

Review Form 3

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| Journal Name: | South Asian Journal of Research in Microbiology |
| Manuscript Number: | Ms_SAJRM_128344 |
| Title of the Manuscript: | EVALUATION OF THE ANTIMICROBIAL ACTIVITIES OF PALM KERNEL OIL (<i>Elaeis guineensis</i>) AND CASTOR OIL (<i>Ricinus communis</i>) ON UROPATHOGENS |
| Type of the Article | Original Research Article |

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

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PART 1: Comments

| | Reviewer's comment | Author's Feedback (Please 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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| Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part. | Kernel oil (<i>Elaeis guineensis</i>) and castor oil (<i>Ricinus communis</i>) are widely recognized for their bioactive properties, and their potential to fight uropathogens presents an eco-friendly alternative to conventional antibiotics. With the rise of antimicrobial resistance, exploring natural remedies could provide new therapeutic options for urinary tract infections. Furthermore, this research contributes to understanding the medicinal applications of these oils, promoting their use in developing novel antimicrobial formulations. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | The title is quite descriptive, but it could be polished for clarity and conciseness, to eliminate redundancy by removing "Evaluation of," as the focus is clear from "Antimicrobial Activities." "Antimicrobial Activities of Palm Kernel Oil (<i>Elaeis guineensis</i>) and Castor Oil (<i>Ricinus communis</i>) Against Uropathogens" | |
| 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. | <ul style="list-style-type: none"> ✚ The abstract is comprehensive and well-structured, but there are areas where clarity, grammar, and formatting can be improved. Let see in detailed ✚ The aim could be stated more clearly to reflect the study's objectives and outcomes. Let say <ul style="list-style-type: none"> • This study investigates the antimicrobial activities of castor bean oil and palm kernel oil against uropathogens, focusing on their potential as alternatives for treating urinary tract infections ✚ In the area of place and duration add specific details to ensure clarity ✚ Reduce unnecessary details, focusing on essential methodologies ✚ The conclusion could highlight potential applications or limitations | |
| Is the manuscript scientifically, correct? Please write here. | ✚ The manuscript is scientifically correct, but revisions are necessary to enhance clarity, consistency, and scholarly rigor. A thorough grammar and formatting review is essential, along with additional quantitative data and deeper analysis in the discussion section | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | ✓ The references are generally sufficient, but incorporating additional systematic reviews, clinical trials, and targeted studies could make the research more robust and well-rounded. | |

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| <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>The language quality needs a few refinements to align with scholarly standards.</p> <ul style="list-style-type: none"> ✚ Minor issues with punctuation and spacing ✚ Phrases like "100% resistant" and "100% against" should be rephrased for precision let say "completely resistant" or "fully effective" ✚ Ensure consistent formatting of abbreviations. ✚ Space out units correctly | |
| <p>Optional/General comments</p> | <p>Were the temperatures standardized, and how might heating impact bioactive compounds? Consider adding quantitative data on temperature control. Include details on the duration and temperature of the extraction process for reproducibility.</p> <p>The ethical issues in the manuscript appear to have been addressed appropriately based on the content provided. However, some areas may benefit from further clarification or explicit mention to ensure full compliance with ethical standards.</p> <p>The manuscript states that informed consent forms were filled out by participants before sampling. However, it does not specify the type of consent obtained (written or verbal) or if the process was approved by an institutional ethics review board.</p> <p>The provided manuscript does not appear to have any immediate competing interest issues based on the content. However, it is important to formally declare any potential conflicts of interest to maintain transparency and ethical standards.</p> | |

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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| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

Reviewer Details:

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|---|--|
| <p>Name:</p> | <p>Maza Tadesse Ketema</p> |
| <p>Department, University & Country</p> | <p>Arbaminch University, Ethiopia</p> |