

# Review of: "Investigating the Mechanical and Tribological Effects of MoS<sub>2</sub> 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 authors provide a comprehensive study regarding "Review of: Investigating the Mechanical and Tribological Effects of MoS<sub>2</sub> Reinforcement in AZ91 Magnesium Alloy: A Comprehensive Experimental Study". It is eye-catching and exciting to a researcher in this field. However, some corrections and explanations could be done prior to publishing the paper in Qeios. Some of my comments and questions on this manuscript are as follows:

1. It is better to state it in the title of the composite manufacturing method.
2. In the abstract section, it needs to be rewritten, and the authors should focus more on quantitative information rather than qualitative information.
3. It is better to put the morphology of the surface images after deformation with press indentation for Vickers microhardness.
4. The scale bar in the SEM images is not clear enough in the figures.
5. More detailed comparison needs to be given. A comparative study is required?
6. The manuscript contains errors in English language usage. Careful editing is necessary to correct these errors and improve overall text flow.