



Anaerobic Digestion Processes for Wastewater Treatment in Sustainability

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Message from the Guest Editors

This Special Issue comprises selected papers covering the main advances in anaerobic processes applied to treat urban WW, black water, OFMSW liquors, landfill leachates, etc. There will be a special focus on pilot and full-scale applications.

The application of aerobic and energy-intensive processes in WWTP should be avoided in the future to convert those facilities into new WRRF (water resource recovery facilities). Anaerobic processes with the production of biomethane and downstream nutrients recovery will play an important role in the future of urban water planning strategies.

The results of the anaerobic treatment itself in new configurations (novel UASB, EGSB, biofilm reactors, use of GAC, etc.) might be complemented with membrane performance in AnMBR, methane recovery from permeate, fouling monitoring and control, water reuse, fertirrigation, downstream nutrients harvesting, etc.

The papers might be complemented with simulations, mathematical modeling, microbiological assessment, LCA, LCC, etc.





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