

# Preface

In the last decade, there have been several attempts in developing a systematic approach in determination of appropriate interventions and/or measures for water quality control. One of the challenging approaches is to derive the pollution loading and its relationships to other socioeconomic factors in a given aquatic environment. This book encompasses an interesting initiative on the application of pollutant discharge per capita (PDC) as a key determinant of strategic development for water quality management and control. Not only theoretical considerations of PDC approach are given, the field experiences on PDC applications in several case studies in Japan and other developing countries are illustrated in the book chapters, which allow readers to realize the salient features of PDC as well as its advantages and limitations. The relationships of technological interventions and socioeconomic implications are clearly explained together with roles of potential stakeholders in implementing the recommended measures. Readers of the book will mainly benefit from a systematic understanding through integrative approach for water quality control.

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