Author's response to reviews

Title: Liquid and vapour-phase antifungal activities of selected essential oils against Candida albicans: Microscopic observations and chemical characterization of Cymbopogon citratus

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Version: 4 Date: 3 November 2010

Author's response to reviews: see over
Dear Dr. Pafitis,

Please find herewith the response to reviewer’s comments (dated 30th October and November 2nd, 2010) on the above-referred manuscript. The changes made as per the comments have been highlight in green colour. The re-revised manuscript is being uploaded.

Kind regards
Amit Tyagi

Response to Reviewer's Comments

Reviewer's report
Title: Liquid and vapour-phase antifungal activities of selected essential oils against Candida albicans: Microscopic observations and chemical characterization
Version: 2
Date: 30 October 2010
Reviewer: Sydney Alves

Reviewer's report:
Previously we suggested Minor essential revisions.

Now we point:

Page 7: Determination of MIC and MFC
The first statement require correction; it would be: “Minimum fungicidal concentration (MFC) of essential oil was determined according .....(references)
Done

Page 8: “Candidastic and candidacidal concentrations” are not common expressions used in susceptibility tests; we suggest: “colorimetric method determination of inhibitory and fungicidal concentration of essential oils”
Done

Reference: MS: 9825583604339377 - Liquid and vapour-phase antifungal activities of selected essential oils against Candida albicans: Microscopic observations and chemical characterization
against Candida albicans: Microscopic observations and chemical characterization

Version: 2 Date: 2 November 2010
Reviewer: Salgueiro L

Reviewer’s report:
In my opinion the manuscript can be accepted. Nevertheless, I don’t understand how the authors can identify the compounds by comparison with literature data (ref 25)?

Thank you

Actually, for identification of every peak, to run the pure standards is not feasible because essential oil (natural substances) have much more number of compounds. So along with the pure standards, authors have to identify the compound through comparison of the relative retention time with those obtained from the NIST/NBS, Wiley libraries spectra and those reported by others (Bozin et al. 2008). Oke et al (2009) also reported that the identification of the components was based on the comparison of their mass spectra with those of Wiley 7 N (contains 392,086 compounds spectra), Nist 2002 (contains 174,948 compounds spectra) and flavor (contains 419 compounds spectra) libraries and as well as by comparison of their retention times. Such methodology has also been reported by several other authors (Guo et al. 2008, Maggi et al. 2009, Celiktas et al. 2009, Rout et al. 2007).
