SCIENCEDOMAIN *international*
www.sciencedomain.org

SDI Review Form 1.6

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_48767**
Title of the Manuscript:	**Remote Sensing Based Land Surface Temperature Analysis in Diverse Environment of Lalgudi Block**
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/sdi-general-editorial-policy)

SDI Review Form 1.6

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	**Comment2: 2.2 Image selection** • **UTM Zone?** • **What is its map projection?** • **Path & Low?** • **Selection of the time period goes hand in hand with seasons? If yes there is not need to talk about the land use and land cover change because in one month the changes some times are very minor.** • **Cloud cover of *23.15*? you might need an image collection** • **Therefore, check on your land sat Image properties** **Comment3: The steps for LST computations should be discussed so that the readers can be informed how NDVI is used for LST and converting from Thermal band to LST is computed** **Comment4:** This study attempts to analyze the spatial variation of land surface temperature by using split-window algorithm from Landsat 8 satellite images for various land use/cover in Lalgudi block. • Where did you get those land covers and land uses that you discussing? • Ground truth survey comes to confirm what have been detected using remote sensing. Therefore, try to make also LU/LC Change detection and their LST so that at the end you will have what to compare and coming up with tangible out put • Clarify your methodology.	
Minor REVISION comments	**Comment1:** • **Material & Methods on 2.1 Readability of the map should be improved** **Comment5:** • **Results and discussion: Readability of the map should be improved**	
Optional/General comments	You can also check on paper entitled "Land Surface Temperature Analysis of Kigali City"	

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:	***NDAYISENGA Jean Bosco***
Department, University & Country	***University of Rwanda, Rwanda***