Resource Solutions Corona

Physics of the Solar Corona Health Informatics and Technological Solutions for Coronavirus (COVID-19) *Digital Innovation for Healthcare in COVID-19 Pandemic: Strategies and Solutions* Radical Solutions for Education in a Crisis Context *The Science behind the COVID Pandemic and Healthcare Technology Solutions Health Informatics and Technological Solutions for Coronavirus (COVID-19) COVID-19* Internet of Things and Sensor Network for COVID-19 Predictive and Preventive Measures for Covid-19 Pandemic Teaching in the Post COVID-19 Era *The Global Environmental Effects During and Beyond COVID-19* MED-CHAINS & COVID – 19 **The Zero Covid Solution** Healthcare Informatics for Fighting COVID-19 and Future Epidemics **GPS** *The COVID-19 Impact on Higher Education Stakeholders and Institutional Services Asthma and Allergy Solution that Works for COVID-19 COVID-19* The Corona Dilemma *Red Book 2021* COVID-19/Mental Health Crises *National Strategy for the COVID-19 Response and Pandemic Preparedness The Business of Pandemics* **Corona, Climate, Chronic Emergency** *Computational Intelligence for COVID-19 and Future Pandemics Digital Innovation for Healthcare in COVID-19 Pandemic: Strategies and Solutions* Default to Responsibility Artificial Intelligence and Machine Learning for COVID-19 **Behavioral Science and COVID-19** The Patient Equation Impact of AI and Data Science in Response to Coronavirus Pandemic **The Sun in Time** *Emerging Technologies for Battling Covid-19* **Public Health Data Challenges of the COVID-19 Pandemic Contactless Healthcare Facilitation and Commodity Delivery Management During COVID 19 Pandemic The Philippine Agriculturist COVID-19: Prediction, Decision-Making, and its Impacts CORONA AND CLIMATE** *Understanding COVID-19: The Role of Computational Intelligence* **The Post-Pandemic Business Playbook**

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Health Informatics and Technological Solutions for Coronavirus (COVID-19) May 28 2022 This reference text presents statistical information, causes and impacts of coronavirus on populations, economics, and environment. The text includes machine learning and deep learning techniques to understand exponential behavior as well as predicting the future reachability of the COVID-19 outbreak. It discusses important concepts including smart sensors for early stage diagnosis, diagnosis of COVID-19 using low power IoT-enabled systems, biomedical imaging and sensor fusion, and electronic solutions for diagnosis, monitoring, and treatment of diseases. Aimed at graduate students and professionals in the field of electrical engineering, electronics and communications engineering, biomedical engineering and nanomaterials, this book discusses fundamental aspects and latest research in the field of COVID-19 covers diagnostics techniques in detail provides overview of the symptoms, preventions, and treatments related to COVID-19 discusses android-based mobile applications helpful in spreading awareness of COVID-19

The Philippine Agriculturist Oct 28 2019

The Science behind the COVID Pandemic and Healthcare Technology Solutions Jun 28 2022 This book offers a timely review of modern technologies for health, with a special emphasis on wireless and wearable technologies, GIS tools and machine learning methods for managing the impacts of pandemics. It describes new strategies for forecasting evolution of pandemics, optimizing contract tracing, and for detection and diagnosis of diseases, among others. Written by researchers and professionals with different backgrounds, this book offers a extensive information and a source of inspiration for physiologists, engineers, IT scientists and policy makers in the health and technology sector.

Asthma and Allergy Solution that Works for COVID-19 Jun 16 2021 As we re-enter into a new, post-coronavirus world, respiratory health and staying COVID-19-free are the new topics of interest on everybody's mind. If you, your children or other loved ones suffer from asthma, allergies, sinus or middle-ear infections... are first responders, essential personnel, medical professionals or simply concerned about staying COVID-19-free, then the powerful natural prescription that Dr. Lon Jones presents will keep you safe and healthy. In Asthma and Allergy Solution that works for COVID-19, you will learn how to: ?Live asthma- and allergy-free without medical drugs ?Prevent recurrent sinus and middle-ear infections ?Keep your smile healthy and cavity-free and free from harmful bacteria ? Avoid relying on antihistamines and decongestants ? Bolster your nasal defenses and reduce your risk of COVID-19

