1. Record Nr. UNINA9910874666103321

Autore	Srivastav Asheem
Titolo	Forest Policies, Laws, and Governance in India : Conservation Challenges in the Face of Climate Change / / edited by Asheem Srivastav
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819738625
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (430 pages)
Disciplina	333.7
Soggetti	Environmental management Forestry Environmental policy Environmental Law Environmental Management Environmental Policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Dynamic Definitions: Unraveling the Impact of Everchanging Perspectives -- Nature’s Nonpareil Gift – Forests -- Efficacy of Forest Acts and Forest Policies in India -- Nature’s Sanctuary – Forests as the Sine Qua Non of Biodiversity and Environment -- Status of India’s Forests -- Assessing Forest Resilience Amidst the Challenges of Climate Change -- Conserving Wildlife -- Forests are Key to Climate Mitigation -- The Future of Indian Forests: The Outlook 2050.
Sommario/riassunto	The book delves into the intricate relationship between India’s forest governance, laws, and policies over time, examining their effects on the quality and coverage of the country’s forests. Historically, especially during the British era and the initial phase following independence, forests were valued for timber, leading to increased deforestation to fulfill the rising demands of shipbuilding, railways, residential construction, and industry. The economic benefits derived from converting forest land for developmental purposes were a key factor in this trend. However, recent statistics indicate that except Maharashtra, most of the forest rich states including MP and Chhattisgarh have

	lagged in economic development. The history of overexploitation and diversion for non-forestry use has also led to less forest area per capita. India has lost tree biomass much more than its productivity potential, and the average biological productivity of Indian forest is much below the global average. It is extremely important to restore the health of natural forests which are, by far, the best and a highly cost-effective carbon sequestering machine provided by nature. The book also provides research data, both at national and global scales to convincingly put forward the contention that natural forests are sine qua non and under no circumstances can farm and roadside plantations, tea and coffee plantations, and orchards be a substitute for natural forest for three important reasons: (1) the influence of natural forest on rainfall, (2) the complexity in maintaining energy flow, and (3) the impact of natural forest or deforested sites on soil.

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Record Nr.	UNINA9910502666003321
Titolo	Microbial Products for Health, Environment and Agriculture / / edited by Pankaj Kumar Arora
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-16-1947-6
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (381 pages)
Collana	Microorganisms for Sustainability, , 2512-1898 ; ; 31
Disciplina	660.62
Soggetti	Microbiology Microbial ecology Industrial microbiology Microbial populations Environmental Microbiology Industrial Microbiology Microbial Communities Microbial Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Chapter 1. The good side of evil: Harnessing the power of Helminths as therapeutics -- Chapter 2. Microbes: An integral component of flavor production -- Chapter 3. Clinical potential of bacteriophage and endolysin based therapeutics: a futuristic approach -- Chapter 4. Probiotics : Origin, products and regulations in India -- Chapter 5. Fungi and its by-products in food industry: An unexplored area -- Chapter 6. Biogenic synthesis of nanomaterials toward environment-friendly approach -- Chapter 7. Fungal potential for the degradation of synthetic dyes: An overview of renewable alternatives for the production of lignin-modifying enzymes. Advances in biotechnology -- Chapter 8. Industrial scale production of important therapeutic proteins using bacterial expression system -- Chapter 9. Role of microbes and microbial products in cancer therapeutics. Chapter 10. Bacterial cellulose: A multifaceted microbial product -- Chapter 11. Bioremediation: Going the ‘nano’ way -- Chapter 12. Recent advances in microbial remediation techniques for xenobiotics-polluted soil -- Chapter 13. Microbial Enzymes as Thrombolytics -- Chapter 14. Plant growth promoting microbes and their potential application in biotechnology -- Chapter 15. Advances in the bioremediation of pharmaceuticals and personal care products (PPCPs)- polluted water and soil -- Chapter 16. Screening of microbial enzymes and their potential applications in the bioremediation process. .
Sommario/riassunto	This edited volume discusses the role of various microbial products in healthcare, environment and agriculture. Several microbial products are directly involved in solving major health problems, agricultural and environmental issues. In healthcare sector, microbes are used as anti-tumor compounds, antibiotics, anti-parasitic agents, enzyme inhibitors and immunosuppressive agents. Microbial products are also used to degrade xenobiotic compounds and bio-surfactants, for biodegradation process. In agriculture, microbial products are used to enhance nutrient uptake, to promote plant growth, or to control plant diseases. The book presents several such applications of microbes in the ecosystems. The chapters are contributed from across the globe and contain up-to-date information. This book is of interest to teachers, researchers, microbiologists and ecologists. Also the book serves as additional reading material for undergraduate and graduate students of agriculture, forestry, ecology, soilscience, and environmental sciences.