

Response to comments

Dear Editor

Thank you very much again for your comments regarding our manuscript! We have addressed your comments (repeating in *italics*) below. The manuscript was also proofread again, please check the manuscript with tracked changes.

l. 24: What is the product of the reaction of HO₂ and eugenol? Is molecular oxygen formed or H₂O₂? If the former, wouldn't it be then a reduction reaction? You could replace 'oxidize' by 'degrade'.

Reply: Thanks, it should be molecular oxygen, and the word "oxidize" is replaced by "degrade"

Figures 1, 4, 7, 8, 9, 10: Please change the figure according to the legend., i.e. replacing 'Direct', 'OH', and 3C' by 'direct photolysis, OH-initiated oxidation and 3C*-initiated oxidation, respectively.*

Reply: As suggested, the legends as well as those in supplement have been changed.

l. 569: replace 'contributed' by 'contribute'

l. 614: replace 'dramatic' by 'significant' or 'rapid' – depending on what matches the content

l. 631: remove 'the behaviors of'

l. 662: replace 'dominates' by 'dominate'

l. 694: Please write consistently 'OH', not HO· (check the remainder of the manuscript)

l. 787: replace 'foil' by 'fuel'

Reply: Done