

Special Issue

Microbiome Responses to Perturbations: Understanding, Prediction, and Engineering

Message from the Guest Editors

This special issue on "Microbiome Responses to Perturbations: Understanding, Prediction, and Engineering" invites experts in the related fields to contribute original research articles, as well as reviews, to address current challenges and issues in further advancing our understanding to better predict the effect of perturbations on the dynamics and function of microbial communities towards system-level engineering. Topics include, but are not limited to:

- Experimental studies on a microbial community's response to perturbations
- Computational, modeling, or data integration methods for predicting microbial interactions and community dynamics
- Theoretical studies for revealing the design principles of microbial communities
- Data-driven modeling for discovering perturbation-specific molecular signatures in microbial communities
- Synthesis of functional consortia for controllable community function
- Rational approaches to microbiome engineering

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Deadline for manuscript submissions

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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.

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