

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_128891
Title of the Manuscript:	ASSESSMENT OF ANTIMICROBIAL ACTIVITY OF OCIMUM GRATISSIMUM AND CYMBOPOGON FLEXUOSUS OIL AGAINST SOME SELECTED PATHOGENIC MICROORGANISM
Type of the Article	Artigo cinetífico

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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.	This manuscript significantly contributes to the scientific community by highlighting the effectiveness of Ocimum gratissimum and Cymbopogon flexuosus essential oils as natural antimicrobial agents, offering a promising alternative to the use of synthetic antibiotics, especially in the face of growing bacterial resistance. The FTIR analysis carried out in the study adds value to the understanding of the chemical structures of the active compounds present, providing a solid basis for future investigations into the mechanisms of action of these essential oils. Furthermore, the potential industrial applications of oils, as natural preservatives for foods and in pharmaceutical treatments, expand their implications in combating global challenges in health and environmental sustainability. This work opens up new possibilities for the exploration of natural products in industry and health, promoting the search for safer and more effective alternatives for controlling microorganisms.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Include fruits in the second line of the summary	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically correct, with a detailed analysis of the antimicrobial properties of Ocimum gratissimum and Cymbopogon flexuosus essential oils, including the interpretation of FTIR data and the description of the bioactive compounds present. The methods used, such as the agar diffusion technique, are widely accepted and appropriate for evaluating the antimicrobial activity of these essential oils. The relationship between chemical composition and antimicrobial activity is also well discussed, with emphasis on compounds such as citral and eugenol, which have been widely studied in other studies.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General 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)
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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