Review of: "The Influence of Hot Extrusion on The Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced With Silicon Carbide Particulates"

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Potential competing interests: No potential competing interests to declare.

Comments to Author

1. Introduction section should be included with some more previous literatures.

2. How many samples were tested to arrive at the properties should be included.

3. Why was SiC added with 2, 4, 6, 8 wt%? (Note: It's unclear whether the original use of "particularly" was intentional, so I retained it, but it seems unusual.)

4. The scientific reason behind the improvement of the as-cast and hot extruded samples provided is not sufficient.

5. What is the effect of mechanical properties beyond 8% SiC? What is the specific application of the particular composite preparation?

6. Tensile and compressive strength representation by simple bar chart comparison is not sufficient for better understanding of its properties. Provide stress-strain curves of tensile and compressive experiments.

7. Fig. 3 is not clear.

8. Scale value of SEM images (Fig. 14 to 18) is missing.

9. Microstructure studies such as XRD, SEM, EDAX are not provided; this is a bigger negative point of this work.

10. Overall findings:

This manuscript describes only numerical values of mechanical properties. The finding values are not validated with microstructure observations of the produced composite samples.

Hence, the present form of this manuscript is recommended for rejection.