

# Review of: "Thermal Remote Sensing: A tool to Determine Temporal Land Surface Temperature in Hawassa City, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

An abstract is not well organized. The abstract must be improved. The authors must explain the application and novelty of the research work and add in the abstract section.

The literature section must be improved with more advanced articles and clearly why your present study is different, better to explain novelty.

Landsat 8 has two bands of thermal infrared, but in the study, the authors opted for band 10 for estimation of brightness temperature, while in the flow chart the authors wrote that bands 11 and 10 were used in the LST calculations. . The authors are suggested to please correct this and mention why band 11 was not selected for brightness temperature estimation.

Just before figure 02, last line of the paragraph "In this research, Band 10 is used in....." was not clear to the readers.

Review English grammar, as there are mistakes throughout the text. Some sentences are long. To improve readability, consider breaking those into multiple sentences.

More physical insight into the discussion section is needed.

Every study has some limitations, what is the limitation of this study? Mention it in the conclusion section. Also, discuss the merits and demerits of applied methods.

I suggest old references should be used only when needed, it is important to replace some of them with more recent ones. The following articles may be used as references in the manuscript

- A study of change in agricultural and forest land in Gwalior city using satellite imagery,  
<https://doi.org/10.18090/samriddhi.v9i02.10870>
- Land surface temperature retrieval from TIRS data and its relationship with land surface indices,  
<https://doi.org/10.1007/s12517-021-08255-0>

Please check the "Reference" section to correct several errors and inconsistencies with respect to the journal's reference format.

Some references have been written twice in the reference section.