

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_130178
Title of the Manuscript:	Autoclaving-Induced Changes in the Functional Properties of Protein Isolates from Pigeon Pea
Type of the Article	Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 significantly contributes to the scientific community by exploring the potential of autoclaving to optimize the functional properties of protein isolates from pigeon pea genotypes. Its findings on solubility, hydrophobicity, water and oil holding capacities, as well as emulsification and foaming properties, provide critical insights into the impact of thermal treatment on plant-based proteins. Such information is invaluable for improving the applicability of pigeon pea proteins in diverse food formulations, particularly in addressing global protein malnutrition. Moreover, the study offers a foundation for future research into sustainable, plant-based protein sources tailored for the evolving food industry.	
Is the title of the article suitable? (If not please suggest an alternative title)	It is ok but slightly modified as per my suggestion. Title should be like “Impact of Autoclaving on Functional Properties of Pigeon Pea Protein Isolates”	Title changed accordingly
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 comprehensive but could include specific numerical changes for WHC, OHC, or EAI/ESI to enhance clarity. Additionally, briefly linking the improved properties to specific food applications would strengthen its practical relevance.	Changes are made according to the comments.
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	Write-up should be in specific for all section. Need of modification given in manuscript itself with comments in each section, go through it and make notable manuscript.	Modified according to the comments given .

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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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	