1. Record Nr. UNINA9910869162803321

Autore	Sobti R. C
Titolo	Role of Science and Technology for Sustainable Future : Volume 1: Sustainable Development: A Primary Goal / / edited by Ranbir Chander Sobti
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819707102
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (436 pages)
Altri autori (Persone)	Sobti
Disciplina	550
Soggetti	Earth sciences Environmental education Biology Geography Ecology Sustainable architecture Earth Sciences Environmental and Sustainability Education Biological Sciences Earth and Environmental Sciences Environmental Sciences Sustainable Architecture/Green Buildings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section 1: pillars of sustainability: present scenario in india -- chapter 1. Science, technology and innovation for achieving sustainable development goals (sdgs) -- chapter 2. Sustainable development in india and its future prospects -- Section 2 : Role of various science sectors for sustainable development -- Chapter 3. Role of physics in sustainable development -- Chapter 4. Role of chemical sciences for sustainable development in india -- Chapter 5. Role of bioinformatics in sustainable development -- Chapter 6. Role of environmental sciences for sustainable development in india -- Chapter 7. Role of veterinary sciences and technology for sustainable development --

Chapter 8. Role of microbiology for sustainable development in india -- Chapter 9. Role and development of pharmaceutical sciences for sustainable development goals -- Chapter 10. The fiction of sustainable development and the silence of the anthropologist: a critique from tribal development -- Chapter 11. Role of agricultural sciences for achieving sustainable development in india: perspectives and challenges -- Section 3: Role of biodiversity for sustainable development -- Chapter 12. Science and technology (s&t) of blue revolution in india in the backdrop of sustainable development goals (sdgs): role of aquatic food system -- Chapter 13. The sustainabile development goals :plant diversity for present and future generations -- Chapter 14. Faunal diversity and sustainable development -- Chapter 15. Recession and development of moraine dominated lakes in the chandra basin of great himalayans range : dortia lahaul spiti, himachal pradesh, india -- Chapter 16. Insect pollinators' diversity in the himalayan region: significant role in agriculture and sustainable development -- Chapter 17. Role of science and technology for sustainable aquaculture development and aquatic ecosystem management -- Chapter 18. Biotechnological tools for conservation and sustainable utilization of medicinal plants -- Chapter 19. Threats, challenges and conservation strategies of himalayan faunal biodiversity -- section iv- role of communication for sustainable development -- Chapter 20. Scientific communication and sustainable development -- Chapter 21. Exploring the use of mobile communication in achieving sustainable development goals: an indian perspective -- Chapter 22. Renewable energy and sustainable transportation -- Chapter 23. Role of science and technology councils in strengthening sti ecosystem for sustainable development -- Chapter 24. Principles and approach towards sustainability in higher education institutions -- Chapter 25. Role of public health in sustainable development.

Sommario/riassunto

The book explores the pivotal role of science and technology in achieving the sustainable development goals (SDGs) outlined in the agenda 2030 for sustainable development. It emphasizes the importance of integrating science and technology into developing strategies to promote a sustainable and prosperous global future. The book highlights the universal acceptance of the SDGs by United Nations member states, subnational governing bodies, and international organizations. It emphasizes that all stakeholders, including governmental bodies, private enterprises, and civil society, have a responsibility to contribute to the achievement of the SDGs. Science, technology, and innovation are identified as the three pillars essential for achieving the SDGs. The book emphasizes the critical role of science and technology in addressing complex issues such as climate change, biodiversity loss, resource depletion, poverty reduction, health, education, gender equality, clean energy, sustainable cities, responsible consumption, and climate action. It helps to develop innovative solutions to promote economic growth, social inclusion, and environmental sustainability. And provide the necessary knowledge and tools to develop effective policies and strategies in these areas. Furthermore, the book highlights the potential of science and technology in promoting innovation and entrepreneurship, leading to the creation of new businesses and industries that align with sustainable development principles. This fosters economic growth, job creation, and environmental sustainability. It advocates for continued investment in science and technology and their integration into development strategies. The book aims to provide insights into the role of traditional and emerging areas of science and technology in meeting the goals outlined in the SDG document, with a specific focus on India.

The book serves as a great source of information for researchers, teachers in basic and applied sciences /social sciences research and policymakers.