

1. Record Nr.	UNINA9910921013503321
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Titolo	Role of Science and Technology for Sustainable Future : Volume 2- Applied Sciences and Technologies // edited by Ranbir Chander Sobti
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819751778 9819751772
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (873 pages)
Collana	Biomedical and Life Sciences Series
Disciplina	338.927
Soggetti	Human ecology - Study and teaching Ecology Earth sciences Geography Sustainability Environmental Studies Earth and Environmental Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section-I: Introductory chapters -- Chapter 1. Science, Technology And Novelty For Sustainable Development Goals: Perspectives And Challenges From Environment, Ecology, And Human Society In A Changing World -- Chapter 2. Microbial Technology: A Green Path To Achieving Sustainable Development Goals -- Chapter 3. Perspectives On The Role Of Science And Technology For A Cleaner And Greener Tomorrow -- Section II: Role of Biological Innovations for Sustainable Development -- Chapter 4. Synthetic Biology: Engineering Life For Sustainable Applications -- Chapter 5. Biosurfactants: A Viable Approach Towards Environmental Sustainability -- Chapter 6. Plant-Based Super Foods For A Sustainable Future -- Chapter 7. Role Of Nanoscience And Nanotechnology In Sustainable Development -- Chapter 8. Biomedical Devices For Remote Diagnosis And Monitoring Based On Iot -- Chapter 9. Medical Physics Sustenance In Modern India -- Chapter 10. Newer Devices And Remote Diagnostics And Monitoring Based On Iot -- Chapter 11. Bibliometric Analysis Of Biomedical Iot

Devices For Remote Diagnosis And Monitoring -- Section III: Role of Biotechnological and Microbiological Advancements for Sustainable Development -- Chapter 12. Biotechnology As A Catalyst For Sustainable Development: Leveraging Innovation For Global Goals -- Chapter 13. Sustainable Development Of Agriculture Through Biotechnological Interventions- An Ideal Approach -- Chapter 14. Microalgae-Based Remediation Of Contaminated Water- A Way Forward To Achieve Sdgs Goal-6 -- Chapter 15. Microbial Strategies to Remove Organic Pollutants and Heavy Metals From Water For Sustainable Human Civilization -- Chapter 16. Contributory Role of Biosurfactant in Creating a Sustainable Environment -- Chapter 17. Green Carbon Dots: A Ne Avenue Toards Sustainable Development -- Section IV: Role of Wastewater Treatment Technologies for Sustainable Development -- Chapter 18. Valorization Of Agro-Industrial Waste Into Value-Added Nutraceuticals For Sustainable Development -- Chapter 19. Navigating Sustainable And Healthy Future: Green Nanotechnology, Regulatory Priorities, And Challenges -- Chapter 20. From Challenges To Opportunities: Exploring Minimum Liquid Discharge And Zero Liquid Discharge Strategies For Wastewater Management And Resource Recovery -- Section V: Role of Applied Sciences for Sustainable Development -- Chapter 21. Microbial Biotechnology: A Catalyst For Sustainable Development And Circular Economies -- Chapter 22. Pharma Sciences As A Tool For Sustainable Development -- Chapter 23. Sustainable Practices And Circular Economy In Pharmaceutical Sciences In India And Abroad -- Chapter 24. Agro-Biotechnology: A Rescue Against World Hunger -- Chapter 25. Paving The Way For A Better Tomorrow -- Chapter 26. Present And Future Aspects Of Nuclear Medicine Technology For Sustainable Development In India -- Chapter 27. Geen Hrm : Catalyst For Sustainable Development And Organizational Success -- Chapter 28. Journey Of Indian Space Organisation (Isro) -- Section VI: Technological Interventions for Sustainable Development -- Chapter 29. The Role Of Computer Science In Advancing Sustainable Development Goals: A Comprehensive Analysis -- Chapter 30. From Code To Sustainability: The Impact Of Computer Science For Sustainable Development -- Chapter 31. Role Of Molecular Modelling In Sustainable Development -- Chapter 32. Recent Advances in Self-Healing Electronic Materials for Energy-Harvesting Devices -- Chapter 33. Flow of Complex Fluids Through Packed Bed -- Chapter 34. Role of Geospatial Technology for Sustainable Development in India.

Sommario/riassunto

This book discusses the role of science and technology in forging a sustainable and harmonious world. It delves into new horizons in healthcare, food security, climate change, energy, sustainable transportation, role of computational and data sciences in sustainability, and mental health and aims to cultivate innovative solutions that benefit both the planet and its inhabitants. The second volume is inspired by a unified objective: preserving our planet, fostering universal well-being, and envisioning a world where collective efforts drive positive change through an exploration of conventional and emerging technologies. The book chapters enrich the global discourse on sustainability, steering us toward a resilient and healthier future. With every chapter authored by dedicated experts, this book stands as a testament to the commitment to a better world and serves as a great resource for researchers, environmentalists, and students.