Teaching in the Post COVID-19 Era Jan 24 2022 This handbook showcases extraordinary educational responses in exceptional times. The scholarly text discusses valuable innovations for teaching and learning in times of COVID-19 and beyond. It examines effective teaching models and methods, technology innovations and enhancements, strategies for engagement of learners, unique approaches to teacher education and leadership, and important mental health and counseling models and supports. The unique solutions here implement and adapt effective digital technologies to support learners and teachers in critical times – for example, to name but a few: Florida State University's Innovation Hub and interdisciplinary project-based approach; remote synchronous delivery (RSD) and blended learning approaches used in Yorkville University's Bachelor of Interior Design, General Studies, and Business programs; University of California's strategies for making resources affordable to students; resilient online assessment measures recommended from Qatar University; strategies in teacher education from the University of Toronto/OISE to develop equity in the classroom; simulation use in health care education; gamification strategies; innovations in online second language learning and software for new Canadian immigrants and refugees; effective RSD and online delivery of directing and acting courses by the Toronto Film School, Canada; academic literacy teaching in Colombia; inventive international programs between Japan and Taiwan, Japan and the USA, and Italy and the USA; and, imaginative teaching and assessment methods developed for online Kindergarten – Post-Secondary learners and teachers. Authors share unique global perspectives from a network of educators and researchers from more than thirty locations, schools, and post-secondary institutions worldwide. Educators, administrators, policymakers, and instructional designers will draw insights and guidelines from this text to sustain education during and beyond the COVID-19 era.

National Strategy for the COVID-19 Response and Pandemic Preparedness Jan 12 2021 The ultimate guide for anyone wondering how

President Joe Biden will respond to the COVID-19 pandemic—all his plans, goals, and executive orders in response to the coronavirus crisis. Shortly after being inaugurated as the 46th President of the United States, Joe Biden and his administration released this 200 page guide detailing his plans to respond to the coronavirus pandemic. The National Strategy for the COVID-19 Response and Pandemic Preparedness breaks down seven crucial goals of President Joe Biden's administration with regards to the coronavirus pandemic: 1. Restore trust with the American people. 2. Mount a safe, effective, and comprehensive vaccination campaign. 3. Mitigate spread through expanding masking, testing, data, treatments, health care workforce, and clear public health standards. 4. Immediately expand emergency relief and exercise the Defense Production Act. 5. Safely reopen schools, businesses, and travel while protecting workers. 6. Protect those most at risk and advance equity, including across racial, ethnic and rural/urban lines. 7. Restore U.S. leadership globally and build better preparedness for future threats. Each of these goals are explained and detailed in the book, with evidence about the current circumstances and how we got here, as well as plans and concrete steps to achieve each goal. Also included is the full text of the many Executive Orders that will be issued by President Biden to achieve each of these goals. The National Strategy for the COVID-19 Response and Pandemic Preparedness is required reading for anyone interested in or concerned about the COVID-19 pandemic and its effects on American society.

The Global Environmental Effects During and Beyond COVID-19 Dec 23 2021 This book aims through 11 chapters discussing the problems and challenges and some future research points from the recent technologies point of view such as artificial intelligence and the Internet of things (IoT) that can help the environment and healthcare sectors reducing COVID-19.

The Zero Covid Solution Oct 21 2021 In his 3rd book on COVID-19, G. Ashish Kalra outlines a panacea in 'The Zero Covid Solution'. Recurring animal viruses like Marburg, Hendra, Nipah, MERS, SARS, and now COVID-19 have been caused due to consumption of animals. Mr. Kalra uses the Theory of Furin cleavage sites in Bat Coronaviruses and explain the causes of these animal viruses and respiratory pandemics. He finally argues that 'disruption of the animal food chain' is necessary to prevent these respiratory pandemics going forward.

Predictive and Preventive Measures for Covid-19 Pandemic Feb 22 2022 This book explores the inputs with regard to individuals and companies who have developed technologies and innovative solutions, bioinformatics, datasets, apps for diagnosis, etc., that can be leveraged for strengthening the fight against coronavirus. It focuses on technology solutions to stop Covid-19 outbreak and mitigate the risk. The book contains innovative ideas from active researchers who are presently working to find solutions, and they give insights to other researchers to explore the innovative methods and predictive modeling techniques. The novel applications and techniques of established technologies like artificial intelligence (AI), Internet of things (IoT), big data, computer vision and machine learning are discussed to fight the spread of this disease, Covid-19. This pandemic has triggered an unprecedented demand for digital health technology solutions and unleashing information technology to win over this pandemic.

