

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.

In this manuscript, the author conducted a thorough experimental investigation into the impact of MoS₂ reinforcement on the mechanical and tribological properties of the AZ91 magnesium alloy. The research idea is good and will be of interest. However, the manuscript needs some minor revisions for improvement.

1. Clarify Definitions and Symbols: The manuscript should provide clear definitions for all symbols and terms used throughout to enhance reader comprehension.
2. Typically, the percentage of reinforcement added to a matrix material can vary depending on the desired properties and the manufacturing process used. What percentage of MoS₂ reinforcement is added to the base matrix?
3. Enhance the Results Section: The results should be presented in a more analytical manner, integrating critical comparisons with existing literature rather than resembling a straightforward laboratory report.