

## **About the Book**

Deterioration of groundwater quality consequent to large scale groundwater withdrawal to support agricultural and industrial needs has already emerged as a potential threat to sustainable drinking water sources as a result, safe water resources are being scarce day by day. This has become a big menace in the rural areas of Indian sub-continent where 90% of the population depend for their safe drinking water, on ground water resources. However, it is no longer an issue for Indian alone. Several countries are facing the same water quality menace and the whole issue has become a deep global concern, as even the food chain due to groundwater based irrigation have also shown considerable pollution effects.

Contamination of groundwater both geogenic and anthropogenic has resulted in a vulnerable environment scenario. Recent researches have established that pollution of ground water through plastic wastes is also quite significant. This book has tried to embody some of the groundwater contamination problems which have been successfully mitigated through various remedial through various remedial measures. These success stories may go a long way in redressal of the problem.

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- 1) Adsorption of Heavy Metal with Aged Microplastic in Groundwater Under Varying Organic Matter Content
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- 4) Spatio- Temporal Variation in Physico- Chemical Properties of Groundwater within Arsenic Affected Shallow Alluvial Aquifers of Murshidabad District , West Bengal , Eastern India
- 5) A vivid Picture of the Distribution , Impact and Consequences of Fluoride in India Perspective
- 6) Analysis of Chemical Characteristics of Fluoride rich Waters in Deeper Coastal Aquifers of Alapuzha District , Kerala State, South India for Domestic and Irrigation Purposes.
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- 13) Occurrence of Arsenic in Groundwater Resources of Majuli River Island in Brahmaputra River Basin
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- 17) Fluoride Contamination in Ground water – Some Mitigation Options
- 18) High Arsenic Groundwater Contamination Issues, Causes and Mitigation Strategies with Successful Case Histories