

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_105896
Title of the Manuscript:	Nutrient Status and Oil yield of grain amaranthus species
Type of the 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.journalijecc.com/index.php/IJECC/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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The title is suitable with slight modification (Nutrient Status and Oil Yield of Amaranthus Species Grains)</p> <p>The abstract is comprehensive. It will be good if the result of the oil yield (in %) can be included in the abstract, since it is an important aspect of the work, as highlighted in the title. Otherwise, the oil yield can be changed to oil content.</p> <p>The subsections and structure are appropriate However:</p> <ul style="list-style-type: none"> - The tables can be re-presented by removing the in-line borders. - The tables are better presented if placed after each section of discussion, and must be referred to in the discussion. E.g Table 1 presents the proximate composition of ... - Care should be taken so as not to duplicate same result presentation in tables and figures. <p>The results were well discussed, although it will be good if comparison with previous work related to amaranth grains could be referenced.</p> <p>The manuscript is scientifically correct</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The English language quality of fair, but there may be need for general spelling and grammar check</p>	
<p>Optional/General comments</p>	<p>Some other suggested references are:</p> <ul style="list-style-type: none"> o Ogundare DO, and Tanimola AR (2022), Nutritional composition of some selected, unprocessed Amaranth Grain (Amaranthus spp) varieties in Nigeria. African Journal of Food Agriculture, Nutrition and Development 22(8): 2138 -21396 https://doi.org/10.18697/AJFAND.113.19835 o Akin-Idowu PE, Odunola OA, Gbadegesin MA, Ademoyegun OT, Aduloju AO and YO Olagunju Nutritional Evaluation of Five Species of Grain Amaranth – An Underutilized Crop. Int. J. Sci. 2017; 6: 18–27. o Tanimola, A.R., Otegbayo, B. and Akinoso, R. (2016). “Chemical, functional, rheological and sensory properties of amaranth flour and amaranth flour based paste”. African Journal of Food Science 10 (11): 313 – 319 https://doi.org/10.5897/AJFS2016.1422 o Njoki JW, Silva DN and AN Onyango Impact of Processing Techniques on Nutrient and Anti-Nutrient Content of Grain Amaranth (A. albus). FSQM. 2014; 25: 10 – 17. o Mburu MW, Gikonyo NK, Kenji GM and AM Mwasaru Nutritional and functional properties of a complementary food based on Kenyan Amaranth grain (Amaranthus cruentus). Afr. J. Food. Agric. Nutr. Dev. 2012; 12: 5959– 5977 o Skwarylo– Bednarz B Assessment of control of fat and tocopherols in seeds of Amaranthus in relation to diversified fertilization with macroelements. J. Envir. Chem. Eng. 2012; 19: 273–279 	

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

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Reviewer Details:

Name:	Abiola Rebecca Tanimola
Department, University & Country	Bowen University, Nigeria