ISSN (0): 3139-0765
Jana Nexus: Journal of Agricultural, Veterinary and Environmental Sciences
Publisher's Name: Jana Publication and Research LLP
www.jananexusaves.com

REVIEWER'S REPORT

Manuscript No.: JNAVES-029

Title: Waste-to-Resource Approaches in Agriculture: Sustainable Management of Agricultural Residues and Environmental Protection.

Recommendation:
Accept as it is .....
Accept after minor revision.....
Accept after major revision .....
Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity	✓			
Significance	✓			

Reviewer Id: JPR-184

Reviewer's Comment for Publication.

The manuscript presents a comprehensive and relevant review of waste-to-resource approaches in agriculture, focusing on sustainable management of agricultural residues, resource recovery, and environmental protection. The topic is highly significant in the context of circular economy development, climate change mitigation, and sustainable agricultural practices. The manuscript is well organized and provides a clear overview of different agricultural waste sources, environmental impacts of improper waste management, and valorization strategies including composting, biochar production, biogas generation, bioenergy production, and nutrient recycling. The discussion effectively highlights the potential of agricultural waste conversion technologies to improve resource efficiency and support sustainable development.

Several minor revisions are recommended to further enhance the scientific quality of the manuscript. The authors should incorporate more recent research findings and updated data regarding agricultural waste generation, resource recovery efficiency, and environmental benefits. The sections discussing technological innovations and future prospects could be strengthened by including recent advancements in biorefineries, integrated waste management systems, and emerging circular agriculture technologies. A more detailed discussion on economic feasibility, scalability, and challenges faced by smallholder farmers would improve the practical relevance of the review. The reference section should also be carefully checked for completeness, accuracy, and consistency according to the journal's formatting guidelines. Minor language editing and proofreading are recommended to improve overall readability.

Overall, the manuscript provides valuable insights into sustainable agricultural waste management and circular resource utilization. Subject to the incorporation of the suggested minor revisions, the manuscript is recommended for publication.