1. Record Nr. UNINA9910768460403321

Titolo	Modeling, Control and Drug Development for COVID-19 Outbreak Prevention / / edited by Ahmad Taher Azar, Aboul Ella Hassanien
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-72834-X
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (1115 pages)
Collana	Studies in Systems, Decision and Control, , 2198-4190 ; ; 366
Disciplina	616.241400285 616.2414061
Soggetti	Engineering - Data processing Computational intelligence Biomedical engineering Epidemiology Data Engineering Computational Intelligence Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Some computational and theoretical results of Novel Coronavirus-19 Disease Via Mathematical Model Involving Caputo-Fabrizo Fractional Order -- Application of mathematical modelling approach in covid-19 transmission and interventions strategies -- Understanding COVID-19 in Brazil: socioeconomic impacts, statistical analysis and future challenges -- Does Pandemics effects human Future? Decisive role of Covid 19 in human evolution.
Sommario/riassunto	This book is well-structured book which consists of 31 full chapters. The book chapters' deal with the recent research problems in the areas of modeling, control and drug development, and it presents various techniques of COVID-19 outbreak prevention modeling. The book also concentrates on computational simulations that may help speed up the development of drugs to counter the novel coronavirus responsible for COVID-19.