

# Special Issue

## Genomics and Biotechnological Applications of Yeast

### Message from the Guest Editor

Yeast, such as *Saccharomyces cerevisiae* and *Schizosaccharomyces pombe*, are microorganisms that have shared a long history with humans since ancient times. In recent years, yeasts other than *S. cerevisiae* and *Sz. pombe*, called non-conventional yeasts, have also attracted attention. These yeasts have been extensively studied in whole-genome analysis, the functional analysis of yeast genes using genetic recombination, and genome editing to elucidate life phenomena, and in the use of yeast in biotechnology to achieve SDGs. This Special Issue will consist of a selection of papers presenting original research and reviews on yeast whole-genome analysis, gene functional analysis, yeast adaptation to stress, and the use of yeast to achieve SDGs. Papers selected for this Special Issue will undergo a rigorous peer-review process with the aim of ensuring a rapid and widespread dissemination of research results, developments, and applications.

### Guest Editor

Dr. Masaharu Tsuji

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### Deadline for manuscript submissions

closed (15 July 2025)



**Microorganisms**

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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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### 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).