ISSN(O): 2320-5407 | ISSN(P): 3107-4928

ISSN NO. 2320-5407

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

REVIEWER'S REPORT

Manuscript No.: IJAR- 59699

Manuscript Title: Recurring annual flood in Bhagalpur district of Bihar: A case study of Agricultural, Livestock, Socio-economic and Public health impact.,

Recommendation:
Accept after minor revision

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

Reviewer Name: Dr. Abdul Haseeb Mir

Detailed Reviewer's Repot

General Overview

The reviewed manuscript, titled "Recurring Annual Flood in Bhagalpur District of Bihar: A Case Study of Agricultural, Livestock, Socio-Economic and Public Health Impact," presents a localized and empirically grounded investigation into the severe socio-economic, agricultural, and public health consequences of annual monsoon flooding in the Nathnagar block of Bhagalpur district, Bihar. Utilizing a primary field survey across twelve affected villages and engaging 225 respondents, the study documents the multi-faceted dimensions of disaster vulnerability, including housing inundation, drinking water contamination, sanitation breakdown, livestock mortality, crop destruction, and psychological distress among displaced populations. The manuscript effectively captures the lived realities of marginal farming communities trapped in cycles of debt, displacement, and seasonal migration due to the geographic and hydrological vulnerabilities of the Ganga-Kosi floodplains. Through a combination of descriptive field observations, photographic evidence, quantitative percentages, and mathematical mean calculations, the paper highlights both the primary and secondary impacts of riverine flooding on rural livelihoods.

Suggestions for the Improvement

While the manuscript addresses a critical and recurrent humanitarian and environmental challenge, several significant methodological and structural enhancements are required prior to publication. First, the sampling methodology and demographic scope require rigorous clarification. The text states that 225

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people of various ages were surveyed across twelve villages, yet it notes that 56 were adults while the rest were children and elderly people. A more detailed explanation of the sampling framework, household selection criteria, and how data were ethically gathered from minors or vulnerable groups is essential for academic credibility. Second, the mathematical formulas and statistical analysis presented in the methodology section (such as the average calculation for age groups) require standard academic formatting and precision, as some equations appear fragmented or conflated with basic percentage derivations.

Additionally, the discussion section would benefit from deeper engagement with existing hydrological and disaster management literature rather than merely listing survey percentages. Integrating broader policy frameworks related to flood mitigation, disaster risk reduction, and climate adaptation in the Indo-Gangetic plains would elevate the paper's theoretical contribution. Finally, the manuscript requires thorough copyediting for grammatical flow, typo correction (e.g., fixing recurring spelling errors such as "questionair", "attel", or inconsistent date formatting in figure captions), and professional restructuring of visual elements and tables to meet international journal standards.

Recommendation for the Editor

In view of its valuable empirical contribution to the understanding of localized flood vulnerabilities, rural livelihoods, and public health crises in South Asia, I recommend that the manuscript be accepted for publication following **minor changes**. The paper addresses an important regional issue with genuine field data and offers meaningful insights into community-level disaster impacts. Ensuring that the authors refine the methodological explanations, polish the statistical reporting, and perform comprehensive language editing will render the article suitable for scholarly dissemination.

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