

Review of: "Investigating the Mechanical and Tribological Effects of MoS₂ Reinforcement in AZ91 Magnesium Alloy: A Comprehensive Experimental Study"

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Potential competing interests: No potential competing interests to declare.

Clarity and Organization: The paper lacks clarity in presenting the composite's mechanical properties and their relevance to applications. The organization could be improved to better highlight key findings.

Data Interpretation: The interpretation of experimental data should be more detailed, with clear correlations drawn between composite composition and mechanical performance.

Literature Review: The literature review is insufficient in discussing recent advancements or comparing the results with existing studies on similar composites.

Mechanical Testing: The mechanical testing procedures should be described in more detail, including sample preparation techniques and testing conditions.

Discussion of Results: The discussion lacks depth in analyzing the implications of the results for practical applications or future research directions.

Figures and Tables: Figures and tables need better labeling and clarity to enhance understanding of the experimental data and results.

Language and Writing: There are grammatical errors and awkward phrasing throughout the manuscript that need to be corrected for clarity and professionalism.

Conclusion: The conclusion should succinctly summarize the key findings and their significance, while also addressing any limitations and proposing avenues for further research.