

## **Reviewer's report**

**Title:** Antimicrobial, antimycobacterial and antibiofilm properties of *Couroupita guianensis* Aubl. fruit extract

**Version:** 1 **Date:** 31 August 2012

**Reviewer:** Naveed Khan

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Antimicrobial, antimycobacterial and antibiofilm properties of *Couroupita guianensis* Aubl. fruit extract

Poorly written. Should be rewritten by native English speaker. Uniform measures of units are not used.

- M&M's antimicrobial assay are unclear. The use of *Couroupita guianensis* extracts and the concentration tested to determine its antimicrobial activity is unclear. Figure state 5mg/ml of the extract was used which is very high and no therapeutic value but the volume of the extract used is not mentioned. Solvent control is missing and n value is missing.
- Use of CFU/mL in M&M's biofilm formation is inappropriate. Fig.1 (D) must show positive and negative controls. Stats should be performed and show the significance of your results. N value is missing, standard error/deviation should be explained properly and describe in detail calculation of % biofilm inhibitory concentration (BIC).
- Mycobacterium assay used 64µg/ml whereas for antimicrobial assay 5mg/ml is confusing !!!
- Figure legends are poorly explained. E.g., figure 3, which peak is of indirubin and which one is for *Couroupita guianensis*. Axis and titles should be explained.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Not suitable for publication unless extensively edited

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

none