Reviewer’s report

**Title:** Profiling of phenolic compounds and their antioxidant and anticancer activity in (Pandanus amaryllifolius Roxb) extract from different locations of Malaysia

**Version:** 3  **Date:** 26 July 2013

**Reviewer:** Feroz Khan

**Reviewer’s report:**

1- No Major Compulsory Revision require.

2- Minor Essential Revision required.

**Title:** ‘Profiling of phenolic compounds and their antioxidant and anticancer activity in Pandan (Pandanus amaryllifolius Roxb) extract from different locations of Malaysia’. Pandan missing.

Abstract- full form missing - TP, TF, DW

Abstract- Results section is too long. Highlight the important results only.

Typo errors- Authors should remove all typo grammatical errors e.g.- Abstract, methods section- ‘investigated.High-performance’, word space missing. Figure 2, 3 showed missing space.

Background-

Page 3, line 1 – avoid using ‘in/for’ in sentence. It should be ‘in’.

Page 4, line 1 - Avoid repetition – ‘It was found that flavonoids reduced blood-lipids and glucose, and enhanced human immunity [5]. It was found that flavonoids reduce blood lipid and glucose, and enhance human immunity [6].’

Page 4, line 11 - plant name should be in italics - Pandanus amaryllifolius Roxb. and Pandanus odoratissimus Linn

Repletion - Pandanaceae comprises approximately 600 species

Authors’ contributions-

It should be - Experimental work was done by A Ghasemzadeh… ‘done’ missing.

3- Discretionary revision-

Recommendation/Suggestions :

It would be nice to isolate the compounds, structure elucidation through NMR and check their biological activities (pure compound) e.g., anti-inflammatory, immunomodulatory, antimalarial, antioxidant and anticancer/cytotoxic, apart from plant extract activity in future. Also author may plan to include SAR/QSAR/Docking related bioinformatics studies to explore in silico based on
NMR structural data, the more active leads out of designed molecules virtually against known target proteins/receptors and suggest the drug like potential flavonoid or phenolics origin new molecules for further drug discovery programs.

Decision: Minor Essential Revision

**Level of interest:** An article of importance in its field

**Quality of written English:** Needs some language corrections before being published

**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