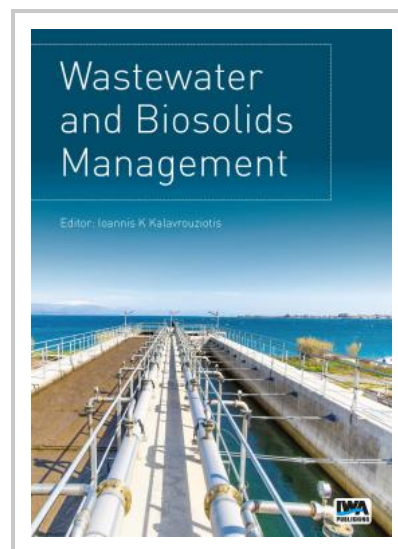


# Wastewater and Biosolids Management

**Editor(s):** Ioannis K Kalavrouziotis

*Wastewater and Biosolids Management* covers a wide range of current, new and emerging topics in wastewater and biosolids. The book addresses the theoretical and practical aspect of the reuse and looks to advance our knowledge on wastewater reuse and its application in agricultural production.

The book aims to present existing modern information about wastewater reuse management based on earlier literature on the one hand and recent research developments, many of which have not so far been implemented into actual practice on the other. It combines the practical and theoretical knowledge about 'wastewater and biosolids management' and in this sense it is useful for researchers, students, academics as well as for professionals.



## Contents

The Wastewater Management in Ancient Times; Wastewater Management: Introduction to New Technologies; Novel Biological Processes for Nutrient Removal and Energy Recovery from Wastewater; Nanofiltration and Energy Consumption In Low Quality Wastewater Reuse; Management Of Pharmaceutical-Antibiotic Microcontaminants in Urban Wastewater Effluents by Advanced Biological and Chemical Wastewater Treatment; Heavy Metal Interactions Under the Effect of the Wastewater and Sludge Reuse in Agriculture; Microplastics and Synthetic Fibres in Treated Wastewater and Sludge; Wastewater Reuse: Uptake of Contaminants of Emerging Concern by Crops; Biosolid Composting and Soil Applications; Anaerobic Digestion and Energy Generation from Biosolids; Advanced Oxidation Processes of Wastewater Treatment; Existence of Organic Micropollutants in the Environment due to Wastewater Reuse and Biosolids Application; Conclusions and Recommendations

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