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| Journal Name: | [**European Journal of Nutrition & Food Safety**](https://journalejnfs.com/index.php/EJNFS) |
| Manuscript Number: | **Ms\_EJNFS\_136635** |
| Title of the Manuscript:  | **Agronomic and Nutritional Performance of African Eggplant (Solanum aethiopicum) Cultivars from the Sudanian-Sahelian Zone of Burkina Faso** |
| Type of the Article | **Original Article** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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.** | This manuscript is important for the scientific community in the following ways:1. The study will help in documenting and characterizing local cultivars of *Solanum aethiopicum*, an underutilized but culturally significant crop. This will support the efforts in conserving plant genetic resources. By evaluating performance across cultivars, the study provides a basis for identifying genetic traits valuable for future breeding and conservation programs.
2. Again, theanalysis of nutritional composition (e.g., vitamins, minerals, fiber) highlights the eggplant's potential as a nutrient-rich food source and this knowledge will help in addressing micronutrient deficiencies common in the region. This work will also support the use of native crops in combatting malnutrition, offering an alternative to imported or resource-intensive crops.
3. Furthermore, by focusing on the Sudanian-Sahelian agro-climatic zone, the study will provide data on crop varieties that are well-suited to arid and semi-arid environments, which are becoming increasingly prevalent due to climate change while the agronomic evaluation can inform farmers and researchers about cultivar productivity, pest resistance, and adaptability—crucial for scaling up cultivation.
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| **Is the title of the article suitable?****(If not please suggest an alternative title)** | I want to suggest an alternative title as "Evaluation of Agro-Morphological and Nutritional Traits of Indigenous African Eggplant (*Solanum aethiopicum*) Accessions in the Sudanian-Sahelian Agro-Ecological Zone of Burkina Faso" |   |
| 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 abstract is not comprehensive enough. The “methods” section is too scanty and lacks some very important information needed to be reproduced. Secondly, at least two additional keywords should be added. |  |
| Is the manuscript scientifically, correct? Please write here. | I think the manuscript is scientifically sound and relevant and the results are quite informative. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are not sufficient and are also not recent. Over 60% of the references are older than 2015 (10 years back). I therefore suggest that more recent references should be added. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The article contains negligible grammatical errors. The English quality of the article is to a large extent, suitable for scholarly communications. |  |
| Optional/General comments | Nil |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* |  |

**Reviewer details:**

**Victor Zabbey, National Open University Of Nigeria, Nigeria**