The Post-Pandemic Business Playbook Jun 24 2019 COVID-19 forced a dramatic change to customer behavior that resulted in an economic crisis not witnessed by anyone alive. Businesses can no longer operate as before because their customers are no longer operating as before. This book provides customer-centric based guidance for how businesses should adapt to this new reality, deriving insights from academic research, case studies, interviews, and best practice examples from around the world. As validated by hundreds of top-level executives, its readers will gain a better understanding of why customer behavior has changed so they can use the books solutions to navigate through and succeed in the post COVID-19 future.

COVID-19/Mental Health Crises Feb 10 2021 IN HIS TIMELY BOOK, RONALD R. PARKS, MPH, MD, EXAMINES THE IMPACT OF COVID-19 OR OTHER FORMS OF CRISIS, LOSS, OR TRAGEDY ON INDIVIDUAL MENTAL HEALTH. During the COVID-19 pandemic, many have experienced extreme personal loss and are suffering responses, not unlike those faced by survivors of natural disasters. Dr. Parks' health interests began as a child growing up in rural Maryland. After developing a high fever and stiff neck, he was diagnosed with polio and rushed to City Hospital for Children. The experience changed his life forever. This book focuses on a holistic approach to mental health during times of significant crises and challenges. Topics covered include grief and loss, anxiety, depression, addictions, pandemic fear; how to recognize early signs of mental health difficulties and their origins; coping and finding the help you need; and ways of regaining health, balance, stability, and longevity. The book has an upbeat style that'll energize your mind and refresh your ability to carry on through troubling times. In his timely book, Ronald R. Parks, MPH, MD examines the impact of COVID-19 or other forms of crisis, loss, or tragedy on individual mental health. From his perspective as a Board-certified psychiatrist, a holistic healthcare consultant, and a caring, concerned teacher, He offers helpful insights and suggestions designed to empower those with ongoing emotional challenges and those who want to maintain optimum mental and physical health. Blending research, historical events, and his own life experience, Dr. Parks has created an easy-to-understand, practical guide to help readers not only to survive but to thrive during troubling times. The essential step is to identify early signs of emotional and psychological dysfunction or impending break-down. The book's educative and guidance content stresses the value of holistic awareness and actions for both insight and inspiration. Readers will gain a clearer perspective of mental health issues that happen with the demands and unexpected changes or challenges that can occur to anyone. Many key elements play into our overall mental health and sense of wellbeing. Utilizing a multi-faceted approach, this book imparts valuable wisdom while covering essential topics related to mental health challenges, holistic medicine, psychology, spiritual awakening, meditation, and other tried and true self-help techniques. Important preventative and intervention tips are succinctly presented for your help. Most people are not just facing the Pandemic—many have experienced the personal loss of loved ones, worsening or the start of emotional or mental health challenges, addictions, trauma, and loss of purpose and meaning. Navigating so much hardship weighs heavily on our psyche, but this book reminds us that we can persevere and awaken to a deeper understanding of ourselves, others, and the spirit of life. This book covers a diversity of topics related to mental and emotional health, surviving times of crisis as the current COVID pandemic, finding holistic ways of coping, surviving during times of exceptional challenges or catastrophic situations, and reducing disease risk during tough times. There's no shame in getting help when you need support.

Public Health Data Challenges of the COVID-19 Pandemic Dec 31 2019

Healthcare Informatics for Fighting COVID-19 and Future Epidemics Sep 19 2021 This book presents innovative solutions utilising informatics to deal with various issues related to the COVID-19 outbreak. The book offers a collection of contemporary research and development on the management of Covid-19 using health data analytics, information exchange, knowledge sharing, the Internet of Things (IoT), and the Internet of Everything (IoE)-based solutions. The book also analyses the implementation, assessment, adoption, and management of these healthcare informatics solutions to manage the pandemic and future epidemics. The book is relevant to researchers, professors, students, and professionals in informatics and related topics.

Behavioral Science and COVID-19 Jun 04 2020 The first Coronavirus (COVID-19) cases were reported in December 2019 (WHO, 2020). Governments around the world have tried various interventions to stop the COVID-19 spread and encourage vaccination. With growing evidence of the governments' COVID-19 efforts to deal with the pandemic, this guide aims to summarize interventions and applications, and their effectiveness to address the following three COVID-19 topics: How to reduce COVID-19 spread; How to encourage people to get vaccinated; and How to address misinformation and fake news.

