1. Record Nr. UNINA9910734891703321

Titolo	Futuristic Communication and Network Technologies : Select Proceedings of VICFCNT 2021, Volume 2 / / edited by N. Subhashini, Morris. A. G. Ezra, Shien-Kuei Liaw
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-9748-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (503 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 995
Disciplina	621.382
Soggetti	Telecommunication Signal processing Optical communications Communications Engineering, Networks Digital and Analog Signal Processing Optical Communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Modern Approaches for the Human Activity Detection and Recognition Using Various Image Processing Methods: A Review -- A Study of Covid-19 And Its Detection Methods Using Imaging Techniques -- Numerical Evaluation of 3D Printable Patch Antenna for Wearable Applications -- Ensuring Location Privacy in Crowdsensing System using Blockchain -- Energy Efficient Arithmetic State Machine Based Routing Algorithm in Cognitive Wireless Sensor Network -- Design of Modified V-shaped Slot-loaded on Substrate Integrated Waveguide Antenna for Smart Healthcare Applications -- A Review on Deep Learning Algorithms for Diagnosis and Classification of Brain Tumor -- Fuzzy Enhanced Optimization Algorithm for Blockchain Mining -- Power Quality Improvement using Luo Converter Coupled Multilevel Inverter based Unified Power Flow Controller for Optimized Time Response -- Performance Analysis of Fiber-Optic DWDM System -- Comparison Energy Efficiency and Spectral Efficiency in Beamspace MIMO and Beamspace MIMO-NOMA System Model.
Sommario/riassunto	This book presents select proceedings of the Virtual International

	Conference on Futuristic Communication and Network Technologies (VICFCNT 2021). It covers various domains in communication engineering and networking technologies. This volume comprises recent research in areas like cyber-physical systems, acoustics, speech & video signal Processing, and the Internet of Things. This book is a collated work of academicians, researchers, and industry personnel from the international arena. This book will be useful for researchers, professionals, and engineers working in the core areas of electronics and communication.

2.

Record Nr.	UNINA9910956766403321
Autore	Haug Roger Tim
Titolo	Lessons in Environmental Microbiology
Pubbl/distr/stampa	Boca Raton, : CRC Press, 2019
ISBN	0-429-81047-4 0-429-44290-4 0-429-81048-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (791 pages)
Disciplina	579.17
Soggetti	Microbial ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to environmental microbiology -- Oxidation and reduction: the energy reactions of life -- The chemistry of carbon (for the non-chemist in all of us) -- Life and energy: the principles of chemical and photo thermodynamics -- Metabolic and nutritional classifications -- The synthesis reactions of microbial life -- Thermodynamics and cell yield -- Historic moments in microbiology and public health -- The world of microbes (and a few related friends) -- Infectious diseases important to public health and sanitary practice -- Biochemistry and bioenergetics (the molecules of life) -- A brief history of life -- Kinetics and biodegradability -- The suspended growth bioreactor: basic concepts -- The suspended growth bioreactor: more concepts and some variations -- The suspended growth

	bioreactor: operational considerations -- Biological nutrient removal and recovery -- Anaerobic processes for methanogenesis -- Principles of biological composting -- Microbially induced corrosion -- Biological air pollution control -- Microbial ecology -- References -- Index.
Sommario/riassunto	Lessons in Environmental Microbiology provides an understanding of the microbial processes used in the environmental engineering and science fields. It examines both basic theory as well as the latest advancements in practical applications, including nutrient removal and recovery, methanogenesis, suspended growth bioreactors, and more. The information is presented in a very user-friendly manner; it is not assumed that readers are already experts in the field. It also offers a brief history of how microbiology relates to sanitary practice, and examines the lessons learned from the great epidemics of the past. Numerous worked example problems are presented in every chapter.