



Microbiome and One Health

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Message from the Guest Editors

The microbiome is known to play a pivotal role in regulating the behavior and health of its host. In recent years, there has been a marked increase in studies of the human microbiome. However, *Homo sapiens* are just one relatively new species among millions of other species to this planet. Other species have shown the ability to adapt, evolve, and survive successfully over millions of years, suggesting that we ought to learn from these species. Even with exposure to stressful environments and carcinogenic materials, several species such as cockroaches and crocodiles thrive under conditions that are considered detrimental to *Homo sapiens*. In addition to their immune system, their defense may also be attributed to their microbiome. Given the increasing importance of the microbiome in One Health, it is timely and topical to have a focused Special Issue in this important emergent area to highlight and/or solve age-old problems. This Microbiome and One Health Special Issue will utilize “One Health approaches” to tackle public health challenges of human importance at the human–animal–environmental interface.





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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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