

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.

1. Under the section "Introduction", the author claimed that "The challenge with primary processed metal matrix composites is the non-uniform reinforcement distribution caused by poor wettability, which leads to porosity. To address this issue, researchers are exploring secondary processing techniques such as forging, rolling, and extrusion. In light of the foregoing, the current study aims to characterise aluminium 6063 matrix composites reinforced with silicon carbide in powder form of lab grade with weight fractions ranging from 0 to 8wt%". Does the researcher think that forging or any secondary process addresses the challenges listed above, specifically the non-uniform distribution of reinforcements? How? If not, what is the purpose of this study?
2. Under the Results and Discussion part, first discuss the density, then put the density figure. Next, discuss porosity and put the figure at the end. Rearrange accordingly.
3. According to the porosity graph, the porosity levels for the w% 6 and wt8% reinforced composites are similar for the hot-extruded part, as per the figure. This is not in line with the general sentence provided regarding the increase in reinforcement amount and porosity level in the developed composites. Needs to be clarified.
4. Under the tensile strength discussion, "Tensile strength was improved by 78% with an increased reinforcement quantity in the composites," please specify properly the samples/specimens you compared to arrive at the conclusion.
5. Most of the images in the manuscript are blurred, and the author should upload quality images.
6. The referencing style is not consistent; therefore, the authors are expected to modify it accordingly.