

[ReviewForm2](#)

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| BookName: | ContemporaryResearchandPerspectivesinBiologicalScience |
| ManuscriptNumber: | Ms_BPR_2901 |
| Titleof the Manuscript: | PrincipalFeaturesoftheEpidemiologyofAujeszky'sDisease–Suidherpesvirus1Infection –inSwineand Cattle. |
| TypeoftheArticle | Bookchapter |

PART1:ReviewComments

| Compulsory REVISIONcomments | Reviewer'scomment | Author'sFeedback (Pleasecorrectthemanuscriptandhighlightthatpart inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here) |
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| Please write a few sentences regarding the importance ofthismanuscriptforthescientificcommunity.Whydo youlike(ordislike)thismanuscript? Aminimumof3-4 sentences may be required for this part. | I find the title highly compelling as it highlights a major challenge facing the livestock industry. Furthermore, Aujeszky's Disease, caused by the Suid herpesvirus 1 infection, has significantlyimpededtheeconomicprogressoflivestockbusinesses,especiallythoseinvolved with cattle and swine. The impact of this disease has not only disrupted production but also created financial strain on companies within the livestock sector. Thus, working on the epidemiologyof thediseaseplays a great roleforthe preventionandcontrolofthe disease. | |
| Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle) | Yesthe titleis ok forme,butImadealittlemodificationsas :KeyAspects of the EpidemiologyofAujeszky'sDisease–SuidHerpesvirus1Infection–inSwineandCattle: A Thorough Review | |

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| <p>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.</p> | <p>I believe the abstract is overly lengthy, making it difficult to follow and comprehend the key points. It lacks proper organization and clarity. An abstract should be concise and focused, ideally not exceeding 360 words. I've drafted a more concise version as a suggested improvement.</p> <p>Aujeszky's disease, also known as Suid herpesvirus 1 (SuHV1) infection, primarily affects pigs but can also infect a range of other animal species under specific conditions, often leading to fatal outcomes. The disease has been prevalent worldwide, but successful eradication efforts have been made in several countries, with Denmark standing out as a pioneer in both intensive research and comprehensive eradication programs. Denmark was the first country to begin eradicating Aujeszky's disease and succeeded in completely eliminating the native infection. In cattle, Aujeszky's disease typically manifests through intense pruritus (severe itching), with symptoms depending on the route of infection. In respiratory cases, pruritus generally appears around the head and chest, while genital infections lead to itching in the hindquarters, particularly in female cattle. Despite the severity of the symptoms, respiratory infections in cattle are often considered "dead-end" cases, as the disease does not spread among cattle populations. However, high virus titers in some respiratory infections suggest that transmission, although rare, cannot be entirely ruled out. In swine, Aujeszky's disease was initially thought to be solely a respiratory infection for many years, until genital transmission was discovered in the 1980s. Airborne transmission is a significant concern in pigs, with the virus able to spread over distances of several kilometers due to ventilation systems in animal housing. This airborne spread, especially in densely populated areas, poses a serious threat to neighboring herds. Genital infections, often linked to the natural mating of sows with infected boars, further complicate the disease's epidemiology. The virus's ability to spread through both respiratory and genital routes makes it particularly difficult to control, and new strains with increased pathogenicity for both swine and cattle have emerged over time. The disease's impact on cattle, particularly in cases involving genital infection, has provided valuable insights into the broader epidemiology of Aujeszky's disease in swine. Overall, understanding the transmission dynamics between pigs and other animals remains essential for ongoing disease management and eradication efforts worldwide.</p> <p>The abstract lacks keywords: Put the keywords as well at the end of the abstract</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>This section of the paper is well-structured and presented in a creative and innovative manner, which I highly appreciate. However, the use of first-person pronouns throughout the section should be replaced with passive voice to maintain a more formal and objective tone. This adjustment would enhance the professionalism and readability of the paper.</p> | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p> | <p>The scientific robustness and correctness of the manuscript titled "<i>Principal Features of the Epidemiology of Aujeszky's Disease—Suid Herpesvirus 1 Infection—in Swine and Cattle</i>" rely on several key elements. First, it should include a comprehensive literature review covering global epidemiological data, transmission mechanisms, and the disease's impact on swine and cattle. Clear definitions of the disease's transmission pathways, including respiratory and genital routes, and species-specific clinical presentations are essential for accuracy. Evidence-based analysis, using peer-reviewed data and verified case studies, ensures scientific correctness. Transparent methodology for data collection, diagnostic methods, and outbreak tracking further enhances credibility. Additionally, comparing successful eradication</p> | |

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| | programs, such as Denmark's, with ongoing challenges elsewhere adds practical relevance. A critical discussion of the economic impact, risks of reintroduction, and control strategies will round out the manuscript, making it both scientifically sound and practically useful for disease management efforts. | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>⋮</p> | <p>The reference citation and arrangement at the end of the manuscript have not been presented properly. Adhering to a consistent citation style is essential for ensuring clarity and professionalism in academic writing. It is important that each reference is accurately formatted according to the chosen style guide, whether it be APA, MLA, Chicago, or another format. This includes details such as the order of authors, publication year, title of the work, and the source of publication. Additionally, the references should be organized in a logical manner, typically either alphabetically by the last name of the first author or numerically, depending on the citation style used. Inconsistencies in formatting can lead to confusion for readers and may detract from the overall credibility of the manuscript. Therefore, a thorough review of the reference list is necessary to ensure that all citations are complete, correctly formatted, and properly arranged. This attention to detail will enhance the manuscript's professionalism and ensure that it meets academic standards.</p> <p>And the references used in the manuscript are really old, and if it is possible could you include additional recent papers.</p> | |
| <p><u>Minor REVISION</u> comments</p> <p>Is the language/English quality of the articles suitable for scholarly communications?</p> | The language of the manuscript is stated moderately, and there should be the use of language editor experts. | |
| <u>Optional/General</u> comments | | |

PART 2:

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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