

# Basic Principles of Wastewater Treatment

*Basic Principles of Wastewater Treatment* is the second volume in the Biological Wastewater Treatment series, and focusses on the unit operations and processes associated with biological wastewater treatment. The major topics covered are:

- microbiology and ecology of wastewater treatment
- reaction kinetics and reactor hydraulics
- conversion of organic and inorganic matter
- sedimentation
- aeration

The theory presented in this volume forms the basis upon which the other books of the series are built.

## About the series:

This highly acclaimed series comprises seven textbooks – available in print or as Open Access ebooks – which provide a state-of-the-art presentation of the science and technology of biological wastewater treatment. All volumes of the series have been thoroughly used by students, researchers and practitioners in developed and developing countries.

## Titles in the Biological Wastewater Treatment series:

Volume 1: *Wastewater Characteristics, Treatment and Disposal*[1]

Volume 2: *Basic Principles of Wastewater Treatment*

Volume 3: *Waste Stabilisation Ponds*[2]

Volume 4: *Anaerobic Reactors*[3]

Volume 5: *Activated Sludge and Aerobic Biofilm Reactors*[4]

Volume 6: *Sludge Treatment and Disposal*[5]

Volume 7: *Treatment Wetlands*[6]

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