<u>Radical Solutions for Education in a Crisis Context</u> Jul 30 2022 This book presents how to keep working on education in contexts of crisis, such as emergencies, zones of conflict, wars and health pandemics such as COVID-19. Specifically, this work shows a number of strategies to support global learning and teaching in online settings. Particularly, it first presents how to facilitate knowledge sharing and raising awareness about a specific crisis, to increase people's safety, including educators and learners. The book then discusses various techniques, mechanisms and services that could be implemented to provide effective learning support for learners, especially in learning environments that they do not daily use, such as physical classrooms. Further, the work presents how to teach and support online educators, no matter if they are school teachers, university lecturers, youth social workers, vocational training facilitators or of any other kind. Finally, it describes worldwide case studies that have applied practical steps to keep education running during a crisis. This book provides readers with insights and guidelines on how to maintain learning undisrupted during contexts of crisis. It also provides basic and practical recommendations to the various stakeholders in educational contexts (students, content providers, technology services, policy makers, school teachers, university lecturers, academic managers, and others) about flexible, personalised and effective education in the context of crisis.

CORONA AND CLIMATE Aug 26 2019 UNDERSTANDING CORONA A pandemic is keeping the world on tenterhooks, with unprecedented implications for human coexistence, science, economics and politics. Every day, knowledge about the SARS-CoV-2 virus, its mutants, and measures to combat the infection grows. Thousands of reports, technical papers, discussions, study results, assessments, and comments reach the public. The information covers basic areas of knowledge - from aerosols and vaccines to winter sports. The target audience is people who want to get information quickly, politicians, authorities, universities, schools, companies, SMEs and businesses. Important sources and links on the pandemic, authorities, ministries and occupational health guidelines are directly available in the book. A VIRUS PARALYZES US The pandemic involving SARS-CoV-2 and known mutations of this virus poses an unprecedented medical and economic challenge to the world's population. Measures to inhibit the spread of the virus are essential until there is sufficient immunization of the world's population. In addition to monitoring the spread of the virus and its gene sequences, consideration of the physicochemical properties of the virus (virus persistence in aerosols, temperature dependence, dependence on humidity and UV radiation) appears relevant to reduce the spread of the virus. WEATHER DEPENDENCE Observations as well as literature reviews suggest a dependence of infection rates on weather conditions is likely. PROPOSED SOLUTIONS to exit LOCKDOWN. Proposed solutions for returning to a normal daily routine are provided. We try to explain the pandemic and make it understandable and give people a perspective on a daily life with the virus. There is also advice for politicians to encourage thoughtful reactions. Translated with www.DeepL.com/Translator (free version)

Red Book 2021 Mar 14 2021 The AAP's authoritative guide on preventing, recognizing, and treating more than 200 childhood infectious diseases. Developed by the AAP's Committee on Infectious Diseases as well as the expertise of the CDC, the FDA, and hundreds of physician contributors.

<u>The Patient Equation</u> May 04 2020 How the data revolution is transforming biotech and health care, especially in the wake of COVID-19—and why you can't afford to let it pass you by We are living through a time when the digitization of health and medicine is becoming a reality, with new abilities to improve outcomes for patients as well as the efficiency and success of the organizations that serve them. In The Patient Equation, Glen de Vries presents the history and current state of life sciences and health care as well as crucial insights and strategies to help scientists, physicians, executives, and patients survive and thrive, with an eye toward how COVID-19 has accelerated the need for change. One of the biggest challenges facing biotech, pharma, and medical device companies today is how to integrate new knowledge, new data, and new technologies to get the right treatments to the right patients at precisely the right times—made even more profound in the midst of a pandemic and in the years to come. Drawing on the fascinating stories of businesses and individuals that are already making inroads—from a fertility-tracking bracelet changing the game for couples looking to get pregnant, to an entrepreneur reinventing the treatment of diabetes, to Medidata's own work bringing clinical trials into the 21st century—de Vries shares the breakthroughs, approaches, and practical business techniques that will allow companies to stay ahead of the curve and deliver solutions faster, cheaper, and more successfully—while still upholding the principles of traditional therapeutic medicine and reflecting the current environment. How new approaches to cancer and rare diseases are leading the way toward precision medicine What data and digital technologies enable in the building of robust, effective disease management platforms Why value-based reimbursement is changing the business of life sciences How the right alignment of incentives will improve outcomes at every stage of the patient journey Whether you're a scientist, physician, or executive, you can't afford to let the moment pass: understand the landscape with this must-read roadmap for success—and see how you can change health care for the better.

