Reviewer's report

Title: High mosquito burden and malaria transmission in a district of the city of Douala (Cameroon)

Version: 1 Date: 13 July 2012

Reviewer: Yadouleton Anges

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Title:
High mosquito burden and malaria transmission in a district of the city of Douala (Cameroon)
Version: 1 Date: 11 July 2012
Reviewer number: 1
The increase level of urban malaria due to the presence of Anopheles gambiae resistance to pyrethroids could jeopardize vector control initiatives and needs further assessment in Cameroon. This main information has been showed by the authors throughout this paper.
I-Major revision required:
1-Because of the importance of this paper, I suggest the author to re-write the discussion section for better understanding
2- Insecticide resistance in Anopheles gambiae population is not well documented in the discussion section. In fact, the emergence of pyrethroid resistance in Anopheles gambiae has become a serious concern to the future success of malaria control. This has been shown by many African scientists. Please go to Pubmed
II-Minor essential revisions
Introduction
1-The second sentence: According to recent reports........such as malaria [1] [2]. I suggest to the author to start this sentence by: Recent reports showed that.....
diseases such as malaria [1] [2]

2-In the sentence “Although unplanned urbanization characterized by poor housing……
is still not well documented” please, add in Cameroon, because in country like Kenya, South Africa, much data exist on this aspect of malaria transmission in urban areas.

3- The city of Douala the largest in the country, is one of …..high mosquito burden by the population, please add a reference

4- From indoors residual spraying in the 1950s ….. the use of ITNs, please define firstly

ITNs

5- A recent study conducted in the city of Douala, …..mosquito breeding habitats,
replace habitats by sites

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2- Methods

1-Study sites

Is it possible to get the map of your study sites? This will be very useful to localize the areas where the collections have done.

2-Field processing of mosquitoes

1-Each anopheline specimen was ........... in Yaoundé. Is it in Yaoudé or in Doula? See the last sentence of your introduction and the key words.

3- Results

Field sampling section

1-The study was conducted ……. light trap catches. Please, delete this sentence and start from “ A total…….

2-The average number …..collected by HLC……54.2 mosquitoes/person/night. Please,
you must not calculate the average like that. You must take account the season, so the rainfall.

See the paper Yadouleton et al. (2010b): The impact of the expansion of urban vegetable farming on malaria transmission in major cities of Benin Parasites &
vectors. (3) p. 118

4- discussion.
Many good ideas, but not well structured, please, rewrite this section.

5- Conclusion.
Base on the title and the aims of your work, the last sentence doesn’t bring any information, please.

6- References.
The name of the journal must be uniform everywhere. Maybe you write the full name of the journal or you contract. See reference 19 and 20

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**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.