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| Book Name: | [Research Perspective on Biological Science](https://www.bookpi.org/bookstore/product/research-perspective-on-biological-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5150** |
| Title of the Manuscript:  | **Recent Developments in Diagnostic Methods and Treatment Approaches of Mastitis in Bovines** |
| Type of the Article | **Book chapter** |

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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 *(Please correct the manuscript and highlight that part in the manuscript. 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 manuscript offers an in-depth analysis of recent progress in diagnosing and treating bovine mastitis. Its exploration of novel diagnostic techniques and therapeutic strategies greatly enriches veterinary and animal health sciences. Considering the economic impact and welfare challenges associated with mastitis in dairy farming, this work is highly valuable to both researchers and practitioners. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The current title is suitable and effectively reflects the manuscript's content. However, for better clarity and precision, an alternative title is suggested: "Advancements in Diagnostic and Therapeutic Strategies for Bovine Mastitis." |  |
| 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. | The abstract provides a concise summary of the manuscript but could be improved. Including key findings on recent diagnostic tools and therapeutic advancements would enhance its depth. Efforts to make the abstract both concise and comprehensive are recommended. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is scientifically sound, well-structured, and logically presented. Its discussions are evidence-based and effectively integrate existing literature. However, relying more on recent, high-impact studies would further bolster its scientific validity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references are generally adequate, though a stronger emphasis on recent (last five years) research is encouraged. Adding references on molecular diagnostic methods and antimicrobial resistance in mastitis treatment would improve relevance. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript is professionally written, though minor grammatical and syntactical refinements could improve clarity and readability. A thorough proofreading would further enhance its academic polish. |  |
| Optional/General comments | Including a section on the economic impact of mastitis on dairy farming would emphasize the study's practical significance. Additionally, discussing emerging biotechnological innovations, such as genetic resistance and novel vaccine strategies, would add valuable depth. Defining abbreviations on first use would improve accessibility for a broader audience. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Girma Zewdie Delelegn, National Veterinary Institute & Addis Ababa University, Ethiopia**