COVID-19 Apr 26 2022 The SARS-CoV-2 virus, and the associated COVID-19 pandemic, is perhaps the greatest threat to life, and lifestyles, the world has known in more than a century. The scholarship included here provides critical insights into the ethics and ideologies, inequalities, and changed social understandings that lie at the heart of this pandemic. This volume maps out the ways in which the pandemic has impacted (most often disproportionately) societies, the successes and failures of means used to combat the virus, and the considerations and future possibilities – both positive and negative – that lie ahead. While the pandemic has brought humanity together in some noteworthy ways, it has also laid bare many of the systemic inequalities that lie at the foundation of our global society. This volume is a significant step toward better understanding these impacts. The work presented here represents a remarkable diversity and quality of impassioned scholarship and is a timely and critical advance in knowledge related to the pandemic. This volume and its companion, COVID-19: Volume II: Social Consequences and Cultural Adaptations, are the result of the collaboration of more than 50 of the leading social scientists from across five continents. The breadth and depth of the scholarship is matched only by the intellectual and global scope of the contributors themselves. The insights presented here have much to offer not just to an understanding of the ongoing world of COVID-19, but also to helping us (re-) build, and better shape, the world beyond.

Digital Innovation for Healthcare in COVID-19 Pandemic: Strategies and Solutions Aug 31 2022 Digital Innovation for Healthcare in COVID-19 Pandemic: Strategies and Solutions provides comprehensive knowledge and insights on the application of information technologies in the healthcare sector, sharing experiences from leading researchers and academics from around the world. The book presents innovative ideas, solutions and examples to deal with one of the major challenges of the world, a global problem with health, economic and political dimensions. Advanced information technologies can play a key role in solving problems generated by the COVID-19 outbreak. The book addresses how science, technology and innovation can provide advances and solutions to new global health challenges. This is a valuable resource for researchers, clinicians, healthcare workers, policymakers and members of the biomedical field who are interested in learning how digital technologies can help us avoid and solve global disease dissemination. Presents real-world cases with experiences of applications of healthcare solutions during the pandemic of COVID-19 Discusses new approaches, theories and tools developed during an unprecedented health situation and how they can be used afterwards Encompasses information on preparedness for future outbreaks to make less costly and more effective healthcare responses to crises

Computational Intelligence for COVID-19 and Future Pandemics Oct 09 2020 The book covers a wide topic collection starting from

essentials of Computational Intelligence to advance, and possible application types against COVID-19 as well as its effects on the field of medical, social, and different data-oriented research scopes. Among these topics, the book also covers very recently, vital topics in terms of fighting against COVID-19 and solutions for future pandemics. The book includes the use of computational intelligence for especially medical diagnosis and treatment, and also data-oriented tracking-predictive solutions, which are key components currently for fighting against COVID-19. In this way, the book will be a key reference work for understanding how computational intelligence and the most recent technologies (i.e. Internet of Healthcare Thing, big data, and data science techniques) can be employed in solution phases and how they change the way of future solutions. The book also covers research works with negative results so that possible disadvantages of using computational intelligence solutions and/or experienced side-effects can be known widely for better future of medical solutions and use of intelligent systems against COVID-19 and pandemics. The book is considering both theoretical and applied views to enable readers to be informed about not only research works but also theoretical views about essentials/components of intelligent systems against COVID-19/pandemics, possible modeling scenarios with current and future perspective as well as solution strategies thought by researchers all over the world.

Default to Responsibility Aug 07 2020 Default to responsibility is the cornerstone of gender inequity - the inequity that has permeated our homes and offices and remained there, billowing, growing in brawn. And now that it is exposed, knowledge and unity compromise its longevity. It is time for eviction. Default to Responsibility is a story filled with others' stories: Women's experiences, thoughts, and observations about what it means to be female during the COVID-19 global pandemic. The ethnographic research conducted for this publication led me to the naming of an unnamed and timeless but optimistically time-bound issue. The findings suggest that default to responsibility must be recognized by both corporations and within the home to reach gender parity. This publication may just change the way you think about the world and your role within it.

Physics of the Solar Corona Nov 02 2022 A thorough introduction to solar physics based on recent spacecraft observations. The author introduces the solar corona and sets it in the context of basic plasma physics before moving on to discuss plasma instabilities and plasma heating processes. The latest results on coronal heating and radiation are presented. Spectacular phenomena such as solar flares and coronal mass ejections are described in detail, together with their potential effects on the Earth.

