



SDI Review Form 1.6

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_43843
Title of the Manuscript:	Use of Satellite Remote Sensing for Rice Yield Estimation: A Case Study of Polonnaruwa District, Sri Lanka
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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)
Compulsory REVISION comments	1- My concern is that vegetation indices are sensitive to wet and water covered fields. Where any of these issues encountered during the computation of the indices? If yes How did you overcome this problem? 2- IN section 2.4 paddy rice mapping should not be validated based on national statistics "land crop area". The authors should follow the normal classification process and field samples for verifications. Few pixels identified randomly as paddy rice and used to verify the results... How many? 3- What are the 10 coefficient and how did the authors set the threshold? 4- Rewrite equations 3 and 4 using MS Word equation. Does the x in the equation works for both indices? 5- In table 1 it is not clear how the difference between identified and statistical of 135 hectares out of 65756 ha worth 20%? The same for the others. 6- In table 2 NDVI seems more consistent but EVI is not it fluctuates from 72 and 94% why? This is not clear 7- No need for table 3 8- Need English language revision. 9- Check similar up to date references discuss them and add them. Plagiarism issue: I am not sure if the following manuscript found in http://a-a-r-s.org/acrs/administrator/components/com_jresearch/files/publications/Ab%200127.pdf is for the same authors. If that is the case should be included and discussed in the manuscript	
Minor REVISION comments	10- Change title to "Rice yield estimation in sri-lanka using remote sensing"	



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	11- Rewrite the statement in the abstract “therefore, this study...remote sensing data” 12- EVI2 in the abstract is not identified before using the abbreviation 13- Remove the word “(MOD09Q1v006) » from the abstract 14- Remove the sentence “Besides, the temporal change of Normalized Differenced...minimum kappa coefficient was 0.9916” from the abstract. No need for it. 15- Line 58 change “Landsat 8 OLI/TIRS images for identify” to “Landsat 8 OLI/TIRS images to identify” 16- Note that Landsat is not considered low temporal resolution if both Landsat 8 and 7 are combined it will become moderate resolution which is good for crop yield estimation. Please correct and justify why Landsat 7 was not used. 17- Separate study area from data and methods and include more details about the study area such as size of fields crops, source of irrigation, landform, climate..etc. 18- Put the reference site of USGS in the reference page.	
Optional/General comments		

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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