



*water*



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## Wastewater Treatment: Review, Key Challenges, and New Perspectives

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### Message from the Guest Editor

Wastewaters are formed in all human activities. They can be black wastewaters containing human excreta with enteric microorganisms, or they can be grey wastewaters containing washing wastewaters without human feces. Usually, cities collect and treat wastewaters and they have, therefore, professional personal. On the contrary, sewage pipes do not usually reach rural areas. This is also valid in industrial countries. Rural people must, thus, treat their own wastewaters. There are many different treatment methods, starting from simple dumping of wastewaters in ditches up to sophisticated treatments. Some systems have served royal families. The most sophisticated units need electricity and maybe some chemicals. All units need some maintenance work so that the user can be sure about their operation. Some treatment systems can cause microbiological and chemical contamination of drinking waters, but dry-toilet systems can save 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.

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