

## Comments from editor:

Dear Authors, I am overall satisfied with the new version of the manuscript. You addressed all the reviewers' comments and also mines. I am pleased to endorse publication upon correction of some minor issues as listed below.

Please make the appropriate changes and upload a new version of the manuscript for publication.

L.24 replace "GHG" with "CH<sub>4</sub> and N<sub>2</sub>O"

Reply: We revised it.

L.72 The first question is unclear. What do you mean "positive effects"? in your introduction you do not explain that N deposition has positive effect. Please rephrase to something like: "do increasing rates of N deposition stimulate CH<sub>4</sub> and N<sub>2</sub>O emissions?"

Reply: Thanks for the nice suggestion, and we revised it from “with the N deposition consistently increasing, do the positive effects of N deposition on CH<sub>4</sub> and N<sub>2</sub>O emissions persist?” to “do increasing rates of N deposition consistently stimulate CH<sub>4</sub> and N<sub>2</sub>O emissions?”.

L.246 What do you mean by "but not reaching a significant level". please rephrase this sentence

Reply: We are sorry for this led to some confusion. We meant that the Song et al. (2013) found a similar pattern of non-linear relationship between N addition (0-240 kg N ha<sup>-1</sup> yr<sup>-1</sup>) and CH<sub>4</sub> fluxes in a wetland, but unfortunately, they did not conduct any statistical analysis regarding this non-linear relationship. The authors only conducted the ANOVA to explore the overall effects of N addition on CH<sub>4</sub> emissions, which is not significant. Therefore, we rephrased it from “Song et al. (2013) reported that the N addition (0-240 kg N ha<sup>-1</sup> yr<sup>-1</sup>) showed non-linear positive effects on CH<sub>4</sub> fluxes in a wetland with the highest CH<sub>4</sub> flux at 60 kg ha<sup>-1</sup> yr<sup>-1</sup> N addition, but not reaching a significant level.” to “Song et al. (2013) found a similar pattern of non-linear effects of N addition (0-240 kg N ha<sup>-1</sup> yr<sup>-1</sup>) on CH<sub>4</sub> fluxes in a wetland with the highest CH<sub>4</sub>

flux observed at 60 kg ha<sup>-1</sup> yr<sup>-1</sup> N addition, but unfortunately, this N effect was not significant.”.

L.252 Change "likely led" to "might have led"

Reply: We revised it.

L.256 Change "the previous study" with "a previous study"

Reply: We revised it.

L.259 Change "as far as we know" with "to the best of our knowledge"

Reply: We revised it.