



Microbial Biodegradation and Biotransformation

Guest Editors:

Prof. Dr. Irina Ivshina

Institute of Ecology and Genetics
of Microorganisms UB RAS –
Perm Federal Research Center
UB RAS, Perm, Russia

ivshina@iegm.ru

Dr. Elena A. Tyumina

Institute of Ecology and Genetics
of Microorganisms, Ural Branch
of the Russian Academy of
Sciences, Perm, Russia

elenatyumina@mail.ru

Deadline for manuscript
submissions:

31 July 2022

Message from the Guest Editors

A sharp decline in the quality of the environment makes it extremely urgent to search for ways to prevent and neutralize anthropogenic pollution of natural ecosystems. Freeing the biosphere from eco-pollutants will, as an unsolved problem, be in the spotlight for a long time. Xenobiotics are a “time bomb”. In this regard, the efforts of most researchers have been recently concentrated mainly in the field of applied microbiology, which supports the search for rational ways of biodegradation and for effective biodegraders of new xenobiotic compounds continuously entering the environment. Their harmful effects are enhanced due to the simultaneous presence of many other active xenobiotics in the system with varying degrees of degradability and toxicity.

All this makes it necessary to expand and intensify studies of the characteristics of microorganisms in contaminated environments, so-called extremotolerant microorganisms or stress-tolerants, which play the role of a primary response system to unfavorable or potentially dangerous environmental changes and initiate their adaptive responses at the earliest stages. We look forward to your input.





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Editor-in-Chief

Prof. Dr. Martin Von Bergen

Department of Molecular
Systems Biology, Helmholtz
Centre for Environmental
Research—UFZ, Permoserstr. 15,
04318 Leipzig, Germany

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.

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Contact Us

Microorganisms
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
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