

Special Issue

Ticks, Pathogens, and Microbes: Unraveling Nature's Tiny Mysteries

Message from the Guest Editors

Ticks are enigmatic arachnids that play a crucial role in the transmission of various pathogens to humans, animals, and even other ticks. Within the pages of this Special Issue, we bring together cutting-edge research from experts in tick biology, tick cell lines, ecology, and microbiology. Our contributors explore the multifaceted interactions between ticks, pathogens, and microbes, shedding light on the mechanisms underlying pathogen transmission, tick-borne diseases, and the establishment of tick cell lines for research purposes. The Special Issue opens with an overview of tick biology, providing a foundation for understanding these remarkable arachnids' life cycles, feeding habits, and ecological significance. Through detailed studies, we uncover the intricate strategies employed by ticks and microbes in their ongoing battle for survival. A significant proportion of the Special Issue is dedicated to the establishment and standardization of tick cell lines, a critical resource for studying tick-borne diseases and unraveling the intricacies of tick-microbe interactions.

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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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