

## Special Issue

# Advanced Technologies for Resource Recovery and Pollutants Removal from Wastewater and Sludge

### Message from the Guest Editors

Wastewater and sewage sludge are wasted resources. Technologies have been developed to recover methane and nutrients (protein, carbon, nitrogen, etc.) from wastewater and sewage sludge. However, at the same time, wastewater and sewage sludge constitute a sink for undesirable components from households, industry and diffuse sources, whose environmental relevance and impacts are somewhat poorly understood. We proposed this virtual Special Issue to systematically cover four major aspects: 1) Novel technologies for enhancing biogas production; 2) Phosphorus recovery from sewage sludge and wastewater; 3) Novel technologies for the valorization of wastewater and sewage sludge; 4) Advanced oxidation process for the removal of pollutants. We hope this Special Issue will offer insights into addressing these opportunities and barriers for nutrient recovery and pollutant removal from wastewater and sludge. We believe *Applied Sciences* is an ideal outlet for such a Special Issue, considering the current energy shortage worldwide.

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### Guest Editors

Prof. Dr. Keke Xiao

Prof. Dr. Rui Du

Prof. Dr. Faqian Sun

Prof. Dr. Yun Chen

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### Deadline for manuscript submissions

closed (31 December 2022)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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