Special Issue

Pathogenic Microbes in the Environment and Infectious Disease Control

Message from the Guest Editor

The presence of pathogenic microbes in the environment is of significant concern for public health. The environment harbors various pathogenic microbes with unique characteristics and disease-causing potentials. Common examples include *E. coli* and *Cryptosporidium* in water sources, *Salmonella* in food products, and influenza viruses in the air. Environmental factors such as temperature, humidity, and organic matter can influence the survival and proliferation of pathogenic microbes. These factors can also affect the transmission dynamics of infectious diseases. This Special Issue will delve into the intricate relationship between pathogenic microbes in the environment and strategies for controlling the infectious diseases that they cause. Possible topics include, but are not limited to, the following:

- How various environmental reservoirs, such as the soil, water, and air, serve as natural habitats for pathogenic microbes.
- The epidemiology of infectious diseases, focusing on the transmission dynamics of pathogenic microbes.
- The effective control of infectious diseases, involving a combination of strategies.

Guest Editor

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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