About the book

Sustainability in Healthcare: mHealth, AI and Robotics is an in-depth discussion of sustainable methods in the healthcare industry. It looks into critical issues, providing insights and ideas for improving sustainability, integrating technology, and addressing environmental, social, and economic concerns. The first and second chapters focus on building sustainable hospital healthcare services, with an emphasis on rural and community healthcare improvement. Chapter 2 investigates the use of robots in healthcare for sustainability, emphasizing their potential to help achieve the Sustainable Development Goals (SDGs). Chapter 3 describes healthcare sustainability and its dimensions, examining a conceptual framework, variables influencing sustainability, and long-term innovation. Chapter 4 focuses on the implementation of AI in healthcare, focusing on ethical concerns as well as its role in accomplishing SDGs and climate action. Chapter 5 examines the possibilities of additive manufacturing in sustainable healthcare, focusing on its role in environmental sustainability, waste reduction, and medical improvements such as tissue engineering and drug delivery. Chapter 6 examines the role of mobile health in patient-centered treatment, analyzing its economic, environmental, social, and behavioral viability. Chapter 7 addresses the use of biomedical engineering in healthcare developments, focusing on diversity and research issues. Chapter 8 discusses healthcare waste management and comprehensive disposal and treatment techniques. Chapter 9 investigates the economic, social, and environmental implications of sustainability in healthcare supply chain management. Chapter 10 highlights the role of telemedicine in healthcare sustainability management during pandemics.