



**Journal:** *Tropical Medicine and Infectious Disease*

**IF:** 3.711

**Special Issue:** Aspects of the ecology and biology of malaria vectors with implications for disease prevention and control

**Deadline:** 30 November 2023

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**Summary**

Dear Colleagues,

Malaria continues to be an important world public health problem mostly in tropical and subtropical regions where climate conditions are appropriate for the development of the malaria parasite and its mosquito vector. To combat malaria, vector control is one of the main strategies to reduce disease transmission, but this effort is threatened by factors such as increasing vector insecticide resistance. Therefore, there is a need for studies to expand knowledge about the vectors, with the aim of implementing novel and effective methods to improve vector control interventions and reduce malaria incidence.



This special issue is aimed at the scientific community interested in malaria vectors with the purpose of bringing together knowledge from a range of vector-related areas to enhance the search for effective vector control interventions.

The scope of the special issue includes, but is not limited to aspects of systematics and taxonomy, phylogenetics, biogeography, vector behaviour and ecology, host-parasite relationships, molecular biology, immunity, the mosquito microbiota, developing resources and technology in vector genomics, interventions and control.

Prof. Margarita María Correa

*Guest Editor*

### **Keywords**

- Systematics
- Phylogenetics
- Biogeography
- Vector behavior
- Vector ecology
- Vector-parasite relationships
- Molecular biology
- Immunity
- Mosquito microbiota
- Genomics
- Interventions and control