



Wastewater and Solid Waste Treatment

Guest Editor:

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Message from the Guest Editor

Fast-growing industrialization and urbanization have dramatically increased energy demand and the discharge of nutrients. With an increasing shortage of energy resources and concerns of environmental pollution, energy-efficient and sustainable pollution control is critical for the optimization of wastewater treatment plants (WWTPs). The main current challenges of WWTPs which drive innovation in the wastewater industry include nutrients and biosolids management as well as energy optimization. Co-digestion of organic-rich wastes with municipal sludge is a promising energy recovery technology to increase specific methane production per unit of influent solids significantly.

This Special Issue invites original research papers and critical reviews with an emphasis on the following topics: (i) advances in biological nutrient removal technology; (ii) modeling and optimization of BNR processes; (iii) co-digestion technology; and (iv) development of technology for energy-neutrality in WWTPs.





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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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