Special Issue

Membrane Technologies for Water and Wastewater Treatment

Message from the Guest Editors

Water scarcity is attracting concern worldwide due to population growth, industrialization, and reduction of available freshwater resources caused by pollution and climate change. As a result, poorer-quality water sources, such as wastewater, seawater, and stormwater, are being used as water sources for municipal applications. Membranes are ideally suited to the processing of such waters, as they are able to reliably produce high quality water from low-grade water supplies, with failures usually associated with membrane fouling and loss of production. As such, water quality is generally maintained during fouling processes and health risks are kept low. Keywords: wastewater; membrane; water treatment; water pretreatment; desalination Dr. Jianhua Zhang
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Deadline for manuscript submissions

closed (30 June 2019)

International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed

mdpi.com/si/13306

International Journal of Environmental Research and Public Health
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International Journal of Environmental Research and Public Health

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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.

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