

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_121996
Title of the Manuscript:	Computing Spatio-Temporal Crop Coefficients of Wheat Crop Using Geospatial Techniques- A case study of Akola District of Maharashtra, India
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Estimating Kc of wheat is imperative for efficient irrigation water use especially where water is scarce. Such a study provides decisive information for the practical irrigation activities and the scientific communities too how remote sensing technologies could be applied in the calculation of Kc.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title did not describe what was researched. Spatial analysis of Kc was missing. This could be reshaped as "Estimation of Wheat Crop Coefficient Using GIS and Remote Sensing- A case study of Akola District of Maharashtra, India"	
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.	No! Abstract section should encompass the research problem, methods applied, major results, and implication. Nevertheless, the author/authors did not address all the sections mentioned above. The authors are recommended to lessen lines (from 1 to 8) by focusing only on introducing what your study intended to solve. In addition, please provide an expansion form of "MPKV"; and add your research output implication or recommendation at the end.	
Are subsections and structure of the manuscript appropriate?	Yes!	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript followed the scientific way of computing wheat crop coefficient. Problem statement of the research, methods employed and data used, results and discussion, and conclusion are generally clear. However, major revisions are required as per the detailed comments given below in " <u>Optional/General</u> comments"	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	References used are old and thus, I suggest using recent references. <ul style="list-style-type: none"> • https://www.researchgate.net/publication/328261787 • https://www.mdpi.com/2072-4292/16/9/1625 • https://link.springer.com/article/10.1007/s11269-024-03910-z • And more 	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Quite enough</p>	
<p>Optional/General comments</p>	<p>Detailed review results.</p> <p>Title</p> <p>I did not see any spatial analysis of Kc. Please, revise the title accordingly.</p> <p>Abstract</p> <p>Abstract section should encompass research problem, methods applied, major results, and implication. Nevertheless, the author/authors was/were not addressing all the aforementioned sections. The authors are recommended to lessen lines (from 1 to 8) by focusing only introducing what your study intended to solve. In addition, please provide expansion form of “MPKV”; and add your research output implication or recommendation at the end.</p> <p>Keywords</p> <p>Please add keywords.</p> <p>Introduction</p> <ul style="list-style-type: none"> • Which edition of FAO you are using here? Please cite it. • In line saying “Many studies have shown that...”, please cite it and use recent references. • It is too short and references are too old. Please enlarge introduction section by reviewing the recently published works in/around your study area. <p>Materials and methods</p> <ul style="list-style-type: none"> • Under “Remotely sensed data”, what do you mean by “for five consecutive months of <i>rab</i> season (November/ December /January/February/March/April)”? Please revise it. • Why do you employing Sentinel-2A over Landsat and MODIS? Author/s is/are recommended to Justify why. • Table 2 is recommended to be rewritten in equation form. • Under “Establishment of VI-K_c relations and their evaluation”, please rewrite the paragraph. Define all the statistical measures here or you can infer readers to appropriate references. <p>Results and Discussions</p> <ul style="list-style-type: none"> • Use at least five references (2020-2024) to reinforce your discussion. • Please, Point out the limitation of your study. <p>Conclusion</p> <ul style="list-style-type: none"> • Have you estimated wheat crop area? I did not see it throughout the manuscript. Anyway, please, be sure that you summarised the major findings of your paper and a precise recommendation. 	

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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:

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