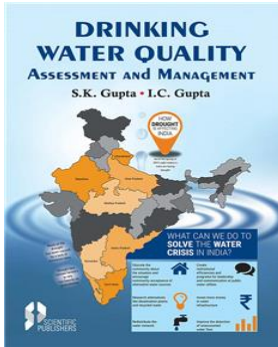


## DRINKING WATER QUALITY Assessment and Management

**S.K. Gupta & I.C. Gupta**



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### Blurb

Sustainable Development Goal 6 (SDG 6) of the UN General Assembly states that Governments to ensure availability and sustainable management of water and sanitation for all . It concentrates on all aspects of the water cycle: water; water resources management; water-use efficiency; water quality; waste water management; sanitation and health; and protecting freshwater ecosystems . Contrarily, we daily witness the most perplexing paradox of merciless waste and pollution of water despite being aware that water is inadequate and is not going to last for long. Water inadequacy, be it physical, economical or quality related, is spreading fast to cover every continent. Although allocation of water to domestic sector in terms of total water use is quite less yet as per United Nations statistics water is impacting over 2 billion people who live in countries experiencing high water stress and about twice this number experience water scarcity at least for a month every year. The current book dwells upon the water quality issues and its impact on water supply scenario in general and domestic sector in particular. The book has been divided into seven chapters namely: Water Resources: Supply and Demand; Water Pollution; Water Quality Parameters and Standards; Laboratory Analysis of Water Samples; Raw Water Treatment; Treatment of Polluted Water; and Tips for Water Conservation. The topics covered in this book are quite relevant to civil engineers in general and public health engineers in particular, environmental specialists, agricultural engineers and all those concerned with water in any manner. It should prove to be a valuable reference for field practitioners, researchers, and policy makers. The topics/chapters included in the book have direct relevance to several Government sponsored programs such as National Rural Drinking Water Programme (NRDWP) and Namami Gange Programme of the Ministry of Jal Shakti, Development and Promotion of Clean Technologies of MoEF, and Many schemes of CGWB and CPCB. It can prove to be a valuable academic asset for libraries of colleges and universities worldwide.

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