

# Review of: "Comparative Analysis of Sustainable Livestock Development as a Source of Livelihood to Farmers of Maharashtra and Jammu and Kashmir"

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Potential competing interests: No potential competing interests to declare.

## **Title: Comparative Analysis of Sustainable Livestock Development as a Source of Livelihood for Farmers in Maharashtra and Jammu and Kashmir**

Here is my expertise on the article titled "Comparative Analysis of Sustainable Livestock Development as a Source of Livelihood to Farmers of Maharashtra and Jammu and Kashmir":

This study examines the sustainable development of livestock and related challenges in Maharashtra and Jammu and Kashmir, India. The increasing demand for meat and milk in these regions strains natural resources, particularly land allocated for animal feed production. Livestock production has the potential to surpass other agricultural activities economically but faces obstacles such as deforestation, overgrazing, and waste management issues. Addressing these challenges requires policies targeting underlying causes rather than just external symptoms. Moreover, setting livestock product prices should consider demand for sustainable development. Technological advancements can enhance resource efficiency and increase livestock production.

1. The article is important for the scientific community as it addresses a crucial topic: sustainable livestock development as a source of livelihood for farmers in two key regions of India. The research examines the challenges and opportunities in these regions, which could provide valuable insights for policymakers, researchers, and practitioners working in the field of agriculture and rural development.
2. The title of the article is suitable as it clearly describes the content of the study. However, for added precision, it could be slightly modified to something like "Comparative Analysis of Sustainable Livestock Development as a Source of Livelihood for Farmers in the Maharashtra and Jammu and Kashmir Regions of India."
3. The abstract of the article is well-written and provides a comprehensive overview of the research. It addresses the main points covered in the study, including the challenges and opportunities related to livestock development in the two regions studied.
4. The subsections and structure of the article appear appropriate, offering clear and logical organization of the content. This facilitates the reading and understanding of the article.
5. Scientifically, the article seems sound, addressing several important aspects of livestock development, such as animal

population dynamics, adoption of crossbred animals, growth of veterinary institutions, challenges, and prospects of livestock farming, etc. However, as with any research, thorough peer review would be necessary to confirm the scientific validity of the presented conclusions.

## 6. References :

The article concludes by referencing various scholarly works and research studies that provide insights into livestock development, agricultural economics, and related policy frameworks.

Overall, the article provides a comprehensive analysis of sustainable livestock development in Maharashtra and Jammu and Kashmir, highlighting key challenges and opportunities for the sector's growth.

These references seem adequate and recent, covering a range of relevant studies and research in the field of livestock and rural development in India. **However, a few additional references could be added to further strengthen the argumentation of the article.**

## 7. The quality of English language :

In this article, the language appears suitable for scholarly communication. However, as with any scientific publication, careful proofreading to correct any potential grammatical and stylistic errors would be beneficial before final submission.

Examples to be corrected :

### 1. Abstract:

- ...natural resource base ----- ...natural resources base
- ...overgrazing, and degradation, ----- ...overgrazing, and degradation.
- livestock specie-mix ----- livestock species mix

### 2. Introduction:

- husbandry, which has been sustainably contributing ----- husbandry, which has been sustainably contributing
- Joanne Millar and Viengxay----- Joanne Millar and Viengxay
- rising living standards (Joanne Millar and Viengxay, 2011). ----- rising living standards (Joanne Millar and Viengxay, 2011; Binswanger and Deininger, 1997; LID, 1999; ILRI, 2003; IFAD, 2004).

### 3. Livestock Population Dynamics:

- Planning Commission, 2019; ----- Planning Commission, 2019).

### 4. Adoption of Cross-bred/Improved Animals:

- agro-ecological ----- agroecological

- Table 2). -----Table 2).

#### 5. Growth of Veterinary Institutions:

- plan allocation,-----plan allocation.

- Tables 6 and 7).-----Tables 6 and 7).

#### 6. Planning and Fiscal Support:

- initiatives have improved animal comfort,-----initiatives have improved animal comfort.

- the breeding strategy for a particular species.-----the breeding strategy for a particular species).

#### 7. Prospects for Livestock Farming:

- structural shift in food consumption-----structural shift in food consumption.

- FAO, 2018)-----FAO, 2018).

- Huang and Bouis, 1996;-----Huang and Bouis, 1996).

- Table 5)-----Table 5).

- access to infrastructure and technology,-----access to infrastructure and technology.

- Livestock is a vector-----Livestock are vectors

- losses in output.-----losses in output).

- conservation policy, scientific-----conservation policy, scientific

- CPR's conservation policy-----CPR's conservation policy,

- concerns, animal welfare,-----concerns, animal welfare.

- Livestock sector in Maharashtra and Jammu and Kashmir-----Livestock sector in Maharashtra and Jammu and Kashmir,

- periodic reporting of disease occurrence.-----periodic reporting of disease occurrence).

#### 8. Conclusion and Future Strategy:

- Level Surveillance System;-----Level Surveillance System).

- economically significant diseases such as para tuberculosis,-----economically significant diseases such as paratuberculosis,

- conservation, and market access are vital-----conservation, and market access are vital.

These corrections aim to improve the accuracy and clarity of the article.

**-Conclusion about the article :**

In summary, the article appears to be a significant contribution to the literature on sustainable livestock development in India, addressing important issues for the scientific community and rural development practitioners.

**I think the article would be accepted with minor corrections**