

Special Issue

Advances in Water and Wastewater Treatment Processes

Message from the Guest Editors

This Special Issue will cover the most recent progress and developments in the wide range of the treatment technologies to provide the state-of-the-art knowledge for the removal of pollutant from water and wastewater. The potential technologies include but are not limited to:

- Activated sludge and its variants
- Extended aeration
- Membrane filtration and bioreactors
- Sequencing batch reactors
- Attached growth biofilm reactors
- Moving bed biofilm reactors
- Aerobic / anaerobic systems
- Nature-based solutions such as constructed wetlands, stabilization ponds, etc.
- Trickling filters
- Upflow anaerobic sludge blanket reactors
- Chemical treatment
- Microbial fuel cells
- Filtration with eg activated carbon, natural rocks, synthetic media, etc.
- Dissolved air flotation
- Coagulation, flocculation, adsorption, ion exchange
- Advanced oxidation processes such as ozonation, photocatalysis, UV radiation, hydrogen peroxide oxidation, etc.
- Waste sludge minimization and stabilization
- Materials and nutrient recovery
- Mathematical simulation methods

Guest Editors

Dr. Alexandros Stefanakis

Prof. Dr. Yaqian Zhao

Dr. Arlindo Gomes

Dr. Simos Malamis

Deadline for manuscript submissions

closed (15 March 2023)



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Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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