Reviewer’s report

Title: Evaluation of antimicrobial, antimutagenic and radical scavenger activities of polar extracts from (Tunisian) Acacia salicina leaves

Version: 2 Date: 14 October 2011

Reviewer: Hui Meng Er

Reviewer’s report:

Major Compulsory Revisions
Section 3.3 Third Paragraph Last Sentence
It is claimed that the extract components cannot block all sites of DNA from electrophilic attack. Please explain.

Section 3.3 Fourth Paragraph 4th Sentence
Please provide a plausible explanation for the toxic effects of the extracts against TA102 strain.

Section 3.3 Last Paragraph Last Sentence
Please elaborate on the statement that the complexes formed between the extracts and B(a)P prevent their penetration through bacterial cell wall. Please propose studies to substantiate this statement.

There should be a conclusion section to comment on the significance of the findings in this study, especially on the mutagenic activities of the extracts.

Minor Essential Revisions
Section 2.9 Sentences should not start with numbers (eg 100 uL).

Section 3.1 Please make reference to Table 2.

Section 3.2
Radical-Scavenging activity on ABTS
First paragraph Please provide diagram to show the biphasic reaction kinetics
Second paragraph Error in quoting table 6, should be Table 3.

Effects on superoxide anion generating system
Figure 1 should be referred to in text

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