

## 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.
- Tricking 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

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### Guest Editors

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Prof. Dr. Yaqian Zhao

Dr. Arlindo Gomes

Dr. Simos Malamis

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### Deadline for manuscript submissions

closed (15 March 2023)



## Processes

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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