Special Issue

Physical Treatment of Municipal Sewage and Drinking Water

Message from the Guest Editors

The 100-year-old biological treatments based on ‘activated-sludge process’ has made historic contributions to human wastewater treatment. However, it emits carbon dioxide, methane, and nitrous oxide, and wastes thermal energy in wastewater. Physical treatments are considered to be clean water treatment technology. Because physical treatments do not need to add additional chemicals, nor do they have biological pollution and other issues. Therefore, it is urgent to develop advanced insoluble-pollutants physical separators and soluble-pollutants physical separators with high separation efficiency and low energy consumption. In this Special Issue, the following topics are encouraged:(1) novel approaches and practices on insoluble-pollutants physical separators; (2) novel approaches and practices on soluble-pollutants physical separators; (3) novel approaches and practices on source separators; (4) wastewater heat recovery devices; and (5) novel approaches and practices on physical disinfection.

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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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