Special Issue

Advanced Processes for Industrial Wastewater Treatment

Message from the Guest Editors

Water scarcity and drought is a real and significant problem throughout the entire world, affecting social and economic activities, and the environment. Water recycling is one of the keys aiming to increase water availability and achieve a smooth adaptation to climate change. Water recycling brings many important benefits such as controlling pollution, limiting the spread of antibiotic-resistant genes and emerging pollutants, maintaining biodiversity and improving the adaptation and resilience of urban and rural communities to climate change. As is already done in some countries, it is necessary to include recycled water in water management plans. Such plans must include all the information on treatment processes and associated costs, quality and quantity of reused water and where it can be used (e.g., irrigation or recreational activities) for the communities benefit. Considering the problems associated with industrial wastewaters, the main objective of this Special Issue is to understand the role of novel and advanced treatment technologies for industrial effluents with different characteristics aiming to achieve the reuse of recoverable water.

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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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