

Review of: "Uncovering Insights Into the Bio-Efficiency of Zingiber Officinale Roscoe: Understanding Components That Contribute Significantly to Ginger's Anti-inflammatory and Antioxidant Potential in Relationship With Modern Drying Methods"

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Potential competing interests: No potential competing interests to declare.

The title is overly long and complex, making it difficult for readers to grasp the main focus of the article at a glance. Consider simplifying it to improve clarity and readability. Rather than listing all the components of ginger in the title, focus on the key elements or aspects that contribute to its bio-efficiency and anti-inflammatory/antioxidant potential. Avoid using overly technical language or jargon in the title, as it may alienate readers who are not familiar with the subject matter. Consider restructuring the title to highlight the main objectives or findings of the study, while still conveying the essence of the research. Try to condense the title to make it more concise and to the point, while still capturing the essence of the study. Aim for a title that is informative, engaging, and easy to understand.

Other than that,

The study provides valuable insights into the effects of modern food drying procedures on the bioactive properties of ginger. The use of diverse methodologies, including in vitro research, computational modeling, and toxicity assessments, enhances the comprehensiveness of the study. The results regarding the antioxidant activity of freeze-dried ginger compared to oven-dried ginger are significant and provide important information for potential applications in drug development. The in silico analyses identifying key chemical constituents responsible for ginger's bioactivity add depth to the study and contribute to our understanding of the mechanisms underlying ginger's therapeutic effects. The comparison of dried ginger's anti-inflammatory and antioxidant activities with conventional drugs like Vitamin C and Aspirin provides context and highlights the potential of ginger as a natural alternative or supplement. The study's findings have implications for the development of affordable and efficient anti-inflammatory and antioxidant drugs, which could have broad implications for public health. Overall, the study offers valuable contributions to the field and is suitable for publication pending minor revisions for clarity and coherence.