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 abstract is non-applicable, brief, and superficial and lacks quantitative results and achievements. The abstract should be rewritten, and innovations and achievements should be presented in the first place, and then quantitative and qualitative results should be added.

The article needs general writing and grammar editing.

The novelty and purpose of the research should be clearly stated in the abstract and introduction.

The first paragraph of the introduction presents primarily general information. At the end of the introduction, a suitable summary of the importance of the present issue should be provided. Also, discontinuity between paragraphs is evident in most of the introduction.

The number of used and reviewed references is very small. It is also suggested to use sources that have been published in the last few years.

Use the following resources to deepen the introduction: Influence of ARB technique on the microstructural, mechanical, and fracture properties of the multilayered Al1050/Al5052 composite reinforced by SiC particles. Using digital image correlation for characterizing the elastic and plastic parameters of ultrafine-grained Al 1050 strips fabricated via the accumulative roll bonding process. Evaluation of the microstructure and mechanical properties of the multilayer Al5052–Cu composite produced by accumulative roll bonding.

The number of tensile test samples should be mentioned. How is the reproducibility of tensile test results checked?

Add a scale bar to the results.

One of the most important factors in examining the mechanical behavior of metal matrix composites reinforced by ceramic particles is related to the distribution and morphology of particles. In addition, the SEM images are not of good quality, and the distribution of reinforcing particles is not observed.

Add strain-stress diagrams. Remove the sample images for pressure and hardness tests. After presenting the

stress-strain graphs, extracted quantitative data such as strength, elongation, and elastic modulus should be presented.