

Application of Biofilm in Wastewater Treatment and Resource Recovery

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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.

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Message from the Editor-in-Chief

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