Emerging Technologies for Battling Covid-19 Jan 30 2020 The book presents recent trends and solutions to help healthcare sectors and medical staff protect themselves and others and limit the spread of the COVID-19. The book also presents the problems and challenges researchers and academics face in tackling this monumental task. Topics include: Unmanned Aerial Vehicle (UAV) or drones that can be used to detect infected people in different areas; robots used in fighting the COVID-19 by protecting workers and staff dealing with infected people; blockchain technology that secures sensitive transactions in strict confidentiality. With contributions from experts from around the world, this book aims to help those creating and honing technology to help with this global threat.

Artificial Intelligence and Machine Learning for COVID-19 Jul 06 2020 This book is dedicated to addressing the major challenges in fighting COVID-19 using artificial intelligence (AI) and machine learning (ML) – from cost and complexity to availability and accuracy. The aim of this book is to focus on both the design and implementation of AI-based approaches in proposed COVID-19 solutions that are enabled and supported by sensor networks, cloud computing, and 5G and beyond. This book presents research that contributes to the application of ML techniques to the problem of computer communication-assisted diagnosis of COVID-19 and similar diseases. The authors present the latest theoretical developments, real-world applications, and future perspectives on this topic. This book brings together a broad multidisciplinary community, aiming to integrate ideas, theories, models, and techniques from across different disciplines on intelligent solutions/systems, and to inform how cognitive systems in Next Generation Networks (NGN) should be designed, developed, and evaluated while exchanging and processing critical health information. Targeted readers are from varying disciplines who are interested in implementing the smart planet/environments vision via wireless/wired enabling technologies.

COVID-19: Prediction, Decision-Making, and its Impacts Sep 27 2019 The book aims to outline the issues of AI and COVID-19, involving predictions,medical support decision-making, and possible impact on human life. Starting withmajor COVID-19 issues and challenges, it takes possible AI-based solutions forseveral problems, such as public health surveillance, early (epidemic) prediction,COVID-19 positive case detection, and robotics integration against COVID-19.Beside mathematical modeling, it includes the necessity of changes in innovationsand possible COVID-19 impacts. The book covers a clear understanding of AI-driven tools and techniques, where pattern recognition, anomaly detection, machinelearning, and data analytics are considered. It aims to include the wide range ofaudiences from computer science and engineering to healthcare professionals.

MED-CHAINS & COVID – 19 Nov 21 2021 MED-CHAINS & COVID – 19: Innovative Solutions for Pandemics is the groundbreaking new book by Dr. Eyong, offering the medical community new insight into COVID-19 and previous pandemics. Rather than quarreling over the inadequacies and inconsistencies of current pandemic practices, Dr. Eyong's new book offers his tangible and innovative solutions on how to approach, analyze and handle a pandemic crisis. His thoroughly researched approach to pandemics employs the expertise of respected medical researchers, acclaimed scientists, and innovative medical device developers across the industry. By employing their combined medical wisdom, Dr. Eyong provides feasible solutions for preparing, managing, and the ultimate goal of preventing a pandemic, such as COVID-19, from occurring in the future. This book will be available in ten languages: English, French, Spanish, German, Portuguese, Chinese, Russian, Arabic, Latin, and Japanese.

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students and professionals in the field of electrical engineering, electronics and communications engineering, biomedical engineering and nanomaterials, this book discusses fundamental aspects and latest research in the field of COVID-19 covers diagnostics techniques in detail provides overview of the symptoms, preventions, and treatments related to COVID-19 discusses android-based mobile applications helpful in spreading awareness of COVID-19

The Corona Dilemma Apr 14 2021 The airline industry is in freefall with COVID-19 restrictions closing international borders. Experts predict that half of the world's airlines could face bankruptcy. What should the airlines do? International consultant and author Ron Bartsch applies 20-20 Thinking and comes up with the solution-start a new domestic airline. So much about our world has changed beyond recognition in 2020 as the coronavirus upends our lives. We are now faced with The Corona Dilemma should we continue with business as usual, or create our next normal? Ron Bartsch has developed a simple model and powerful thinking tool to help negotiate the next normal, aka life-after-the-pandemic. In a dramatically restructured economy and society, old assumptions won't get us back on our feet, but thinking creatively will. By applying his extensively researched 20-20 Thinking principles, you'll learn how to re-assess what's important in life, think clearly and creatively about your future, and seek out actionable solutions. Whether facing COVID-19's devastating fallout in life or in business, Professor Bartsch's journey will inspire readers to find hope, seek clarity, explore new directions, and start tapping into their creative genius within. "The Corona Dilemma is the perfect answer to anyone who feels a level of discomfort about the state of their personal or professional life but is struggling with how to make a leap and act. Now more than ever creativity is a critical differentiator to long-term success, and The Corona Dilemma delivers an easily digestible framework that you can instantly apply to unlock creativity and excel." - Dane Jensen, VP, Director of Strategy, Momentum Worldwide, New York www.thecoronadilemma.com

