Review of: "Exploring the Impact of Reaction-Diffusion on an Ecological Diversity Mathematical Paradigm for Understanding Hantavirus Infection Dynamics"

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Potential competing interests: No potential competing interests to declare.

The work is commendable and merits consideration for publication following the incorporation of the changes and modifications outlined below:

There are many grammatical mistakes and typos. Please revise the entire work to correct these errors. Check the abstract for poor sentences.

Improve the introduction section by including the significance and objectives of the work more clearly.

Why is the current work better than the existing work? The introduction section is not well written. I recommend revising it.

How can this work help the scientific community? I recommend writing the text in a more scientific way.

Improve the introduction with the following recent work:Qualitative analysis of the transmission dynamics of dengue with the effect of memory, reinfection, and vaccination,, Fractional-order dynamics of Rift Valley fever in ruminant host with vaccination,,, Dynamical analysis, infections in plants, and preventive policies utilizing the theory of fractional calculus,, Mathematical modeling and stability analysis of the dynamics of monkeypox via fractional-calculus,,, A robust study to conceptualize the interactions of CD4+ T-cells and human immunodeficiency virus via fractional-calculus ,,,

There are so many typos and mistakes in the analytic work; I recommend checking the overall work for typos and other mistakes.

Check the main results of the work for accuracy and consistency.

Write the work in a scientific way?

Include the work: Enhancing public health strategies for tungiasis: A mathematical approach with fractional derivative, Fractional view analysis of the impact of vaccination on the dynamics of a viral infection,, Dynamical behaviour of HIV Infection with the influence of variable source term through Galerkin method ,,, Transmission dynamics of Hand–Foot–Mouth Disease with partial immunity through non-integer derivative,,, Mathematical analysis of the transmission dynamics of viral infection with effective control policies via fractional derivative

In the conclusion section, focus on the findings/results of your work. I recommend mentioning future work if possible.

Check that all the references are cited in the work. Also, check that the references are in a uniform style.

Check the overall work for poor sentences and rephrase it.

Concluding Remarks: After the above changes and modifications, I will be happy to recheck the work for recommendations.