

1.	Record Nr.	UNICAMPANIAVAN00256084
	Autore	Lipsman, Ronald L.
	Titolo	Group Representations : A Survey of Some Current Topics / Ronald L. Lipsman
	Pubbl/distr/stampa	Berlin, : Springer, 1974
	Descrizione fisica	x, 166 p. ; 24 cm
	Soggetti	22-XX - Topological groups, Lie groups [MSC 2020] 22Exx - Lie groups [MSC 2020] 43-XX - Abstract harmonic analysis [MSC 2020]
	Lingua di pubblicazione	Inglese
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2.	Record Nr.	UNINA9910851994503321
	Autore	Shahnawaz Mohd
	Titolo	Microplastic Pollution / / edited by Mohd. Shahnawaz, Charles Oluwaseun Adetunji, Mudasir Ahmad Dar, Daochen Zhu
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
	ISBN	981-9983-57-6
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	Descrizione fisica	1 online resource (XXI, 546 p. 1 illus.)
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Part 1. General Overview of Types, Source, Application and transportation of Microplastic from land to marine -- 1. General Introduction of microplastic: uses, Types and generation -- 2. Primary microplastic: source, uses, transportation from land to marine environment -- 3. Sources, uses and transport of secondary microplastic from land to marine environment -- 4. Usage of microplastic beads in pharmaceuticals and cosmetics industry: a review -- 5. Application of microplastic in toiletry products -- Part 2. Different Key sources of microplastic pollution -- 6. Waste water treatment plants as hotspots of microplastic pollution -- 7. Microplastics originating from paints and synthetic textile materials -- 8. Fishing gears and nets as a source of microplastic -- 9. Tyres, bitumen wear and plastic bottles, other single used plastic as major source of microplastic -- Part 3. Reports on Collection, Identification, Estimation and Removal of microplastics from the contaminated -- 10. Reports on collection, identification and estimation of microplastic in the freshwater bodies -- 11. Detection, collection, identification and estimation of microplastic from the marine environment: An overview -- 12. Detection of microplastic in waste water treatment plants -- 13. Report of microplastic presence in drinking water -- 14. Detection of microplastic in sea food.-15. Reports of microplastic in human blood -- 16. Removal of microplastic from the waste water treatment plants -- Part 4. Entry of microplastic in the food chain and its toxicity and impact on terrestrial flora and fauna -- 17. Entry of the microplastic in the food chain and food web -- 18. Insect interactions with microplastics under different ecosystem -- 19. Microplastic as a pathogenic vector to cause diseases in marine biota -- 20. Microplastic to accumulate microbial pathogens in the terrestrial environment -- 21. Impact of microplastic on physiology of benthos -- 22. Microplastics and Microorganisms – A Evolutionary Symbiosis in Terrestrial Environment -- 23. Insights of the toxic impact of microplastic on the flora -- 24. Toxicity of microplastic on the flora and fauna of the freshwater ecosystem: An overview -- 25. Photocatalytic degradation of microplastic in the environment -- Part 5. Microbial approaches to degrade microplastic pollution -- 26. Biodegradation of microplastic using bacterial cultures -- 27. Myco-degradation of microplastic -- 28. Reports of Actinomycetes to degrade microplastic -- 29. Algal-based degradation of microplastic: Prospects for Combating Microplastic Pollution -- 30. Recent trends to address the microplastic waste at global level.

## Sommario/riassunto

This edited volume covers cutting-edge research on different facets of microplastic pollution at the global level. The book describes different types of microplastics, their sources, transportation, extraction, identification, deleterious effects (on flora and fauna) and various mitigation measures. This book discusses recent advances in microplastic pollution and suggests future research directions to mitigate microplastic at the global level. It constitutes six important sections to report different facets of microplastic pollution. Section 1 deals with microplastic types, sources, uses and transport from land to aquatic environment; Section 2 reports detection, collections, extraction and identification of different types of microplastic from various polluting sites; Section 3 suggests cleaning drives for the removal of microplastic from the polluting sites; Section 4 highlights the impact of microplastic waste on flora and fauna in both terrestrial and aquatic environments; Section 5 enlists various microplastic degradation approaches to mitigate microplastic; and Section 6 discusses recent regulations/policies to minimize microplastic generation, followed by future research directions to mitigate

microplastic pollution at global level. This book is of interest and useful to professionals working on microplastic mitigation, environment protection and waste management, NGOs and policymakers.

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