## Special Issue

## **Microbial Biocatalysis**

### Message from the Guest Editors

Whole-cell biocatalysts offer some unique advantages of cascade reactions catalyzed by multienzymes as well as a single bioredox reaction with cofactor regeneration in a single strain. Therefore, whole-cell biocatalysts are widely applied for biosynthesis/biotransformation to produce value-added chemicals as well as the complete mineralization of organic pollutants.

In addition to the traditional screening of microbial strains and immobilized whole-cell biocatalysts, modern genetic engineering, metabolic engineering, and synthetic biology make tailored whole-cell biocatalysts possible. At the same time, some integrated processes have successfully been applied in the catalytic processing using living whole-cell biocatalyst, such as harnessing biocompatible chemistry to interface with the microbial metabolism as well as using various separation techniques for in situ product removal.

The purpose of this Special Issue is to collect original research papers and reviews, focusing on progress using living whole-cell biocatalysts in biosynthesis, biotransformation, and biodegradation. Scan the QR code for more information.

### **Guest Editors**

Dr. Zhilong Wang

State Key Laboratory of Microbial Metabolism, School of Pharmacy, Shanghai Jiao Tong University, Shanghai 200240, China

Dr. Tao Pan

Jiangxi Province Key Laboratory of Mining and Metallurgy Environmental Pollution Control, School of Resource and Environmental Engineering, Jiangxi University of Science and Technology, Ganzhou 341000, China

### Deadline for manuscript submissions

closed (31 December 2022)



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

mdpi.com/journal/ catalysts





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Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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