Reviewer’s report

Title: Antimicrobial activity against oral pathogens and immunomodulatory effects and toxicity of geopropolis produced by the stingless bee Melipona fasciculata Smith

Version: 3 Date: 4 October 2011

Reviewer: MARCOS LUCIANO BRUSCHI

Reviewer’s report:

To authors:
This article reports on the activity of Brazilian geopropolis extracts on microorganism ATCC (oral pathogens) and biofilm viability. Minor essential revisions:

Page 7 (Methods) – Line 5: How were the propolis samples triturated? In a homogenizer? Explain better.
Page 7 (Methods) – Line 5 to 6: Were the samples filtered through filter paper to remove just the inorganic portion (soil)? There are so many substances that don’t dissolve in this solvent! Are these substances just from soil?
Page 7 (Methods) – Line 13 to 16: What is “Natrusol”? Is hydroxyethylcellulose? The correct is “Natrosol®”.
Page 10 (Methods) – Chemical- characterization section: This section needs more details. The quantification of total flavonoids and phenolics was performed with calibration graph. Just the calibration graph and R2 were showed. Please, describe the residue analysis and the adjust default analysis!

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests.