

Review Form 3

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

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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)
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.	<ul style="list-style-type: none"> • Lines 38 – 42: These are sentences without references (Provide references where appropriate) • The authors attempt to provide an introduction that covers the subject matter. However, this section of the manuscript could be improved by condensing and merging some paragraphs to achieve a better flow and a more concise introduction. <p>Several corrections and suggestions have been highlighted in the manuscript. Please review and make the necessary corrections</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	EVALUATION OF THE ANTIMICROBIAL ACTIVITIES OF PALM KERNEL OIL (<i>Elaeis guineensis</i>) AND CASTOR OIL (<i>Ricinus communis</i>) ON UROPATHOGENS For <i>Elaeis guineensis</i> and <i>Ricinus communis</i> : Specify their origin (Linn or Jacq) in the nomenclature of these oils.	
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.	This should be written to cover brief introduction and aim of the study, methodology, major findings, implications and recommendations	
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	<ul style="list-style-type: none"> • Check reference 15 and write correctly • 25 not seen in the manuscript • Check references to ensure they are cited in text and reference according e.g. Donado et al. 2021. 	

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<ul style="list-style-type: none"> • Lines 125 – 130: Plant Collection and Preparation: See highlighted corrections in the manuscript. • Line 131: R. communis and E. guineensis seeds oil extraction. <ul style="list-style-type: none"> ○ What quantity of plant material was used for extraction? ○ Provide an insight on the percentage yield of Oils after extraction. • Line 147: Urine Sample Collection and Processing (See highlighted corrections in the manuscript) <ul style="list-style-type: none"> ○ Provide details on the sampling techniques used, study population and ethical approval and considerations (Approval number) to carry out the study. • Line 161: Isolation of uropathogens <ul style="list-style-type: none"> ○ Cystein Lactose Electrolyte Deficiency (CLED) is the primary medium for differentiation and enumeration of microorganisms in Urine. ○ CLED plates yielding bacterial growth of $\geq 10^5$ CFU/mL of urine will be deemed as significant for bacteriuria according to the Infectious Diseases Society of America (IDSA) guidelines. ○ This will allow the comparison of positive UTI using both microscopy and culture method. • Line 167: Identification of the Isolated Uropathogens. <ul style="list-style-type: none"> ○ The acceptable sequence for the identification of bacteria starts from colonial morphology on different plates, Gram reactions that classify bacteria as G+ve or G-ve. This help in the further selection of biochemical reactions needed for identification. • Line 184: Plant extract concentration preparation <ul style="list-style-type: none"> ○ High concentration of DMSO have been reported to have antibacterial activity. See this https://doi.org/10.1002/jps.2600580708 • Line 191: Antimicrobial activity test <ul style="list-style-type: none"> ○ This should have been done in duplicates to increase the validity of the data collected as well as help to easily monitor the antimicrobial trend of the extract. • No results was presented for urine macroscopy and microscopy of the urine deposit • Line 233: Antimicrobial Activity of Castor and Palm Kernel Oils on Uropathogens <ul style="list-style-type: none"> ○ Since the IZD was it will be more appropriate to determine the mean as well as Standard deviation around the mean. • Add the images of the screening test for antimicrobial activity of oils using agar well diffusion method • Write this section to align with the way the methodology was outline. This will allows easy understanding of key findings and gaps. <p>Avoid repeating results in discussion. Try to suggest probable reasons for interpretation of finding and compare with similar or other findings Should be brief and specific to the aim of the study. Recommendation should also be suggested based on the findings of the study</p> <p>PLEASE SEE ATTACHMENT</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)
<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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