

Special Issue

Searching for Sustainable Solutions in Wastewater Treatment and Water Reuse

Message from the Guest Editors

Water is an essential natural resource that, due to the constant population growth and consequent demand, has been driven to scarcity and loss of quality. Both a conscientious water usage and reuse have been adopted as international policies to mitigate water stress. The sectors of agriculture and industry are those with the highest water demand, followed by human consumption, creating the need for water reuse. Wastewater treatment plants may be considered sources for reuse of treated water. For this purpose, the development of economic and sustainable technologies and the search for integrated treatment solutions are needed in order to promote safe water use and reuse. Apart from the compliance of treatment levels and regulations, ecotoxicity testing is a meaningful risk assessment tool for wastewater treatment and reuse. Moreover, methodologies are very useful to assess and quantify the environmental and economic-financial viability of water management strategies. In this Special Issue, we would like to share novel treatment strategies and technologies that may contribute to the sustainability and safety of water and wastewater treatment, and water reuse.

Guest Editors

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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