

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_131155
Title of the Manuscript:	A comprehensive review on impact of intensive use of nitrogenous fertilizer on nitrate contamination in groundwater, under sugarcane based cropping system in Indo-Gangetic plains of India.
Type of the Article	Review Article

Review Form 3

PART 1: Comments

	Reviewer's comment Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. 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.	The article provides a well-researched and practical analysis of nitrate contamination in groundwater, offering comprehensive recommendations across key areas, including agriculture, groundwater management, public health, policy, and research. The proposed solutions are relevant, feasible, and aligned with sustainable environmental practices	Agree with the reviewer comments
Is the title of the article suitable? (If not please suggest an alternative title)	Yes it align with the article	Agree with the reviewer comments
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.	Briefly specifying the methodology would strengthen the abstract. The closing sentence could be more impactful by specifying how policymakers and researchers can apply the findings rather than stating that the study contributes perspectives.	Agree with the reviewer comments
Is the manuscript scientifically, correct? Please write here.	Yes, its scientifically correct.	Agree with the reviewer comments
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Some of the recent reference need to be added practically the study based on the Indo-Gangetic plain. 1. Prasad, A. D., & Ahmad, I. (2022, March). Groundwater vulnerability assessment using SINTACS model and GIS: A case study in Raipur city. In <i>IOP Conference Series: Earth and Environmental Science</i> (Vol. 982, No. 1, p. 012070). IOP Publishing. 2. Sahu, I., Prasad, A. D., & Ahmad, I. (2022). Comparison of GIS-Based Intrinsic Groundwater Vulnerability Assessment Methods: DRASTIC and SINTACS. <i>Nature Environment and Pollution Technology</i> , 21(5), 2249-2258.	Agree with the reviewer comments, and have added recent référence
Is the language/English quality of the article suitable for scholarly communications?	English quality of the article is suitable for scholarly communications but need some refinement.	Agree with the reviewer comments
Optional/General comments	1.Check the sentence formation it leads to some other meaning 2.Name the component when it is introduced first time in the manuscript do it for all. 3.Maintain the uniformity in units. 4. For resonance structure -Keep it as figure and give a figure name to it, Example figure 1.-so and so 5. Make all the citation even some where its bold and somewhere its italic 6. What are these hidden sources elaborate it – (Page 6 last line) 7. Name the model which is used. (Page 7 under, LEACHING OF NITRATE IN SOIL) 8. Write the full form. - APSIM-SWIM. 9. What do you mean by SDM? 10. Check for the punctuation and full stop (Page 9 last paragraph) 11. Which both experiment? Elaborate. (Page 9 last paragraph) 12. In place of N write nitrogen it will give meaning to the sentence (Page 10)	Agree with the reviewer comments Agree with the reviewer comments Agree with the reviewer comments, already Maintain the uniformity in units Agree with the reviewer comments Kept it as figure, given a figure name. Agree with the reviewer comments and have maintained uniformity in all the citations Agree with the reviewer comments Agree with the reviewer comments Disagree with the reviewer comments, it is not available in manuscript Agree with the reviewer comments Agree with the reviewer comments Agree with the reviewer comments

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)	