1. Record Nr. UNINA9910508454203321

Titolo	Sustainability Measures for COVID-19 Pandemic / / edited by Rashmi Agrawal, Mamta Mittal, Lalit Mohan Goyal
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-16-3227-8
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (278 pages)
Collana	Computer Science Series
Disciplina	616.2414
Soggetti	Computational intelligence Sustainability Public health Medicine, Preventive Health promotion Artificial intelligence Internet of things Computational Intelligence Public Health Health Promotion and Disease Prevention Artificial Intelligence Internet of Things
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Internet of Things and Web Services for handing pandemic challenges -- Corona Thwack: Socio-Economic Impact of Covid-19 Pandemic in India -- Mathematical Modeling on Double Quarantine Process in the Spread and Stability of Covid-19 -- A Study and Novel AI/ML-based Framework to Detect COVID-19 virus using Smartphone Embedded Sensors -- Transmission Modelling on COVID-19 Pandemic and its Challenges -- Effect of Covid19 pandemic on mental health: an under-realized sociological enigma -- Predicting the Covid-19 Outspread in Andhra Pradesh Using Hybrid Deep Learning -- Social Challenges and Consequences of Covid-19 -- Economic Impact & measures of Corona Regime -- Modelling the Impact of Various Treatment and Prevention

	Tact’s on COVID-19 Worldwide -- Understanding Emotional Health Sustainability amidst COVID-19 imposed Lockdown -- Industry 4.0 technologies and their applications in fighting Covid-19 -- Internet of Medical Things (IoMT) Enabled TeleCOVID System for Diagnosis of COVID-19 Patients.
Sommario/riassunto	This book focuses on sustainability issues post COVID-19 outbreak, discusses ways to restrict global spread of the pandemic, and also how to survive holistically in the environment. It also discusses the economic impacts on the world due to the coronavirus outbreak. There is a strong need for monitoring and analysis of pandemics for sustainability like epidemic risk analysis by using pattern recognition or the mental health challenges during an outbreak. This book presents ways to find solutions and gives insights to explore innovative methods and predictive modeling techniques, such that masses are prevented from pandemics.

2.

Record Nr.	UNINA9910552731303321
Autore	Jing Bo
Titolo	Quantum Network with Multiple Cold Atomic Ensembles / / by Bo Jing
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811903281 9789811903274
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (197 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	621.382
Soggetti	Quantum communication Atoms Molecules Quantum entanglement Quantum theory Quantum optics Quantum Communications and Cryptography Atomic, Molecular and Chemical Physics Quantum Correlation and Entanglement Quantum Measurement and Metrology Quantum Optics
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral thesis accepted by University of Science and Technology of China, Hefei, China."--Title page.
Nota di contenuto	Introduction -- Interaction between Single Photons and Atomic Ensembles -- Preparation of Cold Atomic Ensembles -- Highly Retrievable Quantum Memories.
Sommario/riassunto	This book highlights the novel research in quantum memory networking, especially quantum memories based on cold atomic ensembles. After discussing the frontiers of quantum networking research and building a DLCZ-type quantum memory with cold atomic ensemble, the author develops the ring cavity enhanced quantum memory and demonstrates a filter-free quantum memory, which significantly improves the photon-atom entanglement. The author then realizes for the first time the GHZ-type entanglement of three separate quantum memories, a building block of 2D quantum repeaters and quantum networks. The author also combines quantum memories and time-resolved measurements, and reports the first multiple interference of three single photons with different colors. The book is of good reference value for graduate students, researchers, and technical personnel in quantum information sciences.