## Special Issue

## The Role of Microbiology on Health and Disease

## Message from the Guest Editors

Microbes and humans co-exist and co-evolve on our planet. Microbes (fungi, bacteria, and viruses) play important roles in human health and disease. The interactions between microbes and humans are complicated. The underlying mechanisms by which microbes benefit or threaten public health remain to be fully explored. Particularly, with global climate warming and human activities increasing worldwide, how the microbes adapt to these ongoing changes and affect public health is an urgent research priority. This Special Issue is focused on the role of microbes on human health and disease from basic and practical perspectives. It has a broad scope including, but not limited to, the following areas: identification, characterization, and detection of microbes or their compounds of interest; new approaches for treating harmful microbes (e.g., harmful algae) and pathogens as well as their toxins; human-microbe interaction; microbial effect on human health and disease; adaption of microbes (e.g., harmful algae and pathogens) to climate change and increasing human activity; models, etc.. Original research articles, reviews, and short communications are welcome.

### **Guest Editors**

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## Deadline for manuscript submissions

closed (20 April 2025)



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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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