Review Form 1.8

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_120041**
Title of the Manuscript:	**The effects of climate change on normalized difference vegetation index (NDVI) in the Al-Huwaizh marsh**
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	**Reviewer's comment**	**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)*
Is the manuscript important for scientific community? (Please write few sentences regarding this manuscript to justify your answer)	**Manuscript is important for scientific community as t tries to compare the Climate Change with Vegetation Cover change in the marshy lands. Marshy land may be an ecosystem which needs to be protected for its several functions.The services may be mentioned by the author.**	
Is the title of the article suitable? (If not please suggest an alternative title)	OK	
Is the abstract of the article comprehensive?	**In abstract there is a mention of three indices and only NDVI is used. Other remote sensing indices are not mentioned in the paper.**	
Are subsections and structure of the manuscript appropriate?	**OK**	
Do you think the manuscript is scientifically correct? (Please write few sentences regarding this manuscript to justify your answer)	**Scientifically not rigorous.**The paper has utilized satellite data from LANDSAT 8 and 9 but the details of dates of acquisition are not given in a Table. The dates give a idea of which part of the year the satellite data is obtained. Is it in winter , summer , rainy season. Etc. This will have a bearing on NDVI ranges in a certain day satellite image. More over the Landsat 7 and Landsat 8 are used for NDVI-which significantly changes the NDVI ranges also, unless Landsat 8 is the DITTOO replica of Landsat 7.This also needs to be ascertained by giving details of all MSS spectral bands. Thirdly, whether/which type of radiometric corrections are done on each date of satellite data to normalize the NDVI values is not mentioned in the paper. On these two important counts (a) ranges of values are not comparable if they are taken in different seasons.(b)What type of Radiometric corrections are done on each image. This will have an effect on NDVI image quality and quantity. Fourthly, Climate change is to be taken for every thirty year episodes and not twenty three years as is done here in this case study. **The conclusions that are drawn becomes a fallacy when NDVI ranges of data and radiometric normalisation applied for each date(different satellites categorisation too) is not mentioned.** **I will accept for publication to your journal only if all these queries raised by me are answered.**	

Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	**Ok-to some exent. But not made use of appropriate way.Otherwise satellite dates and radiometric corrections, NDVI ranges would have been properly carried out.**	
Minor REVISION comments **Is language/English quality of the article suitable for scholarly communications?**	Ok	
Optional/General comments	Mann-KENDALL test should have been done for NDVI also if sufficient number of imageries are taken into consideration.	

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)*	

Reviewer Details:

Name:	**C J Jagadeesha**
Department, University & Country	**School of Civil Engineering, Karunya University, Karunya Institute of Technology and Sciences, India**