

1. Record Nr.	UNINA9910969003803321
Titolo	Green automation for sustainable environment // edited by Sherin Zafar, Mohd Abdul Ahad, M. Afshar Alam, and Kashish Ara Shakil
Pubbl/distr/stampa	Boca Raton, FL, : CRC Press, Taylor & Francis Group, 2021
ISBN	1-00-300079-7 1-000-19034-X 1-003-00079-7 1-000-19032-3
Edizione	[1st edition.]
Descrizione fisica	1 online resource (113 pages)
Collana	Green engineering and technology : concepts and applications
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Disciplina	628 620.00286
Soggetti	Sustainable engineering Sustainable development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliographical references and index.
Nota di contenuto	Cover -- Half Title -- Series Page -- Title Page -- Copyright Page -- Table of Contents -- Preface -- Editors -- Contributors -- Chapter 1 Green Computing in Wireless Sensor Networks through Energy-Efficient Techniques for Lifetime Improvement -- 1.1 Introduction -- 1.2 Taxonomy of Energy-Efficient Routing Protocols -- 1.2.1 Energy Conservation Techniques -- 1.3 Energy-Efficient Routing Protocols in WSN -- 1.4 Hierarchical Routing Protocols -- 1.4.1 Classical-Based Clustering Protocols -- 1.4.1.1 Centralized and Distributive Clustering -- 1.4.2 Meta-Heuristic-Based Clustering Protocols -- 1.5 Experimental Review of Leach Protocol -- 1.5.1 Simulation of LEACH -- 1.5.2 Simulation Results -- 1.5.3 Analysis of LEACH Protocol -- 1.6 Summary -- References -- Chapter 2 Challenges and Opportunities with Green and Sustainable Computing in Healthcare -- 2.1 Introduction -- 2.2 Applications of Technology in the Healthcare Sector -- 2.3 Strategies to Enable Green and Sustainable Computing in the

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Sommario/riassunto

This book explores the concepts and role of green computing and its recent developments for making the environment sustainable. It focuses on green automation in disciplines such as computers, nanoscience, information technology, and biochemistry. This book is characterized through descriptions of sustainability, green computing, their relevance to the environment, society, and its applications. Presents how to make the environment sustainable through engineering aspects and green computing. Explores concepts and the role of green computing with recent developments. Processes green automation linked with various disciplines such as nanoscience, information technology, and biochemistry. Explains the concepts of green computing linked with sustainable environment through information technology. This book will be of interest to researchers, libraries, students, and academicians that are interested in the concepts of green computing linked with green automation through information technology and their impacts on the future.
