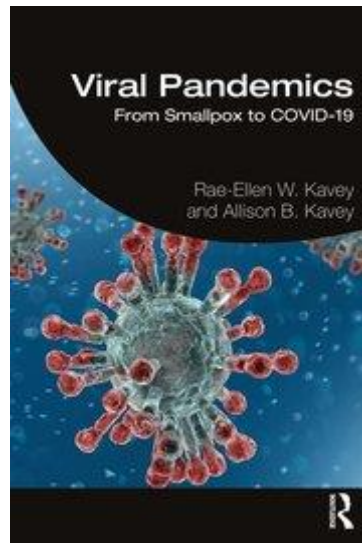
**Copyright:** © Elsevier 2020

**Published:** 22nd October 2020

**Imprint:** Elsevier

**eBook ISBN:** 9780128242513

**Paperback ISBN:** 9780128240038



## **Viral Pandemics: From Smallpox to COVID-19**

1<sup>st</sup> Edition

**Authors:** Rae-Ellen W. Kavey, Allison B. Kavey.

Copyright Year 2021

ISBN 9780367439651

**Published** September 29, 2020 by Routledge

**Pages:** 388 Pages 27 B/W Illustrations

### **Book description**

This book is written by a public health practitioner and a medical historian, *Viral Pandemics* explores the terrifying world of viruses as the cause of all acute pandemics since 1900, including the COVID-19 pandemic. The book illuminates the critical dual roles of viral biology and increasing global interconnectedness that have resulted in an escalating pandemic spiral.

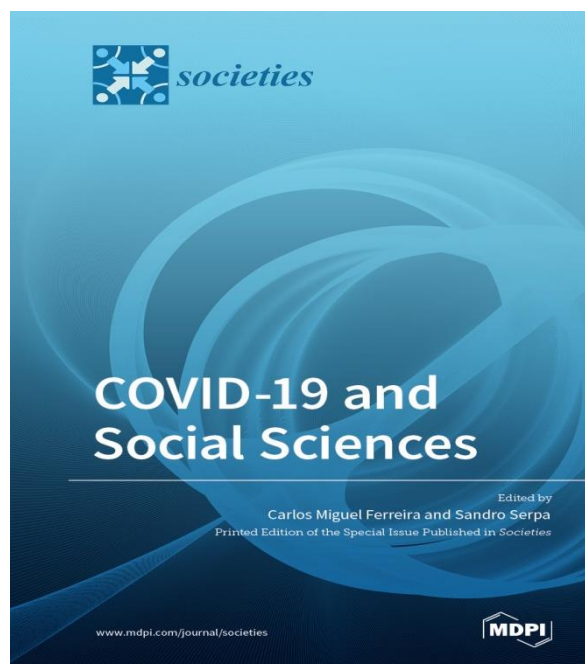
*Viral Pandemics* is the first book to focus exclusively on pandemics caused by viruses and the first to report the COVID-19 pandemic. In each chapter, the historiographic narrative follows the path of the virus from its original detection through its first appearance as the cause of disease, to its emergence as an explosive pandemic. Scientific information is presented in an accessible, straightforward style in compelling narratives that introduce the extraordinary universe of diverse, opportunistic viruses whose remarkable capacities make them formidable adversaries. The book makes it clear that global viral disease challenges are a persistent reality with the potential to cause catastrophic loss of life and major social and economic damage. A summary chapter draws together lessons learned and develops a proposed multidisciplinary global response.

*Viral Pandemics* is the only book that provides a complete historical narrative focused on viral pandemics. This comprehensive survey is designed for students and scholars in biology, epidemiology, public health, global history and the history of medicine, as well as general readers interested in the science of pandemics.

