

Response to Reviewer comments (Manuscript No. EGUSPHERE-2024-3602)

This is a revised manuscript of No. **EGUSPHERE-2024-3602_R3**. The manuscript has been revised, and the responses to the comments have been addressed as below.

Dear Editor

We are grateful to the Editor and reviewers again for taking the time to review our manuscript. We deeply appreciate the reviewer's valuable comments, suggestions, and questions to improve our manuscript. Please find below our itemized responses to these suggestive questions. We have revised our manuscript according to the Editor and reviewers suggestions and hope our responses will be satisfactory and the manuscript has been improved significantly. We hope the revised manuscript will fully meet publication standards in your journal after this minor revision.

Comments from the Executive Editor:

Dear authors,

Please follow the advice of the topical editor regarding the minor technical corrections he mentioned.

Response: We sincerely appreciate the time and effort of the executive editor. We have corrected the minor technical errors in the revised file. We hope that after this correction manuscript now fully meets the publication standards of your esteemed journal.

Comments from the Handling Editor

Thank you for adjusting the manuscript according to the comments of reviewer 3 and for preparing the new supplement.

I accept it, but I suggest you include the following two technical corrections prior to publication:

Please still define the abbreviations for the treatments (i.e., CK, 5Y_RF, etc.,) in the table 1 heading and in all figure captions where they occur. This will help readers to understand the figures without having to refer to the text.

Response: Thank you very much for your suggestion. We have added the mentioned abbreviations in table. 1, and all the figure captions where these abbreviations occur.

2) Please refer to the supplemental tables in the figure captions.

Response: Thank you for your feedback, we agree with your correction added supplementary table details in each figure caption. Please see the revised file.

