

**Review Form 3**

Journal Name:	<a href="#">Journal of Complementary and Alternative Medical Research</a>
Manuscript Number:	Ms_JOCAMR_126109
Title of the Manuscript:	<b>Medicinal Plants with Antimicrobial Potential Used in the Management of Mental Health Disorders: A Review</b>
Type of the Article	<b>Review Article</b>

### Review Form 3

#### **PART 1:** Review Comments

<b>Compulsory</b> REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript provides a well-structured and comprehensive review of medicinal plants with antimicrobial and neuroprotective properties in managing mental health disorders. this review is a valuable contribution to the field.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes title is correct	
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.	Yes the abstract is comprehensive	
Are subsections and structure of the manuscript appropriate?	Yes those are appropriate	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The topic is highly relevant, exploring the potential of medicinal plants in mental health, an area gaining attention due to limitations in conventional treatments. The focus on antimicrobial properties in connection with mental health is unique, offering an innovative angle.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	All references are recent and relevant	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p><b>Yes the language is good enough</b></p>	
<p><b>Optional/General</b> comments</p>	<p><b>Overall, this review is a valuable contribution to the field but would benefit from further clarity, and expanding on practical applications in clinical settings.</b></p> <p style="text-align: center;"><b>My Comments about this Review Article</b></p> <p>This manuscript provides a well-structured and comprehensive review of medicinal plants with antimicrobial and neuroprotective properties in managing mental health disorders. Below are the comments and suggestions for improvement:</p> <p><b>1. Originality and Relevance:</b></p> <p>The topic is highly relevant, exploring the potential of medicinal plants in mental health, an area gaining attention due to limitations in conventional treatments. The focus on antimicrobial properties in connection with mental health is unique, offering an innovative angle.</p> <p><b>2. Structure and Organization:</b></p> <p>The manuscript is well-organized, covering key areas such as traditional use, phytochemical composition, and mechanisms of action. However, the sections on "Challenges in Standardizing Plant-Based Treatments" and "Safety, Efficacy, and Toxicity" could be more concise to avoid repetition.</p> <p><b>3. Literature Review:</b></p> <p>A thorough literature review has been conducted. However, some references, particularly older ones, could be updated with more recent studies to ensure the review is grounded in current research</p> <p><b>4. Phytochemical Constituents:</b></p> <p>The discussion of phytochemicals and their neuroprotective and antimicrobial effects is detailed, but some technical terms might overwhelm non-expert readers. Consider simplifying or providing explanations for complex terms.</p> <p><b>5. Ethno botanical Context:</b></p> <p>The ethno botanical discussion is insightful but could benefit from further regional diversity. Adding case studies from a wider range of geographical areas would enhance the global relevance of the review.</p> <p><b>6. Mechanisms of Action:</b></p> <p>The review could elaborate on specific molecular pathways by which these phytochemicals exert their neuroprotective effects. This would strengthen the connection between the antimicrobial and neurological aspects.</p> <p><b>7. Figures and Tables:</b></p>	

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	<p>Tables summarizing key plants, their phytochemicals, and associated benefits are helpful. However, consider including a flowchart or diagram to visually represent the interactions between phytochemicals, microbial balance, and mental health.</p> <p><b>8. Methodological Details:</b></p> <p>The description of the literature search strategy could be improved by providing more specific inclusion/exclusion criteria, which would increase the reproducibility of the review.</p> <p><b>9. Clinical Relevance:</b></p> <p>While the manuscript highlights the potential for drug development, more emphasis could be placed on clinical trials. Discussing any ongoing trials or potential challenges in clinical translation would enhance the applicability of the review.</p> <p><b>10. Standardization Challenges:</b></p> <p>The section on standardization is important but could delve deeper into practical solutions. Suggesting methods or frameworks for improving standardization would provide more actionable insights.</p> <p><b>11. References:</b></p> <p>All references are recent and relevant, particularly in rapidly evolving fields such as phytochemistry and microbiome research.</p> <p>Overall, this review is a valuable contribution to the field but would benefit from further clarity, and expanding on practical applications in clinical settings.</p>	
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**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>	

**Reviewer Details:**

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