Reviewer's report

**Title:** Anti-inflammatory, antioxidant, and antimicrobial activities of Cocos nucifera var. typica

**Version:** 1  **Date:** 6 December 2012

**Reviewer:** Werner Cordier

**Reviewer's report:**

**Major Compulsory Revisions**

1. Background: the background feels disjointed between the antimicrobial and anti-inflammatory sections. The background should be reviewed to make it flow more logically.
2. Discussion: the discussion should be more directed to the results obtained. Are there any comparisons that can be made to known phytochemical classes or potential bioactives present in the specific variety of C. nucifera?

**Minor Essential Revisions**

1. Abstract background: replace 'specie' with 'species'
2. Background: 'unknown origin' appears to be one font size smaller than the rest of the text.
3. Background: 'is widely used' should not be italicized
4. Cocos nucifera: after first mention of Cocos nucifera it should be abbreviated to C. nucifera - this should remain constant throughout the manuscript, which currently it is not.
5. In vitro: in vitro should be italicized throughout the manuscript
6. Results and discussion: 'good antioxidant effect' - include values obtained during the study referenced to give a better comparison
7. Results and discussion: 'Anyway, the antioxidante activity' should be rewritten as it comprises bad grammar and spelling.
8. Results and discussion: 'reactive oxygen species' should be replaced by 'ROS' as it has already been abbreviated earlier in the manuscript.
9. Vancomycin: two spellings of vancomycin are used throughout the manuscript - vancomycin and vancomicin. Please keep consistent.

**Discretionary Revisions**

1. Why was the standards used in the anti-inflammatory assay dissolved in PBS, but the extract in sterile water? Although this will most likely not have any effect, for consistency's sake it should be kept to one vehicle-type.
Level of interest: An article whose findings are important to those with closely related research interests

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