

Special Issue on Natural Products as Sources of Antimalarial Drugs

CALL FOR PAPERS

Despite the advances in malarial chemotherapy, malaria remains a devastating disease in several parts of the world, particularly in sub-Saharan Africa. There is currently a great concern that the *Plasmodium* species will soon develop total resistance to existing antimalarial drugs due to recent reports of increasing resistance of the parasite to drugs, including the newly introduced artemisinin-based compounds, in many endemic areas. In addition, the mosquito vector has also developed resistance against the insecticides. Also, the high cost, along with the adverse effects associated with some of the existing drugs, limits their usefulness in malarial treatment. Given the above, there is currently an urgent need to search for novel and more efficacious drugs to combat the disease.

Natural products, including medicinal plants, have been used in the traditional treatment of malaria for thousands of years due to their efficacy, safety, lower cost, and availability. In fact, medicinal plants are the source of the two most successful antimalarial drugs, artemisinin and quinine. Studies into the antimalarial activity of natural products (extracts and compounds) derived from medicinal plants, animals, or micro-organisms therefore become quite expedient.

The aim of this special issue is to present important studies, both original research and review articles, on the investigation of the antimalarial potentials of natural product derived extracts or compounds. Articles on the use of herbs in combination with drugs for the treatment of malaria are also welcomed.

We invite investigators to submit original research articles and reviews to this special issue.

Potential topics include but are not limited to the following:

- ▶ Antiplasmodial activity studies (*in vitro* or *in vivo*) of the extracts or compounds from plants, animals, or micro-organisms
- ▶ The isolation of antimalarial principles of natural products
- ▶ The mode of action of compounds or extracts having antiplasmodial activity
- ▶ Adverse effect of antimalarial natural products
- ▶ The *in silico* design of natural compounds with antiplasmodial activity
- ▶ Novel formulations for delivery of antimalarial extracts or compounds from natural sources

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/ecam/npsad/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Philip F. Uzor, University of Nigeria,
Nsukka, Nigeria
philip.uzor@unn.edu.ng

Guest Editors

Vivitri D. Prasasty, Atma Jaya University
(UAJ), Jakarta, Indonesia
vivitri.dewi@atmajaya.ac.id

Chukwuma O. Agubata, University of
Nigeria, Nsukka, Nigeria
chukwuma.agubata@unn.edu.ng

Submission Deadline

Friday, 28 June 2019

Publication Date

November 2019