



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_45426
Title of the Manuscript:	Land Surface Temperature Analysis of Kigali City
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
1. Introduction It looks to me that some of the observations raised in this section of the original manuscript have not been addressed. I understand change assessment is not within the scope of your study, however how do you compare your findings when some of the cited studies are not within your domain? I suppose the authors need to comment on the established relationships between spectral indices and LST in the earlier literatures within their domain, identify if there are any contradictions in the findings of these literatures. With this understanding, I suppose the authors can thereafter corroborate their results (for instance "positive and negative correlations of LST with NDBI and NDVI have been found in some of the articles I suggested in my first comment") with other past studies. 2. Landsat 8 image data Please clarify if you performed any geometrical corrections? Otherwise, the authors can include the description of the quality level terrain of the Landsat image used. 2.2 Land cover detection Please comment on the consistency of the method of classification "supervised Maximum likelihood" as in the past literature. Training samples are pixels of your land use classes and not spectral bands composite as you indicated in your revised manuscript. These are carried out following ground truth information and/or prior knowledge and experience about the terrain of your study area. Please clarify how many similar pixels (training samples) were grouped for classification and how it has improved your accuracy? I suppose your accuracy assessment was performed using confusion matrices...please describe? 3. References This section needs total overhaul...The authors' names should be well written and arranged, names of journals, volume and page numbers/doi should be included.	➤ Landsat 8 Characteristics and descriptions are displayed in table 1 ➤ land cover: Confusion matrix is discussed in revision 2 ➤ References are revised in revision 2 manuscript