Review of: "In-Vitro Antibacterial Activity of some Ganoderma Species: A Review"

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Potential competing interests: No potential competing interests to declare.

In general, the manuscript "In-Vitro Antibacterial Activity of some Ganoderma Species: A Review" is a valuable source of information about the antibacterial properties of Ganoderma. However, there are some areas where the summary could be improved. Please let this literature review be a constructive criticism of the data collected.

- Section "Abstract" – The summary could be shortened by removing unnecessary words and phrases. Please summarize the conclusions of this literature review. List the main questions and conclusions that arise from this. Let this literature review be a constructive criticism of the data collected. The summary could be more specific about the antibacterial properties of Ganoderma. It could be improved by further emphasizing the clinical potential of Ganoderma.
- Text structure – Please explain why you begin the manuscript with a discussion of diabetic foot ulcers. Is this the main topic of the manuscript? If so, I suggest changing the title of the manuscript. I suggest that you first characterize Ganoderma and its species and then discuss the substances that correspond to its overall antibacterial activity. And only then indicate their use and documentation under in vitro conditions. Such analysis should be crucial and provide new information on existing scientific knowledge resources. The authors could discuss the mechanisms of action of the antibacterial compounds found in Ganoderma in more detail. Discuss how Ganoderma's wound-healing, immunomodulatory, and anti-inflammatory properties are important for infectious diseases such as diabetic foot ulcers, pneumonia, and chronic hepatitis. Please add additional information regarding the quality and source of Ganoderma's products that may affect their effectiveness.
- Section "Conclusion" – Strengthen the connection between Ganoderma's antibacterial properties and its potential to reduce the risk of infection. The conclusion could be improved by further emphasizing the clinical significance of the antimicrobial activity of Ganoderma. Provide more specific examples of how Ganoderma's wound-healing, immunomodulatory, and anti-inflammatory properties may contribute to the general treatment of infectious diseases such as diabetic foot ulcers, pneumonia, and chronic hepatitis. The ending could be more expressive.