Special Issue

Quorum Sensing in Biological Wastewater Treatment Process

Message from the Guest Editors

Studies reveal that quorum sensing is closely related to biofilm formation, sludge granulation, and pollutant removal. However, the critical roles of bacterial quorum sensing in sludge community reconstruction, emerging contaminants removal, and carbon resource capture via the adsorption biodegradation process are only beginning to unravel. Contributors are welcomed to submit reviews and original research articles, including but not limited to the following topics:

- Quorum sensing bacterial and signals identification;
- Quorum sensing and quenching in activated sludge community construction, including biofilm formation and sludge granulation;
- The role of QS in biological emerging pollutes removal and activated sludge carbon capture;
- Quorum sensing and quenching in sludge bulking;
- Quorum sensing signal-response in pollutants removal and resources recovery by microalgae;
- Cell-to-cell communication across the prokaryote–eukaryote boundary.

Guest Editors

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Deadline for manuscript submissions

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