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Energy Recovery Potential from Wastewater through Anaerobic Treatment

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Deadline for manuscript submissions:
30 November 2024

Message from the Guest Editors

Wastewater is no longer viewed as waste but rather as a source of valuable resources, including renewable energy and nutrients. Energy can be extracted from the organic matters in wastewater during anaerobic treatment to produce biogas, e.g., methane and hydrogen gases. Nutrients such as nitrogen and phosphorus in wastewater can also be recovered to produce fertilizers for sustainable agriculture production.

This Special Issue is focused on all the technologies that can be capable of resource recovery from any kind of wastewater sources. Special emphasis is devoted to the process control, optimatization, and development of novel anaerobic technologies for wastewater treatment and resource recovery from industry and municipal wastewater. We welcome contributions related, but not limited, to the following environmental research topics:

- Theories, models, and technologies for anaerobic wastewater treatment;
- Various high-value resources recovery from industrial and agricultural waste streams;
- Environmental materials for resources enrichment and recovery;
- Biogas production during anaerobic treatment process;

Dr. Yuepeng Sun
Dr. Nirakar Pradhan
Guest Editors

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Special Issue

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Dr. Badal C. Saha
Retired, National Center for Agricultural Utilization Research, USDA-ARS, Peoria, IL, USA

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

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