

1. Record Nr.	UNINA9910767541803321
Titolo	Environmental Biotechnology Vol. 2 // edited by K. M. Gothandam, Shivendu Ranjan, Nandita Dasgupta, Eric Lichtfouse
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-38196-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (261 pages)
Collana	Environmental Chemistry for a Sustainable World, , 2213-7114 ; ; 45
Disciplina	628.5
Soggetti	Agriculture Water pollution Air pollution Polymers Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Atmospheric Protection/Air Quality Control/Air Pollution Polymer Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Biochar technology for Environmental Sustainability -- Chapter 2. Biorefinery: A Concept For Co-Producing Biofuel With Value Added Products -- Chapter 3. Nanobioremediation technologies for potential application in Environmental Cleanup -- Chapter 4. Biosurfactant in Food and Agricultural Application -- Chapter 5. Influence of sustainable agricultural practices on healthy food cultivation -- Chapter 6. Application of Microbial Fuel Cells for Treatment of Paper and Pulp Industry Wastewater: Opportunities and Challenges -- Chapter 7. MicroRNAs as biomarkers for prediction of environmental health and toxicity: A systematic overview -- Chapter 8. Microbial -omics: Role in ecological studies and environmental control measures -- Chapter 9. Wastewater: Sources of Pollutants and its Remediation -- Chapter 10. Biotechnological applications of fungal enzymes with special reference to bioremediation.
Sommario/riassunto	This book provides the technological insight on biorefinery and

nanoremediation and provides comprehensive reviews on applications of Biochar for environmental sustainability. Critical review on biosurfactants in food applications as well as sustainable agricultural practices has also been provided in this book. It also highlights the microbial-omics and microRNAs for protecting ecotoxicity. Overall, this book provides critical as well as comprehensive chapters on wastewater treatment using different technologies.
