

**Review Form 3**

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_125355
Title of the Manuscript:	<b>Does psychological stress increase fertility? Arguing rate of population growth in developing countries</b>
Type of the Article	

[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>
<p><b>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.</b></p>	<p>The relationship between psychological stress and fertility is a complex and often counterintuitive topic, particularly in the context of population growth in developing countries. This manuscript is important for the scientific community as it challenges traditional assumptions about stress and reproductive health, potentially reshaping our understanding of how mental health influences fertility rates. It raises critical questions about the socio-economic factors that intersect with psychological well-being, which could inform public health policies aimed at addressing population growth. Personally, I appreciate this manuscript for its interdisciplinary approach, combining psychology, sociology, and reproductive health, but I would caution against oversimplifying the findings, as they may not universally apply across diverse cultural and economic contexts.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title "Does Psychological Stress Increase Fertility? Arguing Rate of Population Growth in Developing Countries" may not fully convey the complexity of the topic. It suggests a direct link between stress and fertility without acknowledging the multifaceted factors at play.</p> <p>A more suitable title could be: "Exploring the Complex Relationship Between Psychological Stress and Fertility: Implications for Population Growth in Developing Countries." This title highlights the nuanced nature of the research while emphasizing its relevance to broader demographic issues.</p>	
<p><b>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.</b></p>	<p><b>The abstract provides a solid overview of the topic but could benefit from a few adjustments for clarity and completeness. Here are some suggestions:</b></p> <p><b>Clarity on Key Points:</b> The phrase "this counter was based on earlier studies" could be clearer. Specify the claims or assumptions being countered more explicitly.</p> <p><b>Elaboration on Mechanisms:</b> While it mentions "psychological stress" and "mitochondrial biogenesis," a brief explanation of how these mechanisms relate to fertility could enhance understanding for readers unfamiliar with the topic.</p> <p><b>Research Implications:</b> Instead of saying "future studies... would open new avenues," consider specifying what kinds of studies or methods could be pursued, as this would provide clearer direction for future research.</p> <p><b>Conciseness:</b> The phrase "stress and depression" is somewhat redundant since depression can be a result of prolonged stress. Consider using "psychological distress" to encompass both.</p> <p><b>Conclusion Strength:</b> Strengthen the concluding sentence by briefly summarizing the potential implications of your findings on policy or public health.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections and structure of the manuscript have several strengths, but there are areas for improvement to enhance clarity and coherence. Here are some observations and suggestions:</p> <p><b>Strengths:</b></p> <ol style="list-style-type: none"> <li><b>Clear Organization:</b> The manuscript is divided into logical sections, addressing the introduction, global perspective on population growth, reasons for higher rates in developing countries, the relationship between stress and depression, and mechanisms linking stress to fertility. This structure helps guide the reader through the argument.</li> <li><b>Thematic Cohesion:</b> Each section builds on the previous one, maintaining a focus on the interplay between psychological stress and fertility, particularly in the context of developing</li> </ol>	

**Review Form 3**

	<p>countries.</p> <p><b>Areas for Improvement:</b></p> <ol style="list-style-type: none"> <li><b>Subsection Titles:</b> Some subsections could benefit from clearer titles. For example, "Is it true that developing nations have greater stress rate?" could be revised to "Prevalence of Stress in Developing Countries" for clarity.</li> <li><b>Flow Between Sections:</b> While the sections are logically organized, transitions between some subsections could be smoother. Adding brief transition sentences can help connect ideas and enhance readability.</li> <li><b>Conciseness:</b> Certain parts, especially in the introduction and the mechanisms of psychological stress, could be more concise. Redundant phrases and overly complex sentences can detract from the main points.</li> <li><b>Empirical Evidence:</b> While many studies are referenced, ensuring that each subsection presents clear, concise evidence to support claims would strengthen the argument. Consider summarizing key findings more succinctly.</li> <li><b>Conclusion Reinforcement:</b> The conclusion should briefly reiterate the main points discussed in the manuscript, emphasizing the implications for future research and policy. This could reinforce the manuscript's significance and provide a more impactful closing.</li> <li><b>Visual Aids:</b> If applicable, adding tables, figures, or diagrams (as mentioned) can help illustrate complex relationships and processes, making the content more accessible.</li> </ol> <p><b>Summary:</b></p> <p>Overall, the manuscript has a solid foundation with appropriate subsections and structure, but refining titles, enhancing transitions, and improving conciseness will make it more effective. These changes can help clarify the relationships between stress, fertility, and population growth in developing countries, ultimately strengthening the manuscript's contribution to the field.</p>	
<p><b>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.</b></p>	<p>The manuscript presents a scientifically robust argument by exploring the complex relationship between psychological stress and fertility, particularly in the context of developing countries. It effectively challenges the prevailing notion that stress universally impairs reproductive health, incorporating insights from evolutionary biology to propose that adaptive mechanisms may enhance fertility under certain stress conditions. The discussion is supported by a range of relevant studies, which adds depth to the claims made. Furthermore, the focus on mitochondrial biogenesis as a potential mediating factor links stress physiology with reproductive outcomes, offering a novel perspective that encourages further investigation in this field. Overall, the manuscript is technically sound, as it synthesizes existing literature while proposing new hypotheses that warrant additional research.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p><b>YES</b></p>	

### Review Form 3

Minor REVISION comments  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language and English quality of the article are generally suitable for scholarly communication, but there are areas that could benefit from improvement. The writing is clear and conveys complex ideas effectively; however, some sentences are lengthy and could be made more concise for better readability. Additionally, there are occasional grammatical errors and awkward phrasings that detract from the overall professionalism of the manuscript. Improving sentence structure, ensuring consistent terminology, and proofreading for grammatical accuracy would enhance the clarity and impact of the article. Overall, with some revisions, the manuscript can meet the standards expected in academic publishing.	
<b>Optional/General</b> comments	Overall, your study is a significant contribution to the discourse on fertility and stress, particularly in developing countries. With some revisions for clarity and detail, it has the potential to engage and inform readers effectively in scholarly communication.	

### **PART 2:**

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

### **Reviewer Details:**

Name:	<b>Shwetha Javali</b>
Department, University & Country	<b>Bidea's Shri B M Patil Institute of Nursing Sciences, India</b>