Tentative Outline

Special Thematic Issue for the journal *Current Genomics*

Yeast and yeast products - new perspectives for applications in biotechnology
Guest Editor: Prof. Marek Kieliszek

• **Scope of the Thematic Issue:**

The development of multicellular organisms, one of the most important events in the history of the Earth, could have happened very quickly. In the laboratory, single-celled yeast grows very quickly to evolve into large-celled structures that behave as a single organism. The use of yeast and their products in biotechnology is increasing. However, these are not the only areas of life and ways to use all the properties of yeast. These are only the most noticed and popular methods of using yeast. In the past, they were mainly used in the baking and distilling industries. Currently, they play an increasingly important role in medicine and cosmetics. They are gaining more and more popularity and interest. Therefore, the proposed topic is very important. We invite authors to submit manuscripts presenting the latest achievements of yeast cells in microbiology, genetics, molecular biology and the food industry. The purpose of this special issue is to present the latest achievements in the field of yeast biotechnology and the use of yeast products in various industries. Therefore, expanding knowledge on this subject is important for the further development of modern biotechnology.

Keywords: Microbiology, Biotechnology, Yeast, Molecular Genetics

Sub-topics:

➢ Yeast cell genetics
➢ Metabolites produced by yeast cells
➢ Yeast as a model organism in molecular biology
➢ Yeast cell wall components
➢ The influence of yeast genetic engineering and modern diseases

Schedule:

✧ Thematic issue submission deadline:
01.03.2023 – 31.12.2023

Contacts:

Guest Editor Name: Prof. Marek Kieliszek
Affiliation: Department of Food Biotechnology and Microbiology, Institute of Food Sciences, Warsaw University of Life Sciences—SGGW, Nowoursynowska 159 C, 02-776 Warsaw, Poland
Email: marek_kieliszek@sggw.edu.pl