

Special Issue

Lignocellulose Degradation by Gut Microbiomes, from Mammals to Insects

Message from the Guest Editor

This Special Issue on “Lignocellulose Degradation by Gut Microbiomes: From Mammals to Insects” aims to collect the most recent findings in the field. Studies should be focused on (but are not restricted to) microbial community assembly; metagenomic, metatranscriptomic and metaproteomics profiles; microbial physiology in incubated samples; and enzymatic assays, in gut microbiomes involved in lignocellulose degradation. This Special Issue also targets: 1) works related to lignocellulose degradation in other types of host–microbiome interactions (e.g., leaf-cutter ants in fungus gardens); and 2) works using gut microbiomes with commercial cellulose, hemicellulose, or lignin as a substrate. Digestibility trials assessing the capacity to ferment plant biomass may be considered, except when exclusively focusing on the health of the host.

Guest Editor

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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.

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