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Advances in Microbial Cell Factories, 2nd Edition

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Message from the Guest Editors

In the "cell factory" concept, microorganisms convert substrates into desirable products. Well-established fermentation products include beer, antibiotics and insulin. Recent developments enabled by native and engineered microbial cell factories include oleochemicals, biopolymers, biofuels, animal feed, biopesticides, nutraceuticals and flavors. Currently, the availability of standardized and newly developed cloning and expression vectors, the accessibility and affordability of de novo DNA synthesis, the advancement in bioinformatics tools and the expansion of biological databases have allowed cells to become more programmable.

This Special Issue of *Microorganisms* provides a platform for authors to present novel tools and scientific concepts on Microbial Cell Factories through research articles, reviews and editorials. We invite you to send contributions relating to the development of microbial production platforms—of eukaryotic and prokaryotic origin.

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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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