

Dear Editors:

Thank you for your letter and comments concerning our manuscript entitled "**Measurement Report: Characterization of sugars and amino acids in atmospheric fine particulates and related to local primary sources**" Those comments are very helpful improving our paper. We have carefully revised the manuscript according to the points as follows.

Suggested changes:

Line 17 (abstract): Should be changed to "sugar compound and amino acid (AA) pools"

Answer: Thank you for your suggestion. It has been corrected. "evaluate their contributions to the total sugar compound and amino acid (AA) pool in different regions"

Line 28 (abstract): I would suggest changing the word order to be "These suggest that plant and soil sources, as well as biomass burning (BB), provide important contributions ..."

Answer: Thank you for your suggestion. The word order has been changed as your suggestion. "These suggest that plant and soil sources, as well as biomass burning (BB), provide important contributions to aerosol sugars and CAAs in three areas."

Line 54: Suggest changing to "Organic aerosols (OA) are an important topic of study, because ..."

Answer: Thank you for your suggestion. It has been corrected as your suggestion.

Line 87: Remove the word "obviously"

Answer: Thank you for your suggestion. "obviously" has been deleted.

Line 89: Change "Till now" to "Until the present, few studies ..."

Answer: Thank you for your suggestion. It has been revised.

Line 130: Your response to the reviewer related to this line was important. Please add a sentence or two here.

Answer: Thank you for your suggestion. Two sentences have been added. "The sampling period in this study is 6 months before the outbreak of the COVID-19 pandemic. PM_{2.5} samples collected in this study are not pre- or post-epidemic samples."

Line 136: Does pre-combusted mean "pre-baked"? Pre-combusted would imply they were burned (like a combustion engine)

Answer: Thank you for your suggestion. It has been changed to "After the sampling the filter was recovered into a pre-baked glass jar with a Teflon-lined screw cap"

Line 140: The first sentence in this line is incomplete. Please correct.

Answer: Sorry for our unclear description. The first sentence in this line was rewritten. "The field blank samples were collected using a modified method described by Chow et al. (2010)."

Line 352: Please add a sentence along the lines of what you explained to the referee about the justification of the 4 groups.

Answer: Thank you for your suggestion. A sentence was added to explain why AAs were divided into four groups. “Since the composition profiles of aerosol CAAs highly depended on the composition profiles of CAAs in major emission sources (Abe et al., 2016), the CAA species predominant in this primary biological source may positively correlate with molecular marker of this emission source and exhibit a similar temporal variation pattern of the specific molecular marker.”

Line 548: Please change to "Levoglucosan has been frequently used as a tracer for biomass burning ..."

Answer: Thank you for your suggestion. It has been corrected.

The new Sections 3.3 and 3.5 could use a bit more work to refine the grammatical language.

Answer: Thank you for your suggestion. We have carefully revised grammatical mistakes in the new sections 3.3 and 3.5.

The title is still a bit confusing. I would suggest changing to something like: "Characterization of sugars and amino acids in atmospheric fine particulates and related to local primary sources"

Answer: Thank you for your suggestion. The title has been revised to “Measurement Report: Characterization of sugars and amino acids in atmospheric fine particulates and related to local primary sources”

Yours sincerely,

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