Special Issue

Resource Use of Sewage Sludge for Soil Application

Message from the Guest Editors

Fast urbanization leads to gigantic volumes of municipal wastewater arising from human dietary life being discharged to municipal wastewater treatment plants. After wastewater is purified via aerobic and anaerobic treatments, a commensurate volume of sewage sludge (SS) finally in the form of a solid cake with a moisture of ~78% is generated. With the surge in efforts towards carbon neutrality, transforming SS into valuable products in via efficient and sustainable manners is becoming a pressing challenge the wastewater industry is facing. Intensively reported studies demonstrate that a considerable amount of phosphorus (P), a life-essential and non-renewable element, in SS could be mined to alleviate the supply chain pressure of phosphate rocks that are becoming increasingly scarce. Before exploiting this P resource from SS, however, inherent hazardous substances such as heavy metals (HMs) should be tackled, which indeed hamper SS valorization and P recovery and recycling. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/E95YX36273

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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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