

# Review of: "Quantum Jump" and Their Effects on the Photo Whitening Technique

Sabu Thomas<sup>1</sup>

<sup>1</sup> Mahatma Gandhi University, Kerala

Potential competing interests: No potential competing interests to declare.

## Comments

The manuscript titled "Quantum Jump and Their Effects on the Photo Whitening Technique" introduces an interesting concept. However, there are areas that could be improved to increase its likelihood of being accepted. These include strengthening the evidence base, improving clarity and coherence, and providing clearer practical implications and future directions. I could see your article already published on the following web page:

[https://www.researchgate.net/publication/379583000\\_Quantum\\_Jump\\_and\\_Their\\_Effects\\_on\\_the\\_Photo\\_Whitening\\_Technique](https://www.researchgate.net/publication/379583000_Quantum_Jump_and_Their_Effects_on_the_Photo_Whitening_Technique)

Please give an explanation.

1. The title might be misleading and overly metaphorical for a dental procedure, potentially confusing readers about the scientific mechanisms involved.
2. The introduction initially focuses on quantum mechanics, with a sudden shift to the topic of tooth whitening, resulting in a disjointed connection.
3. You need to introduce the topic in a skilled manner, relate quantum mechanics to the practical problems.
4. While the manuscript addresses minimizing side effects such as hypersensitivity and tissue damage, it lacks a thorough discussion on how the proposed technique explicitly mitigates these issues.
5. The manuscript fails to thoroughly discuss the reproducibility and reliability of the presented results, including potential biases or alternative interpretations.
6. The conclusion feels abrupt and lacks a clear call to action or recommendation for future research directions, missing an opportunity to guide further investigation or refinement of the technique.

7. The language throughout the manuscript could be more precise and concise.

Unnecessary verbosity and repetition detract from clarity. Please correct the paper with an English teacher.

8. Incorporating well-designed illustrations alongside explanations would improve the overall quality and make it more effective in communicating its findings. Please add illustrations such as tables and figures.