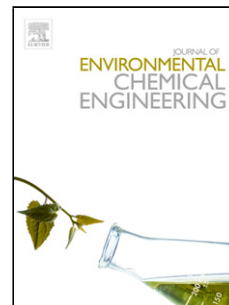


Accepted Manuscript

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PII: S2213-3437(17)30163-X
DOI: <http://dx.doi.org/doi:10.1016/j.jece.2017.04.027>
Reference: JECE 1576

To appear in:

Received date: 20-1-2017
Revised date: 12-3-2017
Accepted date: 14-4-2017

Please cite this article as: Abreham Tesfaye Besha, Abaynesh Yihdego Gebreyohannes, Ramato Ashu Tufa, Dawit Nega Bekele, Efrem Curcio, Lidietta Giorno, Removal of Emerging Micropollutants by Activated Sludge Process and Membrane Bioreactors and the Effects of Micropollutants on Membrane Fouling: A Review, Journal of Environmental Chemical Engineering <http://dx.doi.org/10.1016/j.jece.2017.04.027>

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Removal of Emerging Micropollutants by Activated Sludge Process and Membrane Bioreactors and the Effects of Micropollutants on Membrane Fouling: A Review

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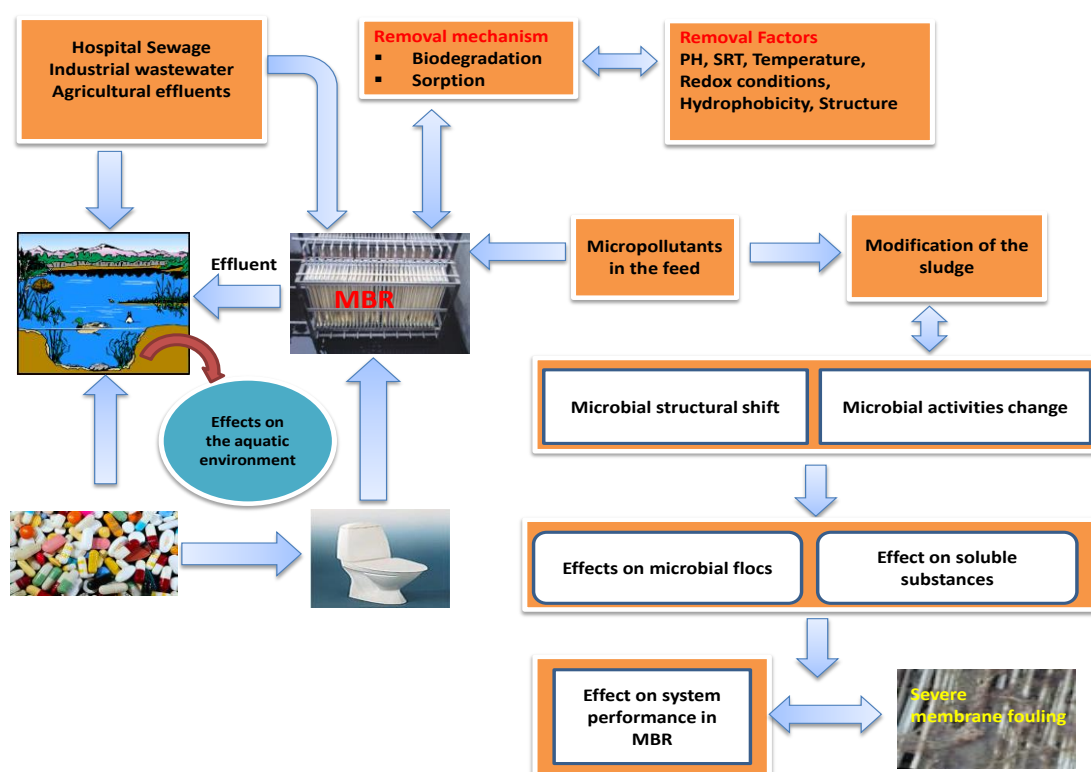
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Graphical Abstract



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Highlights

- The presence of micropollutants in the effluent is still a threat to aquatic life.
- Sorption followed by biodegradation is the major removal mechanism in MBR process
- K_d and K_{bio} values are not an absolute parameter for micropollutants biodegradation or sorption.
- The presences of micropollutants in the sludge affect microbial activities and fouling in MBR.
- Specific enzymes can play the leading role in persistent micropollutants degradation.

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