

Review Form 1.7

Journal Name:	Asian Research Journal of Agriculture
Manuscript Number:	Ms_ARJA_116997
Title of the Manuscript:	A Comparative Study of Detrending Methods on Crop Yield Time Series for Drought Studies
Type of the Article	

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. This addresses a significant challenge in analyzing crop yield data, specifically the validation of drought occurrences, which is crucial for understanding and mitigating the impacts of climate change on agriculture. By comparing and evaluating different detrending approaches, including both traditional statistical methods and machine learning techniques, the research provides valuable insights into the most effective ways to process and analyze time series data related to crop yield.</p> <p>Yes</p> <p>Yes, The abstract mentions the specific detrending approaches tested, the dataset used, and the performance evaluation metrics employed</p> <p>Yes</p> <p>Yes</p> <p>While the references listed appear to be recent, there might be some gaps in certain areas, such as the application of specific detrending techniques or the use of machine learning models in agricultural research</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>		

Review Form 1.7

PART 2:

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

Reviewer Details:

Name:	Hashini Nirasha Munasinghe
Department, University & Country	University of Sri Jayewardenepura, Sri Lanka