Special Issue

Microbial Biotechnology: The Biodiversity, Properties and Benefits of Microorganisms in Medical, Clinical, Food and Environmental Fields

Message from the Guest Editors

Microorganisms encompass a wide range of bacteria, microalgae, archaea, protists, fungi and viruses. Advances in microbial biotechnology have promoted the application of microorganisms within almost unlimited areas. Microbial biotechnology will contribute to advancements such as new microorganisms, functional foods/beverages and supplements with probiotic and psychobiotic potential; microorganisms with antimicrobial activities against pathogens; enhanced microbial agents for the biocontrol of plant and animal pests; new fermentation microorganisms; new microorganisms for bioremediation; and superpotent microbial strains modified by genome studies. In addition to the applications of microbial strains and their metabolites in medicine, the versatility of microorganisms has enhanced the study and application of them in biotechnology, such as the food industry and environment field. Therefore, this Special Issue aims to present research regarding the biodiversity, properties and benefits of microorganisms in the medical, clinical, food and environmental fields.

Guest Editors

Dr. Karina Teixeira Magalhães-Guedes
Department of Bromatological Analysis, Pharmacy Faculty, Federal University of Bahia, Salvador, Brazil

Dr. Marcelo Andrés Umsza-Guez
Food Science Postgraduate Program, Faculty of Pharmacy, Federal University of Bahia, Salvador 40170-100, BA, Brazil

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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