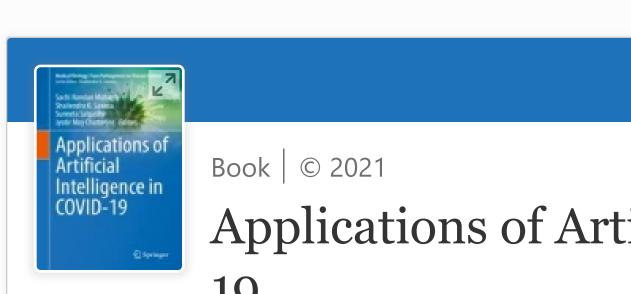
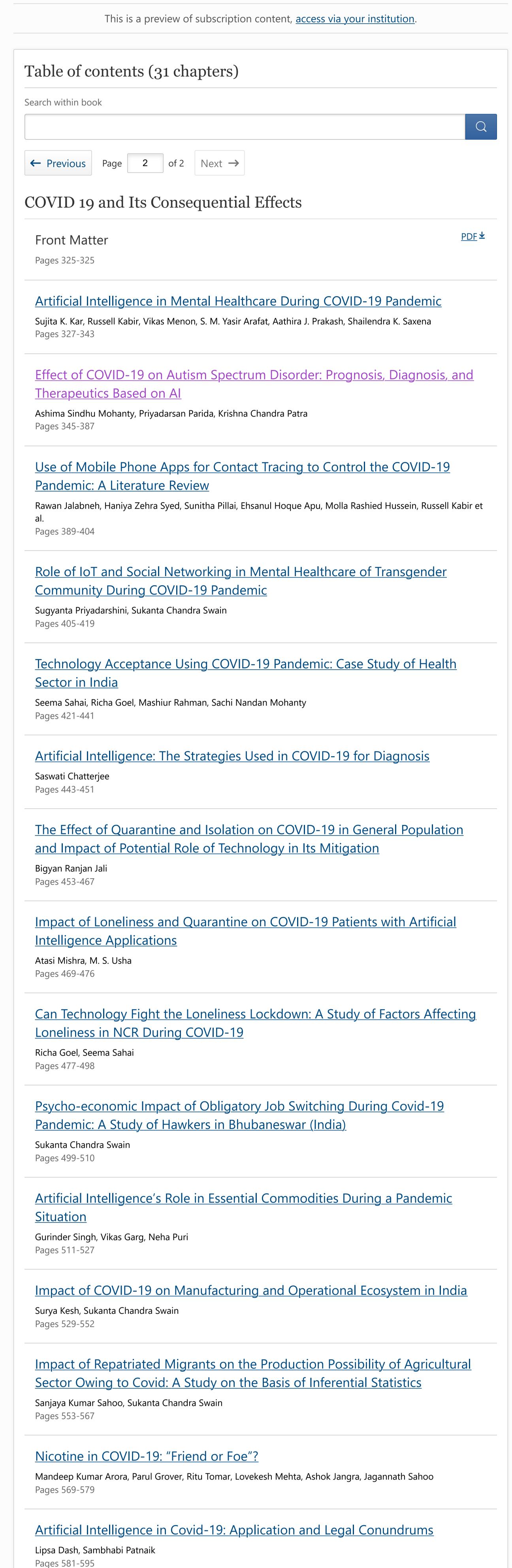
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Applications of Artificial Intelligence in COVID-19

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Editors: Sachi Nandan Mohanty, Shailendra K. Saxena, Suneeta Satpathy, Jyotir Moy Chatterjee Discusses the use of artificial intelligence-based tools in the diagnosis and treatment of COVID-19 Examines the application of artificial intelligence in epidemic analysis and drug development Highlights the vital role of big data in the fight against coronavirus Part of the book series: Medical Virology: From Pathogenesis to Disease Control (MVPDC) 17k Accesses 19 <u>Citations</u> 1 <u>Altmetric</u> Sections Table of contents About this book **Keywords Editors and Affiliations** About the editors **Bibliographic Information** 



## treat the disease. Lastly, it analyzes various artificial intelligence-based models to improve the critical care of COVID-19 patients.

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About this book

Back to top 1 Keywords **Artificial Intelligence Telemedicine Predictive Analytics** COVID 19 epidemiology

The book examines the role of artificial intelligence during the COVID-19 pandemic, including its

diagnosis and prognosis, v) treatments, and cures, and vi) social control. It explores the use of artificial

mathematical models for epidemic prediction of COVID-19. Furthermore, the book discusses artificial

intelligence-mediated diagnosis, and how machine learning can help in the development of drugs to

application in i) early warnings and alerts, ii) tracking and prediction, iii) data dashboards, iv)

intelligence in the context of population screening and assessing infection risks, and presents

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Hyderabad chapter.

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