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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5946** |
| Title of the Manuscript:  | **Synergistic Effects of Herbs and Probiotics in Traditional Fermented Foods: Efficacy, Safety, and Clinical Implications** |
| Type of the Article | **Book Chapter** |

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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 *(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 manuscript presents a valuble insight of the combination between probiotic and medicinal herbs in traditional West African fermented foods.. It presents information in a comprehensive manner covering biochemical mechanisms, toxicological issues, and public health implications. so the manuscript provides modern solutions to the problem of malnutrition. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | yes, it is clear and covers all the representative points |  |
| 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. | **Strength** Clear and organised from the introduction of the abstract to its end with good terminology**suggestion for edit:** -Highlight the valuable advantages of herb-probiotic combinations in clinical relevance. **(**Ex: as improve glycemic control ,...........).-A specific suggestion can be added for future directions at the end. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Strengths* Clear Scope for (abstract, introduction, mechanisms, safety, clinical applications)

The manscipte give clear explanation of health benefits of Herb-Probiotic combinations on nutritional enhancement, antimicrobial properties, immune modulation, and potential to combat malnutrition and infectious diseases.* Balanced viewpoint: discusses each aspect of benefits and risks (e.g., herb toxicity, microbial contamination, biogenic amines)
* Indication of challenges
1. In implementation as cultural acceptance: traditional flavours may be changed by certain herb-probiotic combinations, which could impact consumer acceptance and Scalability: for small-scale producers, increasing production while preserving quality and safety continues to be a challenge.
2. The lack of standardized protocols for herb-probiotic formulations in traditional foods poses a challenge for safety assessments.
* Conclusion of the manuscript is reasonable and scientifically correct, summarize the multifaceted benefits, as well as toxicological risks, challenges and needs for future research
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | Yes, the references are sufficient, cover up to date ( 2025), and majority of the references are from 2021–2025 |  |
| Is the language/English quality of the article suitable for scholarly communications? |  In general, it is grammatically correct Very few sentences are long and need clear pauses |  |
| Optional/General comments | * The article discusses an important topic about interaction between probiotic interactions between probiotic and medicinal herbs in organized and logic manner.
* More detail for Mechanism of Herb-Probiotic synergy give deeper understanding.
* A table listing herbs, associated probiotic strains, bioactive compounds, and clinical benefits would be highly useful and will be clearer to the readers.

In summary, this article provides valuable insights into the interactions between probiotic and medicinal herbs in traditional West African fermented foods and their implications for clinical and public health, requirie very minor revisions, and is suitable for publication. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)*No |  |

**Reviewer details:**

**Pierre Ezzat Mehanny, Egypt**