

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.

The material under investigation is significant across various industries, but the quality of the manuscript needs improvement.

1. Up-to-date references should be added, particularly for data like the information in Table 1.
2. The images and graphs are of poor quality and hard to understand.
3. EDS is mentioned several times but not included in the paper.
4. Although the paper focuses on microstructure, the discussion on this topic is insufficient.
5. The cross-section of the samples should be presented with a depth of at least 10 microns.
6. Additional supportive experiments would be beneficial.