1. Record Nr. UNINA9911010524203321

Autore	Shafik Wasswa
Titolo	Factoring Technology in Global Sustainability : A Focus on the Sustainable Development Goals / / by Wasswa Shafik
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9672-99-6
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (624 pages)
Collana	Approaches to Global Sustainability, Markets, and Governance, , 2520-8780
Disciplina	658.4062 658.514
Soggetti	Technological innovations Sustainability Management Artificial intelligence Innovation and Technology Management Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Technology, Sustainability, and the SDGs -- Introduction: Technology as a Catalyst for Achieving the Sustainable Development Goals (SDGs) -- The Intersection of Technology, Sustainability, and the Sustainable Development Goals SDGs -- Part 2: Technological Innovations and the SDGs -- SDG 1: No Poverty – Leveraging Technology for Economic Inclusion -- SDG 2: Zero Hunger – Technologies Transforming Agriculture -- SDG 3: Good Health and Well-Being – Digital Health Solutions -- SDG 4: Quality Education – Digital Platforms for Inclusive Learning -- SDG 5: Gender Equality – Bridging the Digital Gender Divide -- SDG 6: Clean Water and Sanitation – Smart Water Management -- SDG 7: Affordable and Clean Energy – Renewable Energy Technologies -- SDG 8: Decent Work and Economic Growth – Technology for Employment and Economic Opportunities -- Part 3: Infrastructure, Innovation, and Sustainable Systems -- SDG 9: Industry, Innovation, and Infrastructure – Smart Technologies for Sustainable Industry -- SDG 11: Sustainable Cities and Communities –

Smart Cities and Urban Sustainability -- SDG 12: Responsible Consumption and Production – The Circular Economy Part 4: Environmental Protection and Climate Action -- SDG 13: Climate Action – Technology for Climate Resilience and Mitigation -- SDG 14 & 15: Life Below Water and Life on Land – Conservation Technologies -- Part 5: Governance and Partnerships for SDGs -- SDG 16: Peace, Justice, and Strong Institutions – Digital Tools for Good Governance -- SDG 17: Partnerships for the Goals – Technology as a Catalyst for Global Collaboration -- The Future of Technology and the SDGs: Pathways to 2030 and Beyond.

Sommario/riassunto

This book explores the critical role of technology in advancing the United Nations' 2030 Agenda for Sustainable Development. With the world facing pressing challenges like climate change, poverty, and environmental degradation, innovations such as artificial intelligence, big data, the Internet of Things, blockchain, and renewable energy are increasingly shaping global efforts to achieve the Sustainable Development Goals (SDGs). The book examines how these technologies are transforming key sectors, from agriculture and healthcare to energy and education, offering practical solutions to complex global problems. By focusing on each SDG, it provides a thorough look at how technological advancements are being applied to drive sustainable development. Through real-world case studies, the book discusses the practical challenges of scaling and financing these technologies while highlighting the importance of governance, policy, and international cooperation in their success. It also explores how governments, businesses, and global institutions can leverage these innovations to build more resilient and inclusive societies. This book is intended for scholars, policymakers, entrepreneurs, and professionals in sustainability who are seeking a deeper understanding of how technology can be integrated into strategies for achieving the SDGs. As the 2030 deadline approaches, it also offers insights into future trends and emerging technologies that will shape a more sustainable and equitable world in the years to come.

2. Record Nr. UNINA9910299391003321

Autore	Osman Khan Towhid
Titolo	Management of Soil Problems / / by Khan Towhid Osman
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-75527-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XX, 474 p. 126 illus.)
Disciplina	631.4
Soggetti	Soil science Soil conservation Environmental management Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Management of Soil Problems: An Introduction -- 2 Dryland Soils -- 3 Sandy Soils -- 4 Shallow Soils -- 5 Soils with Drainage Limitations -- 6 Expansive Soils -- 7 Peat Soils -- 8 Soils on Steep Slopes -- 9 Poorly Fertile Soils -- 10 Saline and Sodic Soils -- 11 Acid Soils and Acid Sulfate Soils -- 12 Polluted Soils -- 13 Degraded Soils.
Sommario/riassunto	Soils are neither good nor bad, but some have inherent or acquired characteristics that may or may not suit our intended use. Unsuitable characteristics are considered to be soil problems, soil constraints or soil limitations. Only twelve percent of global land is right for agricultural production without much limitation. Some soils have severe limitations for crop production. These soils are so called ‘problem soils’. Many of them do not have enough fertility to be productive; some are arid and saline; some are very sandy and dry; and some are wet and waterlogged for most of the growing season. The global demand for food, wood, fuel, fiber, medicine and other plant products for the 7.2 billion current world population has created such an immense pressure on global soil resources that even the most fertile soils are losing their productive capacity. We are being compelled to bring more and more unsuitable or marginally suitable soils under cultivation. Unless innovative and integrated soil, crop and

environmental management practices are adopted for their improvement and sustainable use, further degradation is inevitable. This book, Management of Soil Problems, identifies the problems and discusses management options in a smooth and reader-friendly style. It will be useful for students and professionals of soil science, agriculture, forestry, geography and environmental sciences. .