Review Form 1.6

Journal Name:	**European Journal of Nutrition & Food Safety**
Manuscript Number:	**Ms_EJNFS_92320**
Title of the Manuscript:	**De novo gastric acid secretion mediated by dietary acrylamide induced oxidative stress in stomach tissue of experimental rats**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(https://www.journalejnfs.com/index.php/EJNFS/editorial-policy)

Review Form 1.6

PART 1: Review Comments

<table>
<tr><th></th><th>Reviewer’s comment</th><th>Author’s comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</th></tr>
<tr><td><u>Compulsory</u> REVISION comments</td><td>
Article:
De novo gastric acid secretion mediated by dietary acrylamide induced oxidative stress in stomach tissue of experimental rats
Manuscrip Number: Ms_EJNFS_92320

<table>
<tr><th>Section</th><th>Reviewer's Comments</th></tr>
<tr><td>Background</td><td>The researchers should justify for doing this (repeated) study</td></tr>
<tr><td>Materials and Methods</td><td><u>Experimental Design</u>
• Allocation of rats into 3 groups: should be a clear information regarding random allocation procedure
• It should be an information regarding the blinding
• There should be a statement from researchers that 15 rats (or 5 per group) is required based on basis of experimental design
• It should be a brief information regarding the composition of standard rat diet and researchers should state that standard rat diet as well as various feed and drinking water are free from acrylamide
• Although the acrylamide doses have beed reported to compromise gastric mucosa integrity according to the previous study, researchers should give reason for using two kind of acrylamide doses of 7.5 mg/kg and 15 mg/kg respectively
• Describe the procedure if the animals were be euthanased and specify if the animal tissue will be available to be shared with other investigators
<u>Determination of dietary intake</u>
• Researchers should clearly define the "various feed", it is experimental feed or other feed or combined. Moreover, W1 (50 mg/24 h) is total feed or experimental feed?
<u>Determination of gastric acid secretion and gastric acidity</u>
No
<u>Determination of stomach tissue oxidative stress biomarkers</u>
No
<u>Statistical Analysis</u>
No</td></tr>
<tr><td>Results</td><td><u>Dietary intake</u>
No
<u>Gastric acid secretions and gastric acidity mediated by dietary acrylamide</u>
Figure 1: consists of two figures. It should be differentiated to Figure 1A (for Gastric acid secretion) and Figure 1B (for Gastric acidity (pH)). Adding information regarding statistical methods of ANOVA + Boneferroni in the figure is also recommended.
<u>Oxidative stress in stomach tissue mediated by dietary acrylamide</u>
Figure 2: Same recommendation as Figure 1 (A, B, C, and D)</td></tr>
<tr><td>Discussion</td><td>• Reseachers should make a relevant comparison regarding the specific results of the study (levels of gastric acid secretion and acidity, MDA, SOD, GPx, CAT) with the previous studies and analyze the different</td></tr>
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</td><td></td></tr>
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		or similar results • It is recommended a description of strength and weakness of this study and suggestion of future study if applicable • A description of implementation of the results of this study on clinical practice in human is also recommended	
Minor REVISION comments			
Optional/General comments			

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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