Contactless Healthcare Facilitation and Commodity Delivery Management During COVID 19 Pandemic Nov 29 2019 This book offers concepts related to communication engineering principles to fight the current Covid situation, by developing contactless need-based solutions. COVID-19, a global pandemic makes us rethink how governments, organizations, and societies around the world can work with minimum or without physical contact. Technologies like artificial intelligence and big data are playing an essential role in responding to the COVID-19 pandemic. This book is a combination of chapters related to imaging and detective technologies used by the experts to fight the COVID-19 pandemic and a combination of interesting content covering the need of hour solutions generated through cutting edge technologies. In the absence of a proper medicine or vaccine, it is quite evident that nutrition plays an important role in the quick recovery of covid patients which must be very carefully planned with proper diagnostics. Data analysis and X-Ray/CT Image analysis by next-generation techniques like deep sensing, machine learning is interesting and useful for research and applied healthcare professionals. Research findings with a focus on diagnostics and reports generated through important data analysis in the book are quite useful and can be referred to by researchers and professionals working in the area of cutting-edge technologies against COVID 19.

The COVID-19 Impact on Higher Education Stakeholders and Institutional Services Jul 18 2021 This volume provides different perspectives regarding the impact of COVID-19 on higher education. Topics include COVID-19 implications on faculty development, communication, student services, and more.

Corona, Climate, Chronic Emergency Nov 09 2020 What does the COVID 19 tell us about the climate breakdown, and what should we do about it? The economic and social impact of the coronavirus pandemic has been unprecedented. Governments have spoken of being at war and find themselves forced to seek new powers in order to maintain social order and prevent the spread of the virus. This is often exercised with the notion that we will return to normal as soon as we can. What if that is not possible? Secondly, if the state can mobilize itself in the face of an invisible foe like this pandemic, it should also be able to confront visible dangers such as climate destruction with equal force. In Corona, Climate, Chronic Emergency, leading environmental thinker, Andreas Malm demands that this war-footing state should be applied on a permanent basis to the ongoing climate front line. He offers proposals on how the climate movement should use this present emergency to make that case. There can be no excuse for inaction any longer.

COVID-19 May 16 2021 The SARS-CoV-2 virus, and the associated COVID-19 pandemic, is perhaps the greatest threat to life, and lifestyles, the world has known in more than a century. The scholarship included here provides critical insights into the ethics and ideologies, inequalities, and changed social understandings that lie at the heart of this pandemic. This volume maps out the ways in which the pandemic has impacted (most often disproportionately) societies, the successes and failures of means used to combat the virus, and the considerations and future possibilities - both positive and negative - that lie ahead. While the pandemic has brought humanity together in some noteworthy ways, it has also laid bare many of the systemic inequalities that lie at the foundation of our global society. This volume is a significant step toward better understanding these impacts. The work presented here represents a remarkable diversity and quality of impassioned scholarship and is a timely and critical advance in knowledge related to the pandemic. This volume and its companion, COVID-19: Volume II: Social Consequences and Cultural Adaptations, are the result of the collaboration of more than 50 of the leading social scientists from across five continents. The breadth and depth of the scholarship is matched only by the intellectual and global scope of the contributors themselves. The insights presented here have much to offer not just to an understanding of the ongoing world of COVID-19, but also to helping us (re-) build, and better shape, the world beyond.

GPS Aug 19 2021 Global Pandemic Solutions provides a road map to understand Coronavirus testing? Distinguishes the difference between the virus (SARS CoV-2) and the disease (Covid-19). A history of viruses and pandemics is explored. The innate and adaptive immune system is described in humans to understand how it interacts with the Coronavirus. The value of vaccines and ventilators as it relates to the Coronavirus is clarified. Finally, solutions for prevention of Coronavirus disease and best interventions if actually obtain the Covid-19 disease is offered. New, exciting and relevant to understanding the Coronavirus Pandemic.

