

# 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.

In the manuscript "The Influence of Hot Extrusion on the Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced with Silicon Carbide Particulates", a thorough investigation was conducted to obtain an Al-SiC Composite with the best wear and mechanical behaviors. The authors continue their work related to the wear and mechanical behaviors of composites and their microstructures, which provides some useful knowledge. However, for publication, I suggest the following points should be considered or corrected.

1. The author should mention the casting mold and extrusion sample dimensions.
2. The introduction section needs to be modified, especially the first paragraph, which needs to be improved in quality by adding some scientific knowledge to this section.
3. The main novelty of this research should be added to the last part of the introduction.
4. Why the tensile and compact strength, and other mechanical properties, were improved by the addition of SiC amount and the extrusion process in the same SiC present (in spite of the increase in voids present). You should discuss the reasons for them clearly.
5. Figure 3 is not clear. All figures should be modified.
6. The abstract should be more detailed and provide information on the outcomes.