

# 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.

Introduction part has to be improvised by adding new relevant researches

Investigating the wear performance of AZ91D magnesium composites with ZnO, MnO, and TiO<sub>2</sub> nanoparticles

Tribo-corrosive wear behaviour of squeeze-casted Mg/TiN/hBN composite under different ageing temperature

The FSP tool employs a shoulder fabricated from H-13 tool steel. Why? Any proof from previous researches.

How the process parameters were chosen (Table.2)

Simply fig. 4 and 5 are marked, 100 X, 500 X, what is the inference for the microstructure?

Figure 6 presents the results for samples processed at different rotational speeds (1100, 900, and 700 rpm). Each figure shows EDS spectra obtained at specific locations within the modified zone. Specific measurement distances are indicated in the Figures (e.g., 10 µm and 20 µm). No explanation, same for other figures too.