Internet of Things and Sensor Network for COVID-19 Mar 26 2022 This book examines various models/solutions in areas, such as individuals, home, work and society, where IoT and AI are being utilized to mitigate the Covid-19 pandemic. The world is battling with the novel coronavirus, and government authorities, scientists, medical practitioners, and medical services are striving hard to help people to face the challenges. During this crisis, numerous innovative ideas and solutions have been proposed for using the Internet of things (IoT), sensor networks, and artificial intelligence (AI) to monitor the wellbeing of individuals. Nations are using all available assets to help develop cutting-edge innovations to relieve the impacts of Covid-19 and profile individuals in danger. The advances in IoT frameworks and sensor technologies together with AI are invaluable in the context of this pandemic, and nations and various entities around the globe are discovering innovative solutions to maintain businesses and help people live alongside Covid-19. This book presents the advances in sensor technologies, IoT frameworks, and explores how these technologies are being used to deal with the issues arising from Covid-19, including work in progress and potential applications.

The Sun in Time Mar 02 2020 An interdisciplinary approach to solar physics, as eighty-nine contributors trace the evolution of the Sun and provide a review of our current understanding of both its structure and its role in the origin and evolution of the solar system.

Understanding COVID-19: The Role of Computational Intelligence Jul 26 2019 This book provides a comprehensive description of the novel

coronavirus infection, spread analysis, and related challenges for the effective combat and treatment. With a detailed discussion on the nature of transmission of COVID-19, few other important aspects such as disease symptoms, clinical application of radiomics, image analysis, antibody treatments, risk analysis, drug discovery, emotion and sentiment analysis, virus infection, and fatality prediction are highlighted. The main focus is laid on different issues and futuristic challenges of computational intelligence techniques in solving and identifying the solutions for COVID-19. The book drops radiance on the reasons for the growing profusion and complexity of data in this sector. Further, the book helps to focus on further research challenges and directions of COVID-19 for the practitioners as well as researchers.

Impact of AI and Data Science in Response to Coronavirus Pandemic Apr 02 2020 The book presents advanced AI based technologies in dealing with COVID-19 outbreak and provides an in-depth analysis of variety of COVID-19 datasets throughout globe. It discusses recent artificial intelligence based algorithms and models for data analysis of COVID-19 symptoms and its possible remedies. It provides a unique opportunity to present the work on state-of-the-art of modern artificial intelligence tools and technologies to track and forecast COVID-19 cases. It indicates insights and viewpoints from scholars regarding risk and resilience analytics for policy making and operations of large-scale systems on this epidemic. A snapshot of the latest architectures, frameworks in machine learning and data science are also highlighted to gather and aggregate data records related to COVID-19 and to diagnose the virus. It delivers significant research outcomes and inspiring new real-world applications with respect to feasible AI based solutions in COVID-19 outbreak. In addition, it discusses strong preventive measures to control such pandemic.

The Business of Pandemics Dec 11 2020 Nations and businesses across the globe have been working through the difficulties of dealing with the COVID-19 pandemic. Industry, academia, NGOs, and governments have been "feverishly" searching for ways to address this deadly virus, which may continue to spread for at least the next year and perhaps beyond (in terms of a resurgence and different strains). From a business standpoint, there have been dramatic effects on logistics and supply chains, economic downfalls, bailouts of major industries and small businesses, and far-reaching calamities from around the world. Even though the COVID-19 story is still in its making, this book focuses on the business of pandemics as applied to COVID-19. The book brings together a global panel of experts across industries and NGOs to help guide business executives and managers through the complex array of issues affecting business in the time of a pandemic. Offering solutions to the business of pandemics as applied to COVID-19, the book is written for organizational decision makers and leaders, as well as those involved in crisis management, public health, and related fields. Its chapters focus on key areas that relate to the business of pandemics, including Lessons learned to date Big data and simulation Logistics and supply-chain management challenges Conducting global business virtually Global economic impact Media and risk communication IT infrastructure and networking Social impact Online learning and educational innovations The new work-from-home environment Re-opening markets and businesses Crisis decision making using analytics and intuition With chapters authored by experts from leading organizations, including the World Health Organization, the RAND Corporation, and various universities throughout the world, The Business of Pandemics: The COVID-19 Story provides high-level guidance and insight for business leaders who must deal with the complexities and challenges presented by this unprecedented crisis.