Reviewer's report

Title: In vivo antimalarial activity of the crude leaf extract and solvent fractions of Croton macrostachyus (Euphorbiaceae) against Plasmodium berghei in mice

Version: 2 Date: 23 December 2013

Reviewer: Denis ZOFOU

Reviewer's report:

The research submitted by Bantie et al investigates the in vivo antimalarial activity of the 80% methanol crude leaf extract and solvent fractions of Croton macrostachyus against P. berghei in mice. From this research, the authors concluded that the plant was having a promising antiplasmodial activity and could be exploited as source of new malarial drugs. This piece of work falls in a research area of great interest giving the increasing challenges still faced by malarriologists and health practitioners, especially with the phenomenon of drug resistance today.

However, despite the fact that the background information was well described by the authors to fully justify the rational of the work and use of this plant species tested, some major issues need to be addressed before this paper can be considered for publication in BMC-alternative and Complementary Medicine.

• Major Compulsory Revisions

Tables and figures are missing in the version I received for review. Also, results on the phytochemical screening are missing. Without these it is difficult to really evaluate the work done.

The revised manuscript should be thoroughly proofread by a native /well skilled English language user, in order to eliminate style and typographic errors.

The authors should strictly adhere to BMC guidelines.

• Minor Essential Revisions

Results could be reorganized following the sequence: Toxicity – Activity of crude extracts – Activity of solvent fractions – Phytochemistry – Discussion

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests