

Dear Editors,

We are grateful for the conditional acceptance of our manuscript and the opportunity to make minor revisions as suggested. Changes made in the revised manuscript (except language) are highlighted in yellow. Here are, point by point, our comments to reviewers' reports and editorial requests and suggestions.

REVIEWERS COMMENTS:

Reviewer #1:

Scientific Quality: Grade A (Excellent)

Language Quality: Grade A (Priority publishing)

Conclusion: Accept (High priority)

Specific Comments to Authors: Nice paperwork, well documented and interesting. The references extensive and new.

-Thank you.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: The topic of the paper is novel and innovative. By reading and analyzing a large number of literatures, Post-translational modifications (PTMs) design a network of molecules with the common protein ancestor but with slightly or considerably varying activity/localization/purpose. PTMs can change under pathological conditions giving rise to aberrant or over-modified proteins. The positive results obtained have a good reference value for academic research on the treatment of chronic liver disease and liver cirrhosis in the future. This paper is recommended for inclusion.

-Thank you. Minor language polishing was performed by professional English language editing company.

Reviewer #3:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: Excellent review with only minor language corrections.

-Thank you. Minor language polishing was performed by professional English language editing company.

EDITORIAL OFFICE'S COMMENTS

(1) Science editor:

Thank you for your contribution to the WJG.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade B (Very good)

-Thank you. Minor language polishing was performed by professional English language editing company.

(2) Company editor-in-chief:

I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Gastroenterology, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Please provide decomposable Figures (in which all components are movable and editable), organize them into a single PowerPoint file. Before final acceptance, when revising the manuscript, the author must supplement and improve the highlights of the latest cutting-edge research results, thereby further improving the content of the manuscript. To this end, authors are advised to apply a new tool, the Reference Citation Analysis (RCA). RCA is an artificial intelligence technology-based open multidisciplinary citation analysis database. In it, upon obtaining search results from the keywords entered by the author, "Impact Index Per Article" under "Ranked by" should be selected to find the latest highlight articles, which can then be used to further improve an article under preparation/peer-review/revision. Please visit our RCA database for more information at: <https://www.referencecitationanalysis.com/>.

-Thank you for the conditional acceptance.

-As requested, decomposable Figure in PowerPoint with all of its elements editable and movable is provided.

Also, as suggested, the Reference Citation Analysis tool was applied to search for the latest articles regarding the topic of our mini-review paper. Using this tool, we found several appropriate references and included them without changing the content of the text (references number 7, 77, 103, 111 and 112). We also added two new sentences in the text incorporating relevant findings, accompanied by new references (number 11 and 48).

All references were revised and there are no more than 3 references from the same journal.

English language corrections were made by the suggested professional English language editing company "Filipodia".

We hope that revised version of our manuscript is acceptable for publication in *World Journal of Gastroenterology*. If anything else is needed from our part, please let us know.

Kind regards,

Dr Nikola Gligorijević

Department for Metabolism

University of Belgrade – Institute for the Application of Nuclear Energy

e-mail: nikolag@inep.co.rs