**APPLIED CHEMICAL ENGINEERING**

20-Mar-23

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##### Dear Editors,

Thank you very much for giving me the opportunity to revise my manuscript.

I have tried to respond the reviewer’s reports which is stated below:

**Reviewer 1:**

1. In the entire manuscript, change µg/g to µg g−1.

= in the entire manuscript, the necessary changes were made from µg/g to µg g−1.

2. In the last paragraph of introduction, a scientific hypothesis needs to be given.

= in line number 68-76, the hypothesis has been stated.

3. It is recommended that the line and page numbers can be added when the manuscript is

submitted.

= the line and page numbers have been added accordingly.

4. In results and discussion, the sub-sections may be given.

= 3 sub-sections have been added in the results and discussion sections.

5. Why the concentration of Mn in tea leaves is higher than other metals.

= the explanation is given in the line numbers 247-254.

6. Health risk assessment via tea infusion intake may be considered.

= health risk assessment has been added in the line numbers 116-142 and 287-322.

**Reviewer 2:**

1. The validation parameters of the method for determining metals in the tested samples should be provided.

= validation parameters are provided in line numbers 143-146 and 281-286.

2. The table presenting the results should include the concentration of metals in the infusions (ug/ml) and, respectively, conversion to the content of tea leaves in a portion of tea (ug/g) and the extraction efficiency of the tested metals during the tea brewing process (%) in relation to the initial total content of these elements in tea leaves.

= table 6 and 7, line numbers 323-340.

3. The risk associated with the consumption of the tested metallic elements with tea infusions should be estimated, taking into account statistical data on the consumption of such infusions in Bangladesh.

= line numbers 116-142 and 286-322.

4. Comparing the results of the content of the tested metallic elements to the highest permissible concentrations recommended by the WHO for water raises some doubts. Water consumption is much higher than consumption of tea infusions. Such comparisons must be carefully explained, pointing to differences in water consumption and tea infusions.

= line numbers 263-271 and 314-318 (reference has also been provided).