

Special Issue

Yeasts Genetics and Biotechnology

Message from the Guest Editors

The yeast *Saccharomyces cerevisiae*, along with being a crucial industrial microorganism, represents a model organism for the investigation of the majority of biological processes in eukaryotes. Due to the efficient homologous recombination between transforming DNA and its genome, it is easy to precisely genetically modify this yeast, allowing for the construction of both biotechnologically relevant strains and strains for application in scientific research. On the other hand, there is a huge number of uncharacterized or poorly characterized non-conventional yeasts, many of which are known to have certain advantages over conventional yeasts. However, for a great majority of these non-conventional yeasts, the construction of the desired strains is not yet a routine procedure because the molecular tools needed for the precise modification of their genome have not yet been developed. Therefore, this Special Issue focuses on research into the genetics and biotechnology of conventional and non-conventional yeast, as well as the development of molecular tools for the targeted modification of yeast genomes and the construction of potentially biotechnologically relevant yeast strains.

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Editor-in-Chief

Prof. Dr. David S. Perlin

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