15- June -2020

To

**Prof Grzegorz Wegrzyn**

**Editor-in-Chief**

**Microbial Cell Factories**

**Ref:** Submitting to the special issue of “Microbial Glycobiotechnology article collection"

Dear Editor:

I have attached the manuscript ‘**Formulation of traditional Chinese medicine and its application on intestinal flora of constipated rats**’ for the favor of review and application in Microbial Cell Factories

I affirm that：

1. All the authors mutually agree to submit the manuscript to Microbial Cell Factories
2. This is the original research work of the authors
3. The manuscript was not previously submitted to Microbial Cell Factories
4. This manuscript contains total 30 text pages with 6227 words, 4 figures and 1 table as well as one supplementary file.
5. No conflict of interest exists in the submission of this manuscript, and manuscript is approved by all authors for publication.

I would like to declare on behalf of my co-authors that the work described was original research that has not been published previously, and not under consideration for publication elsewhere, in whole or in part. All the authors listed have approved the manuscript that is enclosed.

**Research Highlights:**

In this study, the self-extracted constipation treatment of traditional Chinese medicine extracts was applied to constipated rats. Constipation is a common gastrointestinal disease, and has a certain relationship with colon cancer, heart, and brain vessels. The imbalance of intestinal flora plays an important role in the pathogenesis of chronic constipation. Chinese medicine has the advantage of small side effects gradually exert its important role. We found that the relative abundance of *Firmicutes* in the intestinal flora of rats with constipation was significantly higher than that in the control group, and after taking a certain dose of Chinese medicine the relative abundance of *Lactobacillus* greatly increased. We speculated that the effect of traditional Chinese medicine on constipation may be positively related to the proliferation of *Lactobacillus.* This study provides a theoretical basis for the treatment mechanism and effect of traditional Chinese medicine on constipation.

We deeply appreciate your consideration for our manuscript, and we look forward to receiving comments from the reviewers.

Thank you and best regards.

Yours sincerely,

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