

## **Author's Reply:**

### **Introduction**

□ I see that this paragraph has no importance in the introduction and in my opinion, it's better to remove it: The 2, 2-Diphenyl-1-Picrylhydrazyl (DPPH) free ..... indicates significant free radical scavenging activity of the compound or extract under investigation [19].

The paragraph has been completely erased from the manuscript as suggested by the reviewer

□ Added another sentence to the introduction to indicate the objective to your research. For example. The aim of this study is to evaluate phenolic compounds and flavonoids of these two plants and their antioxidant activities.

This suggestion has been effected in line 35: Based on the foregoing, the aim of this study was to determine the antioxidant activity, quantify total phenols and total flavonoids and characterize the secondary metabolites present in methanolic extracts of *Chamaecrista hildebrandtii* and *Clerodendrum rotundifolium* using liquid chromatography coupled to mass spectrometry

### **Material and methods**

□ The extraction isn't described clearly, add the method of extraction ( hydrodistillation, macerartion, ...), the quantity of plant taken, the methanol added and its concentration .

The extraction procedure has been provided in details as suggested by the reviewer from line 63: 1 kg of powdered plant samples of *C. hildebrandtii* and *C. rotundifolium* were separately weighed and extracted by maceration with analytical grade methanol (3 L) at room temperature. After 24 hours, the mixtures were filtered through Whatman filter papers and the marc re-extracted two more times using fresh methanol solvent. After the third extraction, similar filtrates were pooled and vacuum-dried using rotary evaporator at 40 °C. The concentrates were then transferred to pre-weighed sample bottles, kept in a dessicator and weight of the dry extract recorded and stored at 4°C until required for bioassay. The extract yield for *C. hildebrandtii* and *C. rotundifolium* were 7.8 % and 6.7 % respectively.

□ Correct in the table 2 phytochemicals by plant extracts.

Corrected as suggested by the reviewer

□ The structures of the identified compounds from *C. hildebrandtii* and the structures of the identified compounds from *C. rotundifolium* shown in Figure 3 and Figure 3. It's better to remove all these structure from your research they haven't no importance to place them here.

It is the opinion of the authors that the structures of the compounds should remain so as to enable readers to compare the exhibited antioxidant activity and the structures of the secondary metabolites. Just reading the names of the compounds from the table is not enough to easily categorize the class of compounds they are. Besides, the previous review proposed that the TIC be redone to include the serial numbers of the compounds as they appear in the tables and do away with the Molecular weights as previously presented.

## Discussion

Compare your results with others researches on these plant speci

More comparison with other research in the families/genus related to the plants under study have been provided and referenced

## Bibliography

1. Park EJ, Pezzutto JM. Botanicals in cancer chemoprotection. *Cancer Metastasis Rev.*, 21: 231– 255. **Added year to this reference**

The year of this publication has been added in line 281

