

Review Form 1.7

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_98916
Title of the Manuscript:	EVALUATION OF NUTRITIVE AND ANTIOXIDANT PROPERTIES OF COCOA PLACENTA OBTAINED FROM THREE COCOA (THEOBROMA CACAO L) VARIETIES GROWN IN LÔDJIBOUA (CÔTE D'IVOIRE)
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:

(<https://www.journalajaar.com/index.php/AJAAR/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> Authors investigated nutritional composition and antioxidant properties of cocoa placenta and its potential use as a by-product. Hence, study is important in terms of sustainability. Title is too long, suggestion: Nutritive and Antioxidant Properties of Cocoa Placenta Obtained from Cocoa Varieties Grown in Ladjiboua (Cote D' Ivore) Abstract should be more informative stating why cocoa placenta can be a potential by-product. It has 179 words and the limit 300 words. We know forastero and criollo varieties. National variety should also be explained in the abstract. English Grammar of the abstract should be checked. For instance, below sentence is not understood. In order to contribute to their wider utilization and valorization, cocoa placenta (forastero, criollo and national) have focused our attention. For the decimals dot should be used not comma (proteins (7.50 - 11,40%), fibers (26.20 - 36,70%)). Writing of the units should be checked and these units should be informative in the abstract as they are the first mentions. Long wordings for abbreviations of DPPH and ABTS should be given in the abstract. Numbering of the parts is not appropriate, should be as the following. 1.INTRODUCTION 2.MATERIALS AND METHODS 2.1 Plant material collection and preparation . . . Authors should check the guidelines of the journal and some published papers. https://journalajaar.com/index.php/AJAAR/about/submissions#authorGuidelines Unnecessary subtitles should be removed, for example: 1- Material in page 3 should be removed. Also, results and discussion part should be given in two parts: first to focus on nutritive properties and second antioxidant properties. As mentioned in abstract, forastero and criollo varieties are known commonly, national variety should also be explained more in the manuscript to increase the understandability of the readers. Explanations of the results are not substantiated with references, I guess there are missing references in the results and discussion part. Some examples are given below. Page 7 National samples show darker, and less red colors (Table 1). These variation of colors could be explained by Maillard reaction during hot air drying as placenta obtained from national is rich in proteins and reducing sugars (Ref ???) These physico-chemical properties of cocoa placenta could be dependent on different parameters such as region of cocoa growth, drying process, fermentation types and duration. Page 8 Minerals play an essential role in animals and human health by improving their productivity. For instance, calcium and phosphorus are reported to participate in the formation, solidification and maintenance of animal and human skeleton and teeth. Mineral deficiencies can cause some 	

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	<p>disorders in animals and human, which can result to death. (References ???)</p> <ol style="list-style-type: none">6. References are not recent, latest references are from 2020, so authors should check for the later literature and include in their manuscript.7. English grammar and writing should be improved in the whole article. Typing errors (such as nutritif, antioxydant)should be corrected.8. For the decimals dot should be used not comma in the whole article.9. References should be checked and written according to the guidelines of the journal. https://journalajaar.com/index.php/AJAAR/about/submissions#authorGuidelines Some recent publications from the journal can also be read.10. Writing of the units should be checked and should be consistent through the article.11. Writing of the species should be checked through the article, for example Theobroma cacao L. in page 1 should be italic.12. Writing of the references in the text should be corrected, some examples from page 4. singleton et al. (1999). meda et al. (2005).13. Title of references should be "REFERENCES" NOT "REFERENCES BIBLIOGRAPHIQUES"	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?		
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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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