

Review Form 1.7

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_117567
Title of the Manuscript:	ANTIFUNGAL AND ANTIBIOFILM ACTIVITY OF OZONIZED SUNFLOWER OIL AGAINST <i>Candida albicans</i> STRAINS: A PILOT STUDY AND CLINICAL PERSPECTIVES
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1 The manuscript is important for the scientific community as it investigates the antifungal and antibiofilm activities of ozonized sunflower oil (OGOZ) against Candida albicans strains. Candida infections, particularly oral candidiasis, are a significant health concern, and the increasing prevalence of antifungal resistance highlights the need for exploring new treatment options. The findings of this study suggest that OGOZ could be a promising agent for managing Candida infections, making it relevant for further research and potential clinical applications.</p> <p>2 The title of the article, "ANTIFUNGAL AND ANTIBIOFILM ACTIVITY OF OZONIZED SUNFLOWER OIL AGAINST Candida albicans STRAINS: A PILOT STUDY AND CLINICAL PERSPECTIVES," is suitable as it accurately reflects the focus and scope of the study.</p> <p>3 The abstract is comprehensive, providing a clear overview of the study's aims, methodology, results, and conclusions. It effectively summarizes the key findings and highlights the potential clinical relevance of the OGOZ compound.</p> <p>4 The subsections and structure of the manuscript are appropriate, with a clear and logical flow. The sections cover the necessary aspects, including introduction, materials and methods, results and discussion, and conclusion.</p> <p>5 The manuscript appears to be scientifically correct. The methodology is well-described, and the results are presented and discussed in a coherent manner. The authors have used appropriate statistical analyses and have drawn reasonable conclusions based on the findings.</p> <p>6 The references provided are sufficient and recent, with the majority published within the last 10 years.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Yes</p>	
<p>Optional/General comments</p>	<p>The manuscript presents a study investigating the antifungal and antibiofilm activities of ozonized sunflower oil (OGOZ) against various strains of Candida albicans. The authors employed various methods, including antimicrobial susceptibility testing, broth microdilution assays, and biofilm quantification assays, to evaluate the efficacy of OGOZ against planktonic and biofilm forms of C. albicans.</p> <p>The study addresses an important issue of exploring new antifungal agents to combat the increasing prevalence of antifungal resistance in Candida infections.</p> <p>Questions to Authors:</p> <ol style="list-style-type: none"> 1. Have you considered conducting cytotoxicity or biocompatibility studies to assess the safety of OGOZ for potential clinical applications? 	

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	<p>2.Can you provide more insights into the potential mechanism of action of OGOZ against C. albicans? Understanding the underlying mechanisms could aid in further development and optimization of the compound.</p> <p>I recommend a minor revision of the manuscript. The authors should address the questions raised and consider incorporating additional experiments or discussions to strengthen the study's impact and potential for clinical translation.</p>	
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PART 2:

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

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