



Microorganisms around Coal Mines and Their Application

Guest Editor:

Dr. Huan He

School of Chemical Engineering
and Technology, China University
of Mining and Technology,
Xuzhou 221116, China

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Message from the Guest Editor

Dear Colleagues,

Coal mine provide essential fuel and resource for industrial development in human history. However, coal mining and utilization also cause a serial environmental problem. To cope with the climate change and mitigation, coal's clean utilization and related pollution treatment attract more attention around the world. Coal mines offer habits for a large diversity of microorganism. These microbes play an essential role in many geochemical cycles around coal mine, such as sulfur and carbon cycle, organic matter decomposing, mineral weathering, and so on. The biochemical reaction process of these microorganisms provides some potential application around coal mine including harmful elements removed, high-value added products recovery, biogenic coal bed methane etc. This special issue will provide a platform to display the latest results, progress, and summary of the microorganism around coal mines and their application research in coal clean utilization, ecological remediation and so on.





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Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 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 Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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