

Interactive comment on “Monitoring of seasonally variability and movement of suspended sediment concentration along Thiruvananthapuram coast using OLI sensor” by Bismay Ranjan Tripathy et al.

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In overall, the paper shows a poor scientific quality and scientific significance. Please carefully prepare the paper again with the the detail explanations for each major point as significant wave height, discussion (comparison to other model results...)...There is many researches focused on Suspended sediments using Remote sensing. If you want to use the available model to your study site, how do you think that model is appropriate to location. Please consider that those models are only empirical models. You need to show Root Mean Square Error or something like that to demonstrate that the model applied to your study site is feasible and reasonable.

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Line 63: Wavelength between 0.5 and 0.8m...Those is wrong. They should be 0.5 and 0.8 micrometer

Line 196: Extraction of suspended sediments: The authors used the existing model to extract Suspended sediments so What is the original ? Just applying the existing algorithm is not novel and cannot be called the Research article.

Line 219: The authors estimated significant wave height but did not describe how to estimate it and which model to calculate the wave propagation. It is very important.

Line 249 and 251: In order to monitoring the seasonal variability and movement of suspended sediment, only one time of the post-monsoon and pre-monsoon doesn't meaning. You cannot say this picture which can be a representative for a whole season. So they cannot be a conclusion for the seasonal variability of Suspended sediment.

The paper can be reconsidered after major revisions.

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