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.

The Influence of Hot Extrusion on the Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced With Silicon Carbide Particulates was investigated in the present work. Some comments are given as follows.

1. The authors state that “many researchers prefer liquid metallurgy over solid metallurgy because it is inexpensive and more cost-effective for mass production.” However, the authors cited only a reference.
2. The novelty of the work must be better highlighted in the manuscript.
3. Why are the stirring speed, duration, and temperature crucial parameters?
4. In Part "Experimental Work," the authors seem to have left out a great deal of methodological detail, such as the size and quantity of the samples obtained in each process, information on the microstructural characterization (SEM), etc.
5. What are the chemical compositions of the alloys?
6. Why did the authors choose these reinforcement percentage values (2, 4, 6, and 8%)?
7. The authors must methodologically detail the density and porosity tests, as well as the mechanical tests.
8. Please redraw the charts according to the journal's requirements and improve the image resolution of all figures.
9. What is the number of statistical samples and the error of the statistical results?
10. The authors must replace the figures (SEM), which are distorted, and insert scales in the images.
11. The authors must methodologically detail the results of wear rates.