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# Catalytic Processes in Wastewater Treatment: From Mechanisms to Application

Guest Editor:

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## **Message from the Guest Editor**

Catalytic processes play an extremely important role in wastewater treatment, especially for the pre-oxidation step and advanced purification step. One of the keys to the innovation of wastewater treatment technology lies in the breakthrough of the bottleneck of catalytic oxidation technology and the solution of engineering application problems. Papers in this special issue will present novel insights on the mechanisms and application of various catalytic water treatment technologies, such Fenton/Fenton-like technology, catalytic ozonation technology, photocatalytic technology, electrocatalytic technology, peroxymonosulfate/persulfate technology, and so on. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- 1) New discovery in catalytic water treatment processes;
- 2) New mechanisms of catalytic processes in wastewater treatment technology;
- 3) New materials for catalytic wastewater treatment with high efficiency and low consumption;
- 4) Application case analyses on catalytic wastewater treatment technology.









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