Special Issue

New Insight into the Genetic and Molecular Aspects of Yeast Nutrient Metabolism

Message from the Guest Editors

Yeasts, particularly Saccharomyces cerevisiae, have long served as powerful model organisms in molecular and cellular biology research due to their genetic tractability and conserved biochemical and metabolic pathways. Recent advances in genomics, transcriptomics, and metabolomics have provided new insights into the complex regulatory networks underlying yeast nutrient metabolism.

Understanding the genetic control of sugar transport, catabolite repression, and metabolic flux —particularly under conditions of different nutrient availability or stress—also contribute to broader insights into cellular energy balance and resource allocation. This Special Issue will present current research on the genetic and molecular bases of nutrient metabolism in yeast to advance our understanding of cellular homeostasis, the nutrient regulation, and metabolic flexibility of the cells.

We welcome original research articles and reviews that address any aspect of yeast nutrient metabolism, including but not limited to genetic regulation, signaling pathways, metabolic adaptation, and systems biology approaches.

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Deadline for manuscript submissions

20 January 2026

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Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/248289

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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