



SDI Review Form 1.6

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| Journal Name: | Advances in Research |
| Manuscript Number: | Ms_AIR_45132 |
| Title of the Manuscript: | Simple and rapid extraction method for determination of carotenoids in the edible parts of Vitis vinifera, Vaccinium sect. cyanococcus, Ipomoea batatas and Capsicum annum |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|-------------------------------------|---|--|
| Compulsory REVISION comments | <p>The authors used various type of solvents for extraction of carotenoids including polar solvent e.g. methanol and non-polar solvent e.g. hexane. Carotenoids are fat soluble compounds.</p> <p>1.Please give information about properties of carotenoids in introduction section, especially the solubility in different solvents.</p> <p>2.Please compare the 4 solvent systems used in this study (MeOH simple, MeOH –DCM, MeOH-DCM exhausted, hexane exhausted) in term of their polarity. Please give this information in discussion section. The ratio of MeOH-DCM may also affect the extraction of carotenoids.</p> <p>3.In conclusion section, the authors concluded that MeOH-DCM simple method is very easy and less time consuming for extraction and detection of carotenoids. Please check the information about this (giving the references to support your results) because the different polarity of solvent may affect the amount of extracted carotenoid.</p> <p>4.The authors also concluded that sweet potato may be a good source of vitamin A for people in developing countries. Please give information about the bioavailability of vitamin A</p> | <p>Dear Editor,</p> <p>Have a look at the complete manuscript. Several corrections made from Introduction to conclusion. Kindly see the highlighted text in this manuscript.</p> |
| Minor REVISION comments | | |
| Optional/General comments | | |

PART 2:

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | Not applicable |