

Submission 1014. Peer-review process

Reviewer A

Round 1

1. Does the paper comply with the scientific quality standards of its field? *

Yes

No

2. Are the methods described in detail, so that the experiments are reproducible? *

Yes

No

3. Is the statistical analysis of the data appropriate and technically sound? *

Yes

No

4. Are the claims/statements/conclusions fully supported by results? *

Yes

No

Partially

5. Are the claims/statements discussed rigorously, in the context of previous scientific literature and knowledge of the field? *

Yes

No

6. If your recommended decision is to reject the manuscript in its actual version, is the study promising enough as to encourage the authors to re-submit after a major revision? *

Yes

No

7. Is there any ethical concern related to experimental subjects (i. e. animals, humans)? *

Yes

No

8. Is there any evidence of manipulation of figures or images that compromise the scientific quality or reliability of the paper? *

- Yes
 No

9. Is the paper clearly written, following standard scientific English? *

- Yes
 No

10. Have the authors made all experimental data fully available to readers?

This requirement can be accomplished through either supplementary files or by depositing data on public repositories. *

11. Based on paper content and your global appraisal of it, indicate the type of publication that best fits the manuscript.

- Original research article
 Short communication
 Review

Peer-reviewed comments

This work is related to the evaluation of the effect of fermentation on two diets based on vegetable protein (soybean and canola) to completely replace fish protein in shrimp feed. The article can be an interesting contribution as an alternative protein source that beneficially promotes shrimp production and meat quality. Consideration should be given to reviewing some variables of growth performance, language, and the author's guide before the article can be considered for publication. Some other comments are also made on specific issues.

Summary

The abbreviations of the terms should be corrected and presented correctly throughout the document. All statistical procedures should be properly described.

Specific comments (L = line):

Abstract

The title should be included the term "in shrimp".

L11 Please define HD

L14 Add P-value

L17 Please define WHC

L18 Add P-value

Introduction

L25 Delete “)” in the reference.

L26 Delete “)” in the reference and correct the letter type.

L41-42 Required references

L52 Delete $P < 0.05$

L37-38 and L54-55 Given the relevance of fermentation in soybean and canola meals, the benefits of this process should be described in greater detail.

L55 Correct the letter type of reference

L59 Add the value (% protein).

M&M

L83 Please add section / information on the amount of food provided to the shrimp, and the time(schedule) at which the food was provide.

L87-88 Other relevant variables for shrimp performance could be include in the evaluation of diets such as: specific growth rate, food conversion ratio, protein efficiency ratio, apparent net protein utilization. Add the formulas.

L99 *Saccharomyces cerevisiae* should be written in italics type.

L99 Write 3×10^6 cells/g instead 3×10^6

L100 Write h instead hours

L129 HD instead DH, correct the abbreviature through the document.

L129 Correct the letter type of reference

L143 Correct the letter type of reference

L148-L149 Defined abbreviation in the formulas

L189 Write min instead minutes

L203 Plead place the year intro parenthesis

L227 Defined abbreviation in the formula (v1, v0)

L239 Add quality attributes instead quality. The statistical analysis of digestive enzyme activity is not defined.

L240 Please include and define the parameters of statistical model: $Y_{ij} = \mu + \alpha_i + \beta_j$

Results & Discussion

L254 L99 *S. cerevisiae* should be written in italics type.

L267 Correct the reference style and delete “)”.

L272 DC or CD. Correct the abbreviature throughout the document.

L296 Correct the format of the reference.

L298 *S. cerevisiae* should be written in italics type

L298 This line “Considering that *S. cerevisiae* has a complete enzyme package (with several types of lipases, proteases and carbohydrases)” require a reference.

- L314 The growth performance required additional variables to evaluate the effect of the diets. Consider adding the previously indicated variables. Also, these variables could be related with the protein content and digestibility
- L330-338 Correct the format of the references.
- L351 Correct the format of the references.
- L358 DC or CD. Correct the abbreviature throughout the document.
- L360 Explain the results of sensorial analysis.

Figures & tables

- Figure 1 Add superscript into the graph to denote the statistical significance.
- Table 5 Add the formulas to calculate average weight gain and survival rate.

References

Please review the reference style.

Completed: 2021-12-01 08:00 PM

Recommendation: Revisions Required

ANSWERS TO REVIEWERS

Reviewer (R): This work is related to the evaluation of the effect of fermentation on two diets based on vegetable protein (soybean and canola) to completely replace fish protein in shrimp feed. The article can be an interesting contribution as an alternative protein source that beneficially promotes shrimp production and meat quality.

Authors (A): **Thanks**

R: Consideration should be given to reviewing some variables of growth performance, language, and the author's guide before the article can be considered for publication. Some other comments are also made on specific issues.

A: **The article has been reviewed and the comments have been taken into account.**

R: Summary: The abbreviations of the terms should be corrected and presented correctly throughout the document. All statistical procedures should be properly described.

A: **Done**

R: Specific comments (L = line):

Abstract

R: The title should be included the term "in shrimp".

A: **Done**

R: L11 Please define HD

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R: L59 Add the value (% protein).

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M&M

R: L83 Please add section / information on the amount of food provided to the shrimp, and the time(schedule) at which the food was provide.

A: Done

R: L87-88 Other relevant variables for shrimp performance could be include in the evaluation of diets such as: specific growth rate, food conversion ratio, protein efficiency ratio, apparent net protein utilization. Add the formulas.

A: Yes, we appreciate the Reviewer comment, however, this project is part of a larger project and the performance variables are being analyzed all together for another publication. This manuscript is focused on shrimp quality and we only used the performance variables necessary to demonstrate the viability of vegetable sources of protein in shrimp feed and that, for such purposes, the ones in the article were considered sufficient.

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A: Done

Figures & tables

R: Figure 1 Add superscript into the graph to denote the statistical significance.

A: Done

R: Table 5 Add the formulas to calculate average weight gain and survival rate.

A: Done

References

R: Please review the reference style.

A: Done

Reviewer A

Round 2

On February 9, 2022, authors upload corrected version of author and reviewer A reviews in round 2

Comments to the editor. Please, include a brief report stating your general appraisal of the paper. Provide the reasons that support your recommended decision of acceptance, rejection or downgrading the paper to a research note.

Reviewer answer:

I consider this manuscript should be accepted as an original research article since it counts with the elements that support this research. None additional comments were made.

Completed: 2022-02-22 11:12 PM

Recommendation: Accept Submission

Editor decision

To: "MARIA SALUD RUBIO LOZANO" <msalud65@gmail.com>, "Rafael Escobar" <rafaelescobar51@gmail.com>, "Juan Carlos Maldonado" <carlos_maldonado@ciencias.unam.mx>, "Gabriela Gaxiola" <mggc@ciencias.unam.mx>, "Enrique Jesus Delgado" <enriquedelgado.suarez@gmail.com>

Subject: [Vet Mex] Editor Decision

MARIA SALUD RUBIO LOZANO, Rafael Escobar, Juan Carlos Maldonado, Gabriela Gaxiola, Enrique Jesus Delgado:

Regarding your submission to Veterinaria México OA, "Effects of soybean and canola meals as dietary protein sources on the production performance and meat quality of shrimp", I am pleased to inform you that, based on reviewers recommendations, it has been accepted for publication.

The manuscript will enter now the copyediting stage (it may last several weeks). Journal staff will contact you in case of adjustments to the document are needed, as well as to seek your approval of the final proof.

Thank you for publishing your work in Veterinaria México OA. We hope to have further contributions from you in the near future.

Enrique Jesús Delgado Suárez
vetmexicoa@gmail.com

Completed: 2022-02-24