Reviewer Report

Manuscript ID: "animals-2951086"
Title: Factors Affecting the Milk Production Traits and Lactation Curve of the Indigenous River Buffalo Populations in Bangladesh

General comment about the manuscript for author(s):

Dear author(s),
You can find my comments about your peer-reviewed manuscript, which ID is "animals-2951086", in the Animals. I examined your manuscript again within the scope of the your revised manuscript file and I will take some notes from section to section with the line number, separately.
Best Regards.

Comments for Introduction

- **Line 68:** You added a sentence as given below. However, this expression needs a citation. Please provide this revision again.

"To increase profitability of dairy buffaloes, it is necessary to know the factors affecting their milk production and reproduction ability."

- **Line 74:** You expressed "those investigators". Which "investigator", please emphasize these investigators with the citations.
- **Line 84:** In your revised manuscript, this sentence is incomprehensible. Please re-write. In addition, please provide these information with the references as given below:
    - "Why the lactation curve is important?"
    - "Which lactation curve models can be used?"
    - "Which one is useful for different situations?"

Comments for Material and Methods

- **Line 110:** You rewrote your ethics statement. However, I think that adding one more sentence within the scope of animal welfare regarding the data collection process will enable the article to be evaluated from a more transparent perspective.
- **Line 184:** In addition to the reference to the "agricolae" package, another reference to the version of the R program you used needs to be added.
- **Line 211:** There is no need this expression "using the R package (https://www.r-project.org)."

Comments for Results

- **Line 307:** In Table 3, the CV (%) values are so high. This shows that the variability is very high. But what could be the reason for such high variation? It would be better if you could mention this situation while interpreting Table 3. In addition, one of your titles was SDM, as shown in Table 3. However, you mentioned the SEM in the footnotes of this Table. Please check these expressions again.

Comments for Discussion

- Please expand your discussion section. In particular, you should compare Woods lactation curve algorithms with those used in other references.