

Special Issue

Insecticides and Antimalarial Resistance Markers: Current Status and Future Prospects

Message from the Guest Editors

Malaria is one of the major diseases affecting millions around the world. Malaria control relies on a two-pronged approach—the vector control and the treatment of infections with antimalarial medicines that kill *Plasmodium* parasites. Unfortunately, escalated and multiple insecticide resistance in the malaria vectors and antimalarial resistance in *Plasmodium* is threatening to derail malaria control, with progress stalling in the last few years. This Special Issue will showcase research efforts on the detection and validation of the known, as well as novel, insecticides and/or antimalarial resistance markers. Suitable manuscripts will preferably cover distribution, insecticide resistance profiles and their molecular mechanisms/markers in the major malaria vectors from different regions of the world; distribution, antimalarial resistance profiles and their molecular markers in *Plasmodia* parasites from different regions of the world; genetic diversity and genotypes of *Plasmodia* linked with treatment failures, structural variations, such as HRP-2 deletion, and spread of the markers; as well as the operational impact of resistance markers on malaria control.

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