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# Membrane Fouling and Membrane Modification for Wastewater Treatment

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Deadline for manuscript submissions:
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## Message from the Guest Editor

Membrane separation have gained global interest as a promising technology for treatment of various water and wastewater. However, membrane fouling remains a major obstacle hindering the practical application of membrane separation technology. Although membrane fouling has been well reported, the underlying mechanisms remain incompletely understood. On the basis of existing studies, the factors effecting membrane fouling are mainly classified into three aspects as follows: 1) the characteristics of the membrane; 2) the properties of the filtering matrix, and; 3) the operational conditions of membrane processes. Among these factors, the anti-fouling ability of a membrane is directly dependent on the membrane properties including pore size, hydrophilicity, zeta potential, and surface roughness. Therefore, the development of membrane modification method is of great significance.

Topics of interest include but are not limited to the following:

- Recent advances in the membrane fouling control for wastewater treatment;
- New materials for membrane fabrication;
- New membrane modification method;
- New sights in membrane fouling mechanisms;
- Membrane cleaning.

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