



water



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On-Site Wastewater Treatment

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editor

This Special Issue invites research articles on the all aspect of on-site wastewater treatment, and the results of laboratory, field- trial and modelling studies are all welcome. Such studies could focus on the soil treatment aspects of on-site wastewater systems in terms of contaminant transport and attenuation of different pollutants through the vadose zone and into groundwater; it could focus on different biogeochemical cycles in the soil treatment area (nitrogen, carbon, etc.) with links to direct and indirect greenhouse gas emissions; equally, it could focus on soil microbial diversity aspects of such soil treatment systems. The research articles could focus on the impact of such on-site systems at larger catchment/watershed scales in terms of their potential pollution of rivers (and groundwater). The research could also focus on novel treatment solutions for sites with different challenges (for example, cold climates, low permeability soils, high-density settlements etc.). Aspects such as water-related energy requirements (and opportunities for energy recovery), evaluation of different water management strategies to reduce carbon emissions are also encouraged.



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Special Issue



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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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