Special Issue

Yeast Killer Toxin

Message from the Guest Editor

Yeasts can exhibit a killer phenotype by producing and secreting proteins with a lethal effect on sensitive strains, called killer toxins. To date, about 100 killer yeast species from diverse phylogenetic origins have been described, and several killer toxins have been investigated for their antimicrobial power, in particular against pathogenic microorganisms. Over the last decades, killer toxins and killer yeasts have been well characterized and have found interesting and advantageous applications in the food and feed industries, as well as in the biological control of plant pathogens and as insect vectors of human diseases. Killer yeasts can combat contaminating microorganisms in the production of wine, beer, and bread, or act as bio-control agents in the preservation of foods. Moreover, killer toxins and their derived-peptides are involved in the development of novel drugs for the treatment of human and plant–fungal infections. Advanced studies on the deep characterization of killer toxins and biotechnology applications of killer yeasts and killer toxins will be the focus of the Special Issue titled Yeast Killer Toxin.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Editor-in-Chief

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