

# Review of: "Algal bloom monitoring in Koka Reservoir, Ethiopia: Application of satellite remote sensing algorithms"

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Potential competing interests: No potential competing interests to declare.

Remote sensing is a powerful tool for monitoring ecological changes in lake reservoirs. This paper uses Landsat-OLI and Sentinel-MSI images to obtain algal dynamics information in a reservoir, which has reference value and some details need to be improved:

Please add citation information or URL to the auxiliary data used in this paper.

Please check the spatial resolution of MODIS surface temperature data, is 1200km too large?

Figure 2 suggests correcting to square and adding 1:1 line.

The validation results in Figure 5(b) look bad, please provide the relevant accuracy factor in the figure to reflect the accuracy of the algorithm. Figure 5(b) should also be mentioned in the main text.

Is it possible to use the measured data to verify the reason for the variation of water quality characteristics in different periods?

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