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Modelling, Optimization and Applications of Membrane Bioreactors for Resource Recovery

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to state-of-the-art research on the topics surrounding the modeling, optimization, industrial applications of different MBR-based systems for resource recovery. It covers but is not limited to all the aspects associated with design and application of MBRs, biological, filtration, and integrated modeling, energy modeling, control and mathematical multicriteria optimization tools and LCA/LCC evaluation.

Keywords

- MBR-based systems
- Resource recovery
- Filtration models
- Biological models
- Integrated models
- Soluble microbial products modeling
- Data-driven models
- Uncertainty
- Online control and optimization
- Multicriteria optimization
- Life cycle analysis
- Life cycle costing
- Environmental footprint













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Message from the Editor-in-Chief

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