Special Issue

Genomic Research and Applications of Insect Gut Microbes

Message from the Guest Editor

Plastics have highly versatile physical and chemical properties, allowing for the production of a broad range of affordable products for a variety of purposes. The purpose of this Special Issue is to bring to the scientific community studies on the biodegradation of plastics by microbes found in the gut of insects. As , I encourage the scientific community to send contributions (original research articles, review articles, and short communications) in areas including, but not limited to, the following:

- Identification of gut microbiota from plastic-degrading insects;
- Isolation and characterization of microbes from the gut of plastic degrading insects;
- Genomic studies of plastic-degrading microorganisms isolated from insect guts;
- Genetic manipulation of plastic-degrading microbes from insect guts;
- Use of microbes (and or enzymes isolated from them) derived from microbes' guts for the degradation of plastics;
- Genes and enzymes isolated from insect gut microbes involved in plastic degradation.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2024)

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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