

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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Strengths

A good attempt to explain the processes of converting image pixels to suspended sediment concentration.

Fundamental revision required

Instead of only two tie points to represent pre-and post-monsoon seasons, multiple scenes of different dates and different years of data should be included. The average conditions from the multiple scenes should be used for strengthening the discussion

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part.

Take care of the writing part

Redundant information can be avoided e.g. Line 37 to 44 The line 72 can be removed. Not necessary for the present paper The exact date of satellite data acquisition needs to be mentioned (line 87) rather month and year Technics of scientific writing should be followed throughout the text e.g. DBM is expanded in line 91 and again in line 93 Need to add proper references especially in methodology part. e.g. Section 3.3 not citing any works, where the study followed earlier equations Discussion part should be expanded. The study lacking in recent references. Only one reference after the year 2014.

Legend/symbology part requires special attention

Blue colour should not be used for settlements. It confuses with water/depth (fig.1). Unwanted information/legend can be removed from the map (e.g. water bodies name and blocks in fig.2). Basic principles should be followed (e.g. how pond become a line feature in fig. 4 & 5) Layouting need revision. Unnecessary gaps between title and map should be removed.

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