

Special Issue

Research on Yeast: Diversity, Biotechnology Potential, and Industrial Applications

Message from the Guest Editor

Yeasts are metabolically versatile microorganisms that are of great relevance for industrial biotechnology and, beyond their traditional roles in food and beverage fermentation, both conventional and non-conventional yeasts are increasingly recognized as efficient microbial cell factories for the production of high-value compounds such as lipids, carotenoids, enzymes, organic acids, and bioethanol. This Special Issue aims to highlight recent advances in yeast biodiversity, functional properties, metabolic engineering, and bioprocess optimization, and topics of interest include the discovery of novel yeast species, the probiotic potential of yeasts, their interactions in co-cultivation systems, their applications in food and health sectors, and the sustainable biotechnological use of industrial residues. Both original research and review articles are welcome.

Keywords: yeast biodiversity; non-conventional yeasts; fermentation; functional metabolites; food biotechnology; microbial waste valorization; bioprocess optimization

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Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Dr. Badal C. Saha
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