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| Book Name: | [**Current Research Progress in Agricultural Sciences**](https://www.bookpi.org/bookstore/product/current-research-progress-in-agricultural-sciences-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5012** |
| Title of the Manuscript: | **Genetic Strategies for Mitigating the Effect of Climate Change on Livestock Genetic Resources** |
| 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.** | Climate change affecting animal health, productivity, and genetic diversity therefore effective solutions to lessen these effects and improve the resilience of cattle genetic resources very much needed. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** |  |
| 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. | Resilience traits like heat tolerance, disease resistance, feed efficiency and drought resistance have not been mentioned in abstract. |  |
| **Is the manuscript scientifically, correct? Please write here.** | In many paragraphs same author and year reference has been added one after another , as it look like duplication of references. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **1 ) Instead of department of animal science reference it should be written as ( Ahmadu et al., 2016 ) and in references section write as**  **Ahmadu, A. & Kubkomawa, I. & Abubakar, Nafisa & Sini, T. & Chama, J. & Gapsiso, R. & Adamu, Muhammed. (2016). Characterization and conservation of indigenous livestock genetic resources for wealth creation in tropical Africa: A review. Journal of Animal Science and Veterinary Medicine. 1. 51-59. 10.31248/JASVM2016.011.**  **2)** Eswaran, S., Anand, A., Lairenjam, G., Mohan, G., Sharma, N.,….. reference has been mistakenly written in italic font, correct it.  **3)** the Climgen Consortium is not necessary instead reference should be start with Strandén, I., Kantanen, J., Russo, I.-R.M., Orozco-terWengel, P., Bruford, M.W., 2019. Genomic selection strategies for breeding adaptation and production in dairy cattle under climate change. Heredity 123, 307–317. https://doi.org/10.1038/s41437-019-0207-1 |  |
| Is the language/English quality of the article suitable for scholarly communications? | YES |  |
| Optional/General comments | 1 ) On page 2 in (Minta et al., 2022) reference a small squre is appearing after Minta, correct it.  2 ) On page 3 instead of (Assefa, H., 2019) correct it to (Assefa , 2019)  3) On page 5 after reference (Ahmed et al., 2024; Ramón et al., 2021) [6]. , the number 6 in bracket appearing , remove it.  4) On page 6 selecting for physiological traits that enhance heat dissipation (Karri and Nalluri, 2023)[1].; the number 1 in bracket appearing , remove it. |  |

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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)* |  |

**Reviewers:**

**Rajesh Sudhakar Wakchaure, India**