

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

Kumaran D¹

¹ SRM Institute of Science and Technology

Potential competing interests: No potential competing interests to declare.

Good work to start with!

Magnesium alloys are generally good at resisting corrosion.

The materials section talks much about bandgap, which is not used in the present work and stands irrelevant.

The importance of finding hardness is not emphasized, and the same is not reflected in the Conclusions part. Hence, a connectivity between the tensile strength and hardness, together with microstructure, will justify the importance of hardness measurement, and the same should be reflected in the conclusions section.

Design of Experiments is a good option to optimize process parameters and should be tried out, setting the objectives of the optimization at the first place.