

We wish to thank the editor and reviewer for the suggestions, which have significantly improved our manuscript. We have made all the corrections as suggested.

(1) Line 196, 201: I think you should align the terms for the k_e values. k_c should be $k_{chl a}$ and k_{sed} should be k_{SSC}

We have corrected it as:

$$k_e = k_{e base} + k_{chl a} * a_{cchl} * P_c + k_{SSC} * SSC + k_{POC} * POC$$

(2) Line 558: "relationship" should be "relationships"

The reviewer probably means the word in [Line 588](#): '*Similar relationships between SSC and eutrophication or hypoxia have...*'

We have corrected it as advised.

(3) Line 608: It should be "Di Toro"

We checked the published book and the author's name should be 'DiToro'. We have corrected it as 'DiToro'.