

The manuscript titled “Different responses of ecosystem CO<sub>2</sub> and N<sub>2</sub>O emissions and CH<sub>4</sub> uptake to seasonally asymmetric warming in an alpine grassland of the Tianshan Mountains” by Gong et al. may be accepted after the following minor edits:

1. The authors, in this revision, state that they measured humidity (line no. 136). The variations in humidity (I assume relative humidity) under warming as given for other parameters should be provided in supplementary. Alternatively, I suggest that humidity may be removed as it is not discussed further in the manuscript.
2. In line no. 138 correct “OCTs” to “OTCs”
3. In figure 3, If you provide correlation (r value) instead of regression (r<sup>2</sup> value) then in line no. 476 (figure 3) correct “presented by linear regression” to “presented by linear correlation”.
4. My earlier suggestion regarding figure 2 was to add **additional boxes** to represent overall variations in GHG fluxes (entire sampling period from 2016-2019). It will read as (in X-axis):

GS 2017      GS 2018      GS 2019      GS Mean

Do the same for NGS. Mean lines (shown in red) are not required.