

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_106185
Title of the Manuscript:	Enhancing Drip Irrigation Efficiency through Novel Statistical Modeling of Wetting Patterns in Water-Scarce Agriculture
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes</p> <p>Yes</p> <p>Not yet (need modification)</p> <p>Requires modification</p> <p>Yes (more details may be added)</p> <p>Suggested some articles to strengthen the review of literature</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Minor revision. Language is fine.</p>	
<p>Optional/General comments</p>	<p>Madhavananda Gundappago, Manoj Khanna, Man Singh, Susama Sudhishri, Jitendra Rajput and Dimple. 2021. Nitrogen distribution in soil under urea ammonium nitrate (UAN) and urea application in drip fertigated cabbage (Brassica oleraceae var. capitata). <i>Indian Journal of Soil Conservation</i>. 49(3):1-9</p> <p>Dimple, Pradeep Kumar Singh, Jitendra Rajput, Dheeraj Kumar, Venkatesh Gaddikeri, Ahmed Elbeltagi. Combination of discretization regression with data-driven algorithms for modeling irrigation water quality indices. <i>Journal of Ecological Informatics</i>. https://doi.org/10.1016/j.ecoinf.2023.102093.</p> <p>Arti Kumari, Ashutosh Upadhyaya, Pawan Jeet, Nadhir Al-Ansari, Jitendra Rajput, Alban Kuriqi, P K Sundaram, Kirti Saurabh, Ved Prakash, AK Singh, Rohan Kumar Raman and Venkatesh Gaddikeri. 2022. Estimation of Actual Evapotranspiration and Crop Coefficient of Transplanted Puddled Rice using Modified Non-weighing paddy Lysimeter. <i>Agronomy</i>.</p> <p>Jitendra Rajput, Man Singh, K. Lal, Manoj Khanna, A. Sarangi, J. Mukherjee, Shrawan Singh. 2023. Selection of Alternate Reference Evapotranspiration Models based on Multi-Criteria Decision Ranking for Semi-Arid Climate. <i>Journal of Environment, Development and Sustainability</i>.</p> <p>Jitendra Rajput, Man Singh, K. Lal, Manoj Khanna, A. Sarangi, J. Mukherjee, Shrawan Singh. 2022. Performance Evaluation of Soft Computing Techniques for Forecasting Daily Reference Evapotranspiration. <i>Journal of Water and Climate Change</i>.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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Reviewer Details:

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