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Micro–Nano Bubble Technology and Its Applications

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Message from the Guest Editors

Micro–nano bubbles (particle size between "10~50 μm" and "≤200 nm") have been widely used in medical, cleaning, agricultural cultivation and other fields in recent years because of their smaller particle size, larger surface area, stable existence in water for a few hours to a few days, producing a large number of hydroxyl radicals after collapse and other characteristics. These advances in micro–nano bubble technology can provide theoretical support for the stable generation of micro–nano bubbles and the generation of more hydroxyl radicals, thereby improving the water treatment effect.

This Special Issue is looking for high-quality works. Topics include, but are not limited to, the following:

Optimization of traditional aeration technology and equipment;
Optimization of micro–nano bubble formation process;
The growth and stability mechanism of micro–nano bubbles in water;
Degradation of contaminants or biofilm control in water purification systems or other systems;
The application of micro–nano bubble technology;
Similarities and differences between traditional aeration technology and micro–nano bubble technology.

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Message from the Editor-in-Chief

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