

The paper presents an excellent investigation work that will be very useful in the applications of the remote sensing. The analysis of the reflectance behaviour with the scale and the diverse indexes with the scale also, applied to the images of Earth observation satellites it will allow to deepen in their synergies.

Comments to improve the text:

- In the line 13 of the page 8 of the manuscript version 2, it is indicated that "c has the units $(\% / \text{cm})^\alpha$." I believe that this is not correct and it should say: $\% / (\text{cm})^\alpha$. This is, the exponent alpha affects alone to the denominator.
- In the line 19 of the page 11, "(the slope between the log reflectance and the log resolution)" it is repeated in previous (11 and 12) lines. I believe that it would not be necessary to repeat it.
- In the text of the Table 1, it is said that "Ref represents reflectance values in nm." I believe that this should be expressed otherwise to avoid confusion, because the reflectance units are not nm.