

1 Authors should give a detailed parameters information or a parameters value table when using eq.(1) to simulate multi-angle reflectance, which is illustrated in Fig.1.

The simulation condition will be added in the manuscript.

2 It's not clear to induce Eq.(2) from Eq.(1)

A term of Eq.(2) was left out in the manuscript, which will be added up.

3 What is the background difference between the plots of Fig.2?

We will add the information in the caption of the figure.

4 Simulation condition of Fig.(3) should be given in detail for it seems that the reflectance on NIR band is doubtful.

The simulation condition will be added in the manuscript.

5 When estimation and validation the NDVI method using ground measurement data, how the 11 ground LAI is separated as modeling and validating subset?

Since there are only 11 ground LAI in the study area on the day when the remote sensing image was acquired, they are used only as validating dataset. The relationship between NDVI and LAI was established by using other ground measurement data than the 11 site.