

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.

Thank you very much for choosing me as a reviewer.

The research is considered acceptable, but after making the modifications listed below.

- 1- The introduction and discussion should be strengthened by adding recent references in the years 2023 and 2024.
- 2- The authors used SEM to study the structural properties and did not mention it in the abstract or experiment procedures, so it should be added.
- 3- In the Experimental Work section, the author mentioned "2.1 Fabrication of the composite" and wrote all experimental procedures, so (the words 2.1 Fabrication of the composite) should be canceled.
- 4- In the Results and Discussion "3.1 section," how the authors calculated the density and porosity of the samples, the equation used should be added.
- 5- In graphs (from 1 to 8), the Y-axis title and its measuring unit should be placed next to the axis.
- 6- Graphs from (14 to 17) are not clear; they need to increase the resolution.
- 7- Graphs 8 and 11 need enlargement and clarification.
- 8- Shapes 1, 2, 3, and 4 should be included in the arrangement of the rest of the graphs, bringing the number to 21 figures.
- 9- The stress-strain curves should be added in the results section.
- 10- For example, the unit of tensile strength, N/ mm², 2 should be added in the superscript position.
- 11- How do the authors calculate the tensile strength, elasticity modulus, compression strength, Vickers hardness number, impact strength, wear rate, and coefficient of friction?

(the equation the authors used should be added)
- 12- The author should create a link between the obtained results; this will make the manuscript more readable.

