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## Advanced Biofilm Processes for Removal and Resource Recovery

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Deadline for manuscript  
submissions:

**closed (30 May 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue will cover the development, design, operation, and modelling of state-of-the-art biofilm processes for water resource recovery facilities. Topics will include the removal of compounds such as nitrogen, phosphorus, pharmaceuticals, micropollutants, and other emerging contaminants, as well as the recovery of resources using methods such as enhanced biological phosphorus removal and recovery, carbon re-direction, fermentation, and biogas and bioproduct production. Case studies and reviews of process intensification, such as moving bed biofilm reactors (MBBR) and integrated fixed-film activated sludge (IFAS) retrofits of existing activated sludge systems, or energy efficient treatments, such as membrane biofilm reactors (MBfR) and aerobic granular sludge (AGS) employing simultaneous nitrification and denitrification or partial nitritation anammox processes, are encouraged.

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*Guest Editors*



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Special Issue



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## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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