

**Review Form 3**

Journal Name:	<a href="#">Journal of Experimental Agriculture International</a>
Manuscript Number:	Ms_JEAI_126166
Title of the Manuscript:	<b>Medicinal Herbs and their Contribution to Maintaining Begomovirus in Burkina Faso</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript is significant for the scientific community as it addresses the crucial interplay between medicinal plants and viral infections, specifically begomoviruses, in Burkina Faso. By inventorying the medicinal herbs used for treating various diseases and identifying their role as potential hosts for these viruses, the study contributes valuable insights into both ethnobotany and virology. This research not only enhances our understanding of the ecological dynamics of plant-virus interactions but also raises awareness about the implications for public health and agricultural practices. I appreciate the manuscript's thorough approach to combining traditional knowledge with scientific inquiry, highlighting the necessity for ongoing surveillance of medicinal plants in the context of viral epidemiology.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The original title, "Medicinal Herbs and their Contribution to Maintaining Begomovirus in Burkina Faso," is</p> <p>A suggested title can be :</p> <p>Revised</p> <p>Title: "Role of Medicinal Herbs in Sustaining Begomovirus Populations in Burkina Faso: Therapeutic Implications and Ecological Insights"</p>	
<p><b>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.</b></p>	<p>The abstract of the article is largely comprehensive, effectively summarizing the key aspects of the study, including the significance of medicinal herbs in Burkina Faso, the research purpose, and the findings regarding begomovirus hosts. However, to enhance clarity and completeness, I suggest explicitly mentioning the methods used for inventorying the medicinal herbs and the sample size involved in the surveys, as this would provide a clearer understanding of the research scope. Additionally, including a brief statement on the implications of the findings for local health practices and agricultural systems would emphasize the relevance of the study. Overall, while the abstract is informative, these additions could strengthen its impact and provide a more rounded overview of the research.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections and overall structure of the manuscript appear to be appropriate for effectively conveying the research findings. The introduction clearly outlines the significance of the study and sets the stage for the research, while the methodology section details the surveys and analytical techniques used, providing transparency to the research process. The results are well-organized, presenting key findings in a logical sequence, and the discussion contextualizes these findings within the broader implications for medicinal plant use and viral epidemiology. However, to enhance clarity, it might be beneficial to include headings or subheadings that highlight the specific objectives or hypotheses being addressed, which would guide readers through the manuscript more smoothly.</p>	
<p><b>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.</b></p>	<p>This manuscript demonstrates scientific correctness and robustness through its systematic approach to investigating the relationship between medicinal plants and begomoviruses in Burkina Faso. The use of surveys to document the diversity of medicinal herbs highlights a thorough methodological framework, enabling a comprehensive understanding of local practices and their implications for viral transmission. Additionally, the incorporation of polymerase chain reaction (PCR) analysis for detecting begomoviruses in symptomatic plants adds a layer of technical rigor, ensuring that the findings are based on reliable and reproducible techniques. By linking the therapeutic significance of these plants to their potential role as virus hosts, the study contributes valuable insights to the fields of ethnobotany and virology, making it a scientifically sound and relevant piece of research.</p>	

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<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p> <p>-</p>	<p>The references in this manuscript appear to be sufficient in addressing the key aspects of the study, particularly in relation to the therapeutic significance of medicinal plants and their interactions with begomoviruses.</p> <p>Additional references that could enhance the manuscript include recent reviews on the role of medicinal plants in disease treatment, studies on the epidemiology of begomoviruses, and research on the conservation of medicinal plant species in the context of agricultural disease management. Specific suggestions might include:</p> <ol style="list-style-type: none"> <li>1. <u>Recent Reviews on Medicinal Plants</u>: Look for recent publications discussing the therapeutic properties of medicinal plants, especially those native to West Africa.</li> <li>2. <u>Epidemiology Studies</u>: Include studies that explore the epidemiology of begomoviruses in various host plants to provide context for the findings.</li> <li>3. <u>Conservation and Sustainability Research</u>: References that address the conservation of medicinal plants in agricultural settings could further enrich the discussion on sustainability and biodiversity.</li> </ol>	
<p><u>Minor</u> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language and overall quality of the English in the manuscript are generally suitable for scholarly communication; however, there are areas where clarity and precision can be improved. Here are some suggestions for enhancing the language quality:</p> <p><u>Clarity</u> : Some sentences may be overly complex or wordy. Simplifying sentences can improve readability. For example:</p> <ul style="list-style-type: none"> <li>• Original: "These medicinal herbs would be potential hosts of these viruses, hence the need to study them."</li> <li>• Revised: "These medicinal herbs may host these viruses, highlighting the need for further study."</li> </ul> <p><u>Transitions</u>: Improve the transitions between sections or ideas for a smoother flow. For example, instead of abruptly introducing a new topic, use transition phrases:</p> <ul style="list-style-type: none"> <li>○ Original: "Results show a large diversity of medicinal herbs hosting begomoviruses..."</li> <li>○ Revised: "In addition to the survey findings, our results indicate a significant diversity of medicinal herbs that host begomoviruses..."</li> </ul> <p><u>Proofreading for Grammar and Syntax</u>: A thorough proofreading session could catch minor grammatical errors or awkward phrasing. For example:</p> <ul style="list-style-type: none"> <li>○ Original: "These results highlight the involvement of medicinal herbs in the maintaining of begomovirus populations..."</li> <li>○ Revised: "These results highlight the role of medicinal herbs in maintaining begomovirus populations..."</li> </ul> <p>By implementing these suggestions, the manuscript can achieve a higher standard of language quality, making it more suitable for scholarly communication</p>	
<p><u>Optional/General</u> comments</p>		

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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