

## 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 pollutants 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

Dr. Jinfeng Wang

School of Environment, Nanjing University, Nanjing 210023, China

Dr. Liang Fu

School of Environment, Northeast Normal University, Changchun 130117, China

### Deadline for manuscript submissions

closed (31 March 2024)



## Processes

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/148749](https://mdpi.com/si/148749)

*Processes*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/journal/  
processes](https://mdpi.com/journal/processes)



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto  
Department of Drug Science and Technology, University of Turin, Via P.  
Giuria 9, 10125 Turin, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q2 (Chemical Engineering (miscellaneous))