



an Open Access Journal by MDPI

Resource Use of Sewage Sludge for Soil Application

Guest Editors:

Dr. Le Fang

RDC for Watershed Environmental Eco-Engineering, Advanced Institute of Natural Sciences, Beijing Normal University at Zhuhai, No. 18 Jinfeng Road, Xiangzhou District, Zhuhai 519080, China

Dr. Siqi Tang

College of Environmental Science and Engineering, Peking University, Beijing, China

Deadline for manuscript submissions: **20 August 2024**



mdpi.com/si/184551

Message from the Guest Editors

Dear Colleagues,

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







an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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 scientific domains and and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/water water@mdpi.com X@Water_MDPI