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| Journal Name: | [**Journal of Advances in Microbiology**](https://journaljamb.com/index.php/JAMB) |
| Manuscript Number: | **Ms\_JAMB\_142153** |
| Title of the Manuscript: | **Identification of Key Amino Acid Residues in L-Proline Catabolic Enzymes from Gram-Positive Bacteria** |
| Type of the Article | **Research article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The research topic of the manuscript is good and satisfactory.** Identification of Key Amino Acid Residues in L-Proline Catabolic Enzymes from Gram-Positive Bacteria is an important criteria for the identification of  catabolic enzymes from gram positive bacteria. | Thank you. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | Thank you. |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **Yes** | Thank you. |
| **Is the manuscript scientifically, correct? Please write here.** | Yes | Thank you. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | More recent references must be added in discussion to support the manuscript. The references which are mentioned in the figures 2 and 4 must be updated. | I have added some additional references to the Conclusions. The references shown for Figures 2 and 4 are the correct ones for these diagrams. |
| **Is the language/English quality of the article suitable for scholarly communications?** | ok | Thank you. |
| **Optional/General** comments | The manuscript is well written. Some points must be added in the discussion portion about the findings of the study.  The materials and methods need more illustration of the data. Proper description of the diagrams is necessary with the software name and references. | I have expanded the Conclusions to include more information about substrate channeling in different biochemical systems and the key residues in other proline catabolic enzymes. I have also expanded the description of the Materials and Methods and cited the reference for the software that was used. However, I have not included any of the raw data. |

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| **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)* |  |