

1. Record Nr.	UNINA9910882891103321
<b>Titolo</b>	Arsenic Remediation of Food and Water : Technological Interventions and Perspectives from Developing Countries / / edited by Bhaskar Sen Gupta, Nadia Martínez-Villegas
<b>Pubbl/distr/stampa</b>	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
<b>ISBN</b>	9789819747641 9819747643
<b>Edizione</b>	[1st ed. 2024.]
<b>Descrizione fisica</b>	1 online resource (449 pages)
<b>Disciplina</b>	628.5
<b>Soggetti</b>	Environmental management Food - Safety measures Water Hydrology Biopolymers Biomaterials Environmental protection Civil engineering Bioremediation Environmental Management Food Safety Soil and Water Protection Environmental Biotechnology
<b>Lingua di pubblicazione</b>	Inglese
<b>Formato</b>	Materiale a stampa
<b>Livello bibliografico</b>	Monografia
<b>Nota di bibliografia</b>	Includes bibliographical references.
<b>Nota di contenuto</b>	The Contamination of Water and Soil from the Dissolution of As-Bearing Mineral Waste in Matehuala, Mexico -- Arsenic Contamination in Indonesia -- Assessment of Arsenic Contamination in Groundwater in the Ayeyarwaddy Region of Myanmar: A Study by Irrigation and Water Utilization Management Department of Myanmar -- Assessing Hazards of Arsenic Leakage in Multi-Layered Aquifer System in a Part of Middle Ganga Plains, Northern India -- Systematic Review of Arsenic Contamination, Toxicity and Remediation Techniques in Malawi --

Groundwater Arsenic Contamination in Karimpur-I Block, District Nadia, West-Bengal and Investigation for Safe Water -- Arsenic Contamination of Water Sources in Southern Africa: Role of Artisanal and Small Scale Mining Sector -- Source Apportionment of Heavy Metal(lloid)s in the Surface Soils of Cerrito Blanco, Mexico: A Comparative Study of Three Receptor Models (APCS-MLR, PMF, and UNMIX Model) -- Polymer Nanofilm Composite Membranes for Ionic and Molecular Separation: History, Challenges and Future Perspectives -- Novel Cellulose-Based Hectocycle Nanopolymers for Arsenic Removal from Groundwater -- Investigation of Physicochemical Characteristics for Alumina Selection for Fluoride and Arsenic Removal -- Arsenic Remediation from Water in Burkina Faso Using Local Materials as Adsorbents: Overview, Mitigation and Prospects.

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**Sommario/riassunto**

The book provides information on the sources of arsenic contamination of groundwater and their impacts in the first part of the book consisting of 8 chapters. Process developments such as nano-adsorbents for removal of arsenic and other heavy metals are discussed in the second part of the book that comprises of 4 chapters. The third part of the book includes 4 chapters on technological interventions for the removal of arsenic such as indigenous ceramic membranes and Subterranean Arsenic Removal (SAR). The fourth part of the book deals with arsenic contamination in food materials and food chain systems, and consists of 5 chapters. Arsenic has long been associated with a variety of health complications in the human body. In order to address this, a chapter on arsenic contamination and impacts on human health has been included in the fifth part of the book. The book would be a valuable reference material for the scientific community in developing countries working on community water supply and treatment, food safety, public health and policy.

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