Special Issue

Microorganisms Around Coal Mines and Their Application, 2nd Edition

Message from the Guest Editor

Coal mines have provided essential fuel and resources for industrial development throughout human history. However, coal mining and utilization also cause serious environmental problems. To cope with climate change and mitigation, coal's clean utilization and related pollution treatment are attracting more attention around the world. Coal mines offer environments with a large diversity of microorganisms. These microbes play an essential role in many geochemical cycles associated with coal mines, such as sulfur and carbon cycles, organic matter decomposition, mineral weathering, and so on. The biochemical reaction process of these microorganisms provides some potential applications associated with coal mines, including the removal of harmful elements, high value-added product recovery, biogenic coal bed methane, etc. This Special Issue will provide a platform to display the latest results, progress, and summary of the microorganisms associated with coal mines and the application of research into coal clean utilization, ecological remediation, and so on.

Guest Editor

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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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