

Review Form 3

Journal Name:	European Journal of Medicinal Plants
Manuscript Number:	Ms_EJMP_128190
Title of the Manuscript:	Phytochemical characterization and evaluation of the antiradical potential of fruit extracts of <i>Tetrapleura tetraptera</i> (Schumach. & Thonn.)Taub., a medicinal plant used in the North of Côte d'Ivoire
Type of the Article	Original Research Article

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The idea of the research is summarized in the presence of local medicinal plants that can be used in medicine, treating diseases, and preventing injury because they contain many effective compounds. Various medicinal plants can be studied to treat microbial infections and cancer, especially those that have antioxidant importance	
Is the title of the article suitable? (If not please suggest an alternative title)	Determination of the active phytochemicals compounds and antioxidant activity of fruit extracts of <i>Tetrapleura tetraptera</i> (Schumach. and Thonn.)Taub.in the North of Côte d'Ivoire	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The aim of this study was to determine the phytochemical compounds and antioxidant activity of aqueous and hydroethanolic extracts of <i>Tetrapleura tetraptera</i> fruit extract in northern of Côte d'Ivoire. Results :The main phytochemical groups were alkaloids, total polyphenols, anthocyanins, leucoanthocyanins, saponins and tannins had been shown in fruit extract. Determination of the phenolic compounds in the extracts showed that the hydroethanol extract had the highest levels of total polyphenols (18.66 ± 0.01 mg EAG/g dry extract); total flavonoids (22.33 ± 0.00 mg EQ/g dry extract); total tannins (36633 ± 1.69 mg EAT/g dry extract). This extract also showed the best antioxidant activity with capacity of 1.38 ± 0.001 µmolTE/L compared with 1.19 ± 0.001 µmolTE/L for the aqueous extract as compared with trolox-----	
Is the manuscript scientifically, correct? Please write here.	The idea of the research has been previously discussed, and the research is acceptable from a scientific standpoint	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Scientific sources are written correctly, except for source No14 which the date of the research was too old	
Is the language/English quality of the article suitable for scholarly communications?	English quality of the article suitable for scholarly communications	
<u>Optional/General</u> comments	The researcher should investigate the plant more and use more references to present the results. The discussion is limited and insufficient to find the reasons for the plant's action as an antioxidant. I would also like to point out that a table that includes the results with Trolox was not found.	

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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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