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| Journal Name: | [**Asian Journal of Food Research and Nutrition**](https://journalajfrn.com/index.php/AJFRN) |
| Manuscript Number: | **Ms\_AJFRN\_140504** |
| Title of the Manuscript: | **From Waste to Wellness: Unlocking the Nutraceutical Potential of Agri-Food Waste for Sustainable Functional Food Innovation** |
| Type of the Article | **Review 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.** | **Yes, overall, it is a fascinating and useful article.** **In the following, I will give my opinion on the different sections.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **It would be better if the title were changed. For instance, the word “Unlocking” can be changed. Of course, It is better to change the title of the article by the author, because the idea is from her/him, and the related articles that he has reviewed can help him/her.** |  |
| 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 more like an introduction. I think it's better to explain more about your work after a brief introduction. That is, what your goal was and what results it led to. Also state how this work differs from other similar works.** |  |
| Is the manuscript scientifically, correct? Please write here. | **The research background is not used in the "Introduction". Certainly, many studies and researches have been conducted and each of them have obtained results, none of which have been mentioned here. I suggest you use the studies and experiences of other researchers and bring them here. Then tell about your work and mention the difference between your work and other researches and explain the importance of your work.**  **The "Conclusion" is very brief. Although it has been said about the limitations, but the writing should be changed.**  **Altogether, the sentences are appropriate and scientifically a good work has been done.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The references are relatively new. That is, that the number of references after 2020 is low. Also, given the importance and breadth of the topic, the number of references is limited.**  **In addition, as mentioned in the previous section, it is better to add references related to research background.**  **I suggest you also use the studies and experiences of other researchers.**  **Green synthesis of agricultural waste biomass-assisted metal and metal oxide nanostructures and their applications: A review** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes, overall, the sentences are appropriate. But it is better to change the type of writing.** |  |
| Optional/General comments | **The number of** **the figures and tables** **is low. The quality of the figures and tables is not good. There are better figures or diagrams that can be used.** |  |

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| **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)* |  |

**Reviewer details:**

**Saeideh Hosseini, Iran**