Journal Name: [**Asian Journal of Agriculture and Allied Sciences**](https://www.ikprress.org/index.php/AJAAS)

Manuscript Number: **Ms\_AJAAS\_13130**

Title of the Manuscript:

**Green Valorisation of Pineapple Waste: A Pathway to Circular Economy and Industrial Resilience**

Type of the Article **Review Article**

**PART 1: Comments**

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|  | **Reviewer’s comment** | | | | **Author’s Feedback** (It is mandatory that  authors should write his/her feedback here) |
|  | **Artificial Intelligence (AI) generated or assisted review comments** | |  |
| **are strictly prohibited during peer review.** |  | |
| **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 provides valuable insights into the sustainable  repurposing of pineapple agro-industrial waste, an important issue for both environmental and economic sustainability.. The review also  emphasizes the role of these by-products in circular bioeconomy frameworks, paving the way for more sustainable practices in food production, pharmaceuticals, and bioenergy. Additionally, the manuscript identifies key challenges and suggests areas for further  research, making it a critical resource for scientists and researchers  working to advance sustainable waste management and the utilization of bioactive compounds. | | | | This manuscipt examines the sustainable management of pineapple waste, produced from one of India's most extensively consumed fruits, by investigating the extraction of valuable bioactive components and nutrients. It emphasizes the valorization of waste components, including peels, crowns, cores, and stems, for utilization in food, medicinal, and industrial applications. The study advocates for converting agro-waste into useful ingredients and high-value goods, thereby promoting waste reduction and enhanced nutritional security, per the United Nations Sustainable Development Goals of zero waste and zero hunger. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is generally suitable as it highlights the key themes of  sustainability, waste valorization, and the circular economy. However, it could be made more specific and focused on the  bioactive compounds and practical applications discussed in the article. | | | | The title is modified according to the reviewer's suggestion. |
| **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 of the article is comprehensive in its  coverage of the key aspects related to the valorization of pineapple waste, including the identification of valuable bioactive compounds, their applications in various industries, and the challenges of large-scale implementation. | | | | The abstract is modified according to the reviewer's suggestion. |
| **Is the manuscript scientifically correct? Please write here.** | No, | | | | Yes, modifications are done in the manuscript. |
| **Are the references sufficient**  **and recent? If you have suggestions of additional references, please mention them** | yes | | | | Yes |

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| **in the review form.** |  |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | yes | Yes |
| **Optional/General** comments |  |  |

**PART 2:**

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|  | **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 detail)*  , | No |