Special Issue

Application of Biofilm in Wastewater Treatment and Resource Recovery

Message from the Guest Editors

Current water scarcity is increasing the demand for higher control of the chemical and biological contamination of water resources, which is a major concern for society, public authorities, and the industry. In this context, domestic and industrial effluents should be adequately treated to reach the quality required for increasing the water reuse rate, thus reducing potable water consumption and protecting the environment. A constant effort is being made to develop more efficient wastewater treatment technologies able to concomitantly remove organic matter, nutrients and other pollutants from wastewater. Apart from this traditional role, resource recovery from wastewater is also of great importance as it will contribute to the sustainability of the wastewater treatment sector. Over the past years, biofilm-based treatment technologies have emerged as a promising alternative to their conventional biological counterparts, especially for the treatment of high-strength effluents, responding to the actual needs of wastewater treatment. New research papers, reviews and case reports are welcome.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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