

Special Issue

Exploring Chemical Language between Vector, Parasite, and Host

Message from the Guest Editor

This Special Issue will explore the intriguing world of chemical communication that takes place between disease vectors (such as mosquitoes), parasites (like those causing malaria), and their hosts (humans or animals). We aim to deepen our understanding of the subtle chemical signals that influence key behaviors, such as host-seeking, by vectors and manipulation by parasites to ensure survival. Unraveling this "chemical code" could lead to breakthroughs in disrupting disease transmission and developing novel treatments and preventive strategies. We are particularly interested in following topics:

- Chemical signaling in vector–host interactions;
- Parasite manipulation of host behavior and physiology;
- Vector olfaction and sensory perception;
- Immune response modulation by parasites;
- Novel methods for disrupting vector-borne disease transmission;
- Host-seeking behavior in mosquitoes and other vectors;
- Environmental and ecological factors influencing chemical communication.

If your research touches on any of these topics or related areas, I encourage you to submit your article for consideration.

Guest Editor

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Message from the Editor-in-Chief

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is
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submission; acceptance to publication is undertaken in 2.4
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