### **Contents**

1. A Brief Introduction to Virology: Preventing the Unknown.

2. The Smallpox Story: Gone but not Forgotten.
3. Yellow Fever: The Jungle Story
4. The Great Influenza: A Virus for All Time
5. Polio: The Plague of Summer
6. HIV and AIDS: The Never-Ending Story
7. Out of Nowhere: West Nile Virus, SARS, Zika, and Ebola
8. A Way Forward.
9. And Now, as Promised: The 2019 SARS-CoV-2/COVID-19 Pandemic



## **COVID-19 and Social Science**

**Carlos Miguel Ferreira and Sandro Serpa (Eds.)**

**ISBN 978-3-0365-0154-3 (Hbk);**

**ISBN 978-3-0365-0155-0 (PDF)**

<https://doi.org/10.3390/books978-3-0365-0155-0> (registering DOI)

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**Pages:** 102

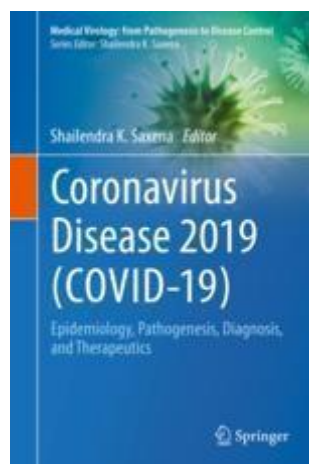
**Publisher:** MDPI

**Published:** January 2021

(This book is a printed edition of the Special Issue **COVID-19 and Social Sciences** that was published in *Societies*)

### **Contents**

- COVID-19 and Social Sciences. Carlos Miguel Ferreira and Sandro Serpa
- Social, Psychological, and Philosophical Reflections on Pandemics and Beyond. Abraham Rudnick
- COVID-19 as a Global Risk: Confronting the Ambivalences of a Socionatural Threat Manuel Arias-Maldonado
- The COVID-19 Contagion–Pandemic Dyad: A View from Social Sciences Carlos Miguel Ferreira, Maria Jos´e S´a, Jos´e Garrucho Martins and Sandro Serpa
- Responding to Social Distancing in Conducting Stakeholder Workshops in COVID-19 Era. Catherine Tobin, Georgia Mavrommati and Juanita Urban-Rich
- Altered Self-Observations, Unclear Risk Perceptions and Changes in Relational Everyday Life: A Qualitative Study of Psychosocial Life with Diabetes during the COVID-19 Lockdown. Dan Grabowski, Julie Meldgaard and Morten Hulvej Rod
- Online Learning and Emergency Remote Teaching: Opportunities and Challenges in Emergency Situations. Fernando Ferri, Patrizia Grifoni and Tiziana Guzzo.



## Coronavirus Disease 2019 (COVID-19)

### Epidemiology, Pathogenesis, Diagnosis, and Therapeutics

Editors: **Saxena, Shailendra K.** (Ed.)

- Provides collated information on novel coronavirus (SARS-CoV-2) biology, including replication, genetics, and pathogenesis.
- Discusses the pathogenesis of various emerging and re-emerging SARS coronaviruses.
- Summarizes prevention with potential therapeutics against novel SARS-CoV-2 and COVID-19.
- Highlights prevention and control strategies for COVID-19 and novel SARS-CoV-2 infection
- Reviews the host-pathogen interaction, host immune response and clinical manifestation of the human Coronavirus disease COVID-19
- This book provides a comprehensive overview of recent novel coronavirus (SARS-CoV-2) infection, their biology and associated challenges for their treatment and prevention of novel Coronavirus Disease 2019 (COVID-19). Discussing various aspects of COVID-19 infection, including global epidemiology, genome organization, immunopathogenesis, transmission cycle, diagnosis, treatment, prevention, and control strategies, it highlights host-pathogen interactions, host immune response, and pathogen immune invasion strategies toward developing an immune intervention or preventive vaccine for COVID-19. An understanding of the topics covered in the book is imperative in the context of designing strategies to protect the human race from further losses and harm due to SARS-CoV-2 infection causing COVID-19.

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Kumar, Swatantra (et al.)
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- Yadav, Tushar (et al.)
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  16. Chapter 16  
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  17. Chapter 17  
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Yadav, Tushar (et al.)