

About the Book

Study of quality and quantity of water is essential for the survival of human beings and aquatic life. Management of the water quality is a matter of urgency for day-to-day life and for the biological productivity of aquatic systems, agricultural activities, domestic-industrial use, recreation, navigation, etc. The present water quality problem in surface and subsurface environments in many countries are due to accelerated anthropogenic stress and results in environmental degradation. Thus the water quality study has gained its importance as the only solution to tackle the global fresh water crisis, to better understand the surface water quality and their present and future status. Keeping this in mind, several experts were invited to contribute to this book on quality problems of the surface and subsurface environment to reflect the status of water quality in their respective countries. Water quality of various aquatic systems in Germany, France, Kenya, Australia and in the Indian subcontinent and ground water quality in Sri-Lanka, Sweden and Indian subcontinent have been covered in this book. Contributors represent nine countries namely, India, Sri Lanka, Bangladesh, Germany, England, Japan, Sweden, Australia, Kenya and France.

The editorial committee to make the book more readable has suitably edited all the invited papers. This book is intended to be a standard reference for the hydrogeochemists, water supply and water resource managers, groundwater specialist, hydrologist, geochemist, ecologists, hydrobiologist, coastal-marine scientists and those interested in the water quality studies in aquatic systems of surface environment and ground waters.

Contents:

- 1. River of organic carbon into the global ocean: controlling factors*
- 2. The latest view of river basin management and water quality in Europe: with special Emphasis on Sweden*
- 3. Nitrogen turnover in a surface constructed wetland receiving dairy farm wastewater*
- 4. Study of water quality in lake Naivasha, Kenya*
- 5. River water of Bangladesh : quantity and quality*
- 6. Water quality assessment in Kenya: a case study of the coffee processing industries in Kiambu District*
- 7. A hydrogeoenvironmental appraisal of the groundwater fluoride contamination in the Assam valley of the Brahmaputra floodplains*
- 8. Hydrogeochemical survey data: utility in water quality assessment*
- 9. Hydrochemical characteristic of rainfed surface water tanks in ramanathapuram coast, Tamil nadu*
- 10. The Neyyar Basin, Kerala, India: a Hydrogeochemical portrait*