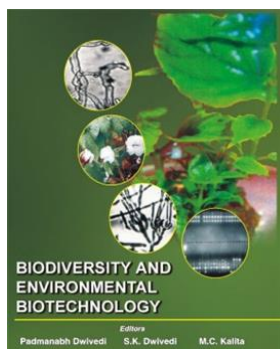


Biodiversity and Environmental Biotechnology

[P. Dwivedi](#) , [S.K. Dwivedi](#) & [M.C. Kalita](#)



ISBN	: 9788172334673	Book Format	: Book
E-ISBN	: 9789388449786	Binding	: Hard Bound
Language	: English	Edition	: 1
Imprint	: Scientific Publishers	© Year	: 2019
Pages	: 563	Trim Size	: 7.5 x 9.75
Weight	: 1200 Gms		

Print Book : ~~₹2,750.00~~ **₹2,475.00** **10%Off**

Individual E Book : **₹3,575.00**

Institutional E Book : **Price available on request**

Blurb

This book embodies twenty four chapters. The methodology of tools and techniques has been given due place in these chapters. Figures, illustrations and examples are presented to elucidate the topics making the subject more interesting and knowledge-rich. The book covers a wide range of topics like phyto and microbial diversity; medical microbiology; application of plant tissue culture techniques, bioinformatics, bioprospecting and synthetic seed technology, etc in the study of biodiversity and its management. Further, topics such as transgenics, bioremediation, waste utilization and role of single cell proteins, biopesticides, organic farming, scope of genetically modified organisms (GMOs), biotechnological approach of curbing air pollutants, air pollution biomonitoring, sericulture, pharmacognosy, characterization of biodiversity through molecular approach, etc have also been covered in this book. Biodiversity and its management have roots in cultural practices and diversity, besides traditional knowledge.

Table of Contents

1. Human culture and biodiversity: some reflections of their interrelation - A. K. Bhagabati
2. Air pollution biomonitoring: Lichens as an indicator species - Jayashree Rout
3. An overview on sericulture biotechnology in India - B.G. Unni, Jyotsana Kumari, Utpala Bora, Barnali Devi and S.B. Wann
4. Mitigating greenhouse gas effect and stratospheric ozone depletion. Approaches based on biotechnology - Alak Kumar Buragohain
5. Application of DNA fingerprinting for characterization of biodiversity - Anindita Khan, Mhathung Yanthan and Arvind K Misra
6. Transgenic technology and its implications in the improvement of crop plants - Lingaraj Sahoo and Siva Kumar Solleti
7. Biodiversity and application of plant tissue culture in conservation and management of phytodiversity - Padmanabh Dwivedi
8. Synthetic seeds - P. S. Srivastava and Alka Narula
9. Pharmacognosy and Phytotherapy research - Subhash C. Mandal and S. Mohana Lakshmi
10. Bioinformatics in biotechnological research - Pramod Tandon and Pallavi Bhattacharjee
11. Biodiversity informatics - Samiron Phukan
12. Microbial diversity and bioprospecting - Pranab Goswami
13. Microbial degradation and bioremediation of nitroaromatic compounds - Debananda Ningthoujam
14. Microbial metabolism of hydrocarbons and microbial enhanced oil recovery - Manab Deka
15. Phytoremediation of heavy metals: A new strategy for environmental decontamination - S. Deka
16. Biopesticides: Role in management of phytopathogenic microbes - S. K. Dwivedi and Rajiv D. Dwivedi
17. Plant growth promoting rhizobacteria: Its dual role in growth promotion and disease control of crop plants - B.S. Dileep Kumar, A.K. Mishra and S. Dutta
18. Traditional fermented foods of Manipur - Ningthoujam Sanjoy Singh, C. Pamei, Eshingchaobi Keisam Chanu and G.A. Shantibala Devi
19. Waste utilization and production of single cell protein - R. Saravanamuthu
20. Medical microbial diversity and human health - A.C. Phukan
21. Bio-energy resource availability, production and utilization – A case for North-East India - D. Deka
22. Genetically modified organisms (GMOs) and its impact on environment and biodiversity - M.C. Kalita and S. Phukan
23. Organic farming: An overview for sustainable and eco-friendly agriculture - A.C. Deka, M.C. Kalita and Padmanabh Dwivedi
24. Vermiculture Biotechnology: An Overview - D.P. Singh and V. Dutta

This is computer generated document and does not require signature