

1. Record Nr.	UNINA9910768458203321
Titolo	Sustainable agriculture reviews 50 : emerging contaminants in agriculture // edited by Vipin Kumar Singh, Rishikesh Singh, Eric Lichtfouse
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-63249-0
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XV, 413 p. 40 illus., 38 illus. in color.)
Collana	Sustainable Agriculture Reviews, , 2210-4410 ; ; 50
Disciplina	170
Soggetti	Environmental chemistry Catalysis Biomedical engineering Materials nanoestructurats Ecologia agrícola Química ambiental Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 01 Sources and impacts of emerging contaminants in agro-ecosystems -- Chapter 02 Sewage wastewater and sludge as source of traditional and emerging contaminants in agro-ecosystems -- Chapter 03 Dew as source of emerging contaminants in agricultural system -- Chapter 04 Particulate matter pollution and global agricultural productivity -- Chapter 05 Dyes from textile industry wastewater as emerging contaminants in agricultural fields -- Chapter 06 Pharmaceuticals as emerging contaminant in agriculture: Source, transport, ecological risks and removal strategies -- Chapter 07 Antibiotics and antibiotic resistance genes in agro-ecosystem s as emerging contaminants -- Chapter 08 Soil Contamination by Polycyclic Aromatic Hydrocarbons in the Agro-ecosystems -- Chapter 09 Emerging nano-agrochemicals for sustainable agriculture: Benefits, challenges and risk mitigation -- Chapter 10 Transport of emerging contaminants from agricultural soil to groundwater -- Chapter 11 Fate

and Transport of Engineered Nanoparticles as an Emerging Agricultural Contaminant -- Chapter 12 Threats of Nano-Material Contamination in Agro-ecosystem -- Chapter 13 Mechanism of toxicity of engineered nanomaterials and defense by the crop plants -- Chapter 14 Non-Judicious use of pesticides indicating potential threat to sustainable agriculture -- Chapter 15 Indigenous agricultural knowledge towards achieving sustainable agriculture.

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Sommario/riassunto

This book reviews contaminants of emerging nature affecting the agroecosystem and includes important information regarding their sources, types, transportation, environmental threats and strategies to decontaminate the affected agroecosystems. The contents of this volume will help the policy makers and environmental engineers in combating the continuously rising threats to cultivated ecosystems.

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