



Sanitation, Pollution Control and Water Management

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Message from the Guest Editors

While water scarcity affects more than 40% of the global population, and over 2.4 billion people lack access to basic sanitation services, a large number of cities are becoming increasingly vulnerable to flooding and related hazards. Floods and other water-related disasters account for 70% of all deaths related to natural disasters, and more than 80% of wastewater resulting from human activities is discharged into receiving waters without any treatment.

Nevertheless, in a large part of the developing world dry sanitation prevails, mostly using traditional or improved latrines, but with poor hygienic conditions, which are one of the main causes of outbreaks of diarrhoea, cholera, typhoid fever, and other waterborne diseases. In urban areas, on-site dry sanitation generally requires a chain of faecal sludge services, including collection, storage, transport, and treatment in an existing Wastewater Treatment Plant (WWTP) or in a dedicated Faecal Sludge Treatment Plant (FSTP), as well as final disposal of the biosolids. These issues clearly demand further research and insights.





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