

Review Form 3

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_127780
Title of the Manuscript:	Therapeutic Applications and Multifaceted Benefits of Peppermint Oil in Modern Medicine: Mini-Review
Type of the Article	Review 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:

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Important Policies Regarding Peer Review

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 is valuable for the scientific community as it presents a detailed review of peppermint oil's therapeutic potential, supported by evidence from recent clinical studies. It highlights the oil's efficacy in treating a range of conditions, including irritable bowel syndrome, pain, anxiety, and nausea, emphasizing its versatility and relevance in modern medicine. The review also underscores peppermint oil's accessibility, cost-effectiveness, and safety, making it a promising complementary therapy. By identifying gaps in current research, such as its role in respiratory health and physical performance, the manuscript provides a strong foundation for future studies and advancements in the field.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title is descriptive but somewhat lengthy. While it captures the manuscript's subject well, a more concise version would improve clarity and impact. Suggested Title: <i>"Therapeutic Uses of Peppermint Oil in Medicine: A Mini-Review"</i> This revised title is more concise, clear, and retains the essential focus on peppermint oil's applications in modern medicine.	
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.	The abstract of the article is generally comprehensive, summarizing the key points of the review, including the therapeutic applications of peppermint oil across various medical fields and its efficacy in treating conditions such as gastrointestinal issues, pain, and cognitive function. However, I suggest the following improvements: 1. Incorporate Limitations: The abstract would benefit from briefly mentioning the limitations of the current research. For example, it could mention the lack of strong evidence in areas like respiratory health and physical performance. Suggested Addition: <i>"While peppermint oil shows promise in many areas, its effectiveness in respiratory health and physical performance requires further investigation."</i> 2. Future Directions: A brief mention of future research directions would make the abstract more forward-looking and provide context for the gaps in the literature. Suggested Addition: <i>"Further studies are needed to explore peppermint oil's full therapeutic potential, particularly in enhancing physical performance and respiratory health."</i> 3. Consolidate Key Findings: The abstract can be made more concise by focusing on the most critical findings rather than listing all applications in detail. This would make it more succinct without losing essential information. Suggested Revision: <i>"Peppermint oil has demonstrated therapeutic benefits in treating gastrointestinal conditions, alleviating pain, and improving cognitive function. It is a safe, cost-effective therapy with broad potential in patient care."</i> These changes would make the abstract clearer and more concise while still providing a thorough overview of the manuscript's scope	

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<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The manuscript is scientifically well-grounded, referencing numerous peer-reviewed studies. However, some claims (e.g., benefits in neurological function or colonoscopy procedures) could be strengthened with a more detailed discussion of mechanisms or larger sample sizes in the cited studies.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are extensive and cover a broad range of studies. However, some older references (e.g., from 2006) could be updated if more recent studies exist. All references are from credible journals and align with the manuscript's claims.</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The manuscript effectively conveys complex scientific information in a professional tone. However, there are areas where the language could be refined for greater clarity and readability. Suggestions for Improvement: 1. Some sentences are overly complex or lengthy, which can reduce clarity. Simplifying these sentences would improve readability without compromising the scientific content. Example: <ul style="list-style-type: none"> • Original: "Peppermint oil is a highly adaptable natural remedy that healthcare professionals can recommend for treating various conditions, thanks to its pain-relieving, muscle-relaxing, and antimicrobial properties." • Revised: "Peppermint oil is a versatile natural remedy recommended for various conditions due to its pain-relieving, muscle-relaxing, and antimicrobial properties." 2. Ensure consistent use of terms throughout the manuscript. For example, the terms "peppermint oil" and "peppermint essential oil" are sometimes used interchangeably, and while both are accurate, it is important to maintain consistency. 3. Conciseness: Some sections could be more concise. While details are important in a review article, removing redundant phrases would make the article more direct and engaging for readers. Overall, the manuscript is well-written for scholarly communication but could benefit from slight refinements to enhance clarity and flow.</p>	
<p>Optional/General comments</p>	<p>1. Structure and Flow: The manuscript is well-organized, but the "Results and Discussion" section could benefit from subheadings for better readability. Eg. Suggested Subheadings: <ul style="list-style-type: none"> • "Applications in Gastrointestinal Health" • "Neurological and Cognitive Benefits" • "Applications in Pain and Anxiety Management" • "Limitations and Future Research Directions" 2. Figures and Tables: The use of diagrams or summary tables (e.g., comparing peppermint oil's benefits in different medical fields) would enhance visual appeal and make the content more accessible.</p>	

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<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>	

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