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: Minor revisions are required

I have conducted a thorough evaluation of the manuscript entitled “The Influence of Hot Extrusion on the Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced with Silicon Carbide Particulates” and find it to hold significant promise for publication in the Journal of Qeios, subject to minor revisions. Below, I have outlined my feedback and recommendations:

1- The quality of all figures is suboptimal and should be replaced with a higher-resolution version for better clarity.

2-Graphs 9 and 12 should be drawn in two dimensions.

3- It is better to bring all the images with the title of Figure (not FIGURE and GRAPH), and there is no need to bring different figures and graphs with separate numbering.

4- It is better to use the phrase “SiC weight percentage (wt %)” for the amount of reinforcement throughout the text.

5- Based on the reported results, the tensile strength and compressive strength increased with the increase of silicon carbide from 2 to 8 weight percent. Is the trend of strength changes of this material upward by adding more amounts of SiC?

6- - The authors should cite important references related to materials reinforced with SiC. The below references are suggested to be cited in the revised manuscript:

Materials Chemistry and Physics 288, 126380 (2022), doi:10.1016/j.matchemphys.2022.126380

Journal of Progress in Natural Science: Materials International, 31, Issue 1, (2021), doi: org/10.1016/j.pnsc.2020.11.010

7- I recommend a comprehensive proofreading of the entire text to identify and rectify any potential grammatical errors and typos.