

## 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. The title of the manuscript could be improved: it is suggested something like "Assessment of the influence ..."
- 2. In the last paragraph of the Introduction, authors state the purpose of the research. It is strongly suggested that background information on the effect of adding silicon carbide to the aluminum alloy is provided in order to support the hypothesis.
- 3. The information presented in Section 2 must be re-organized because only a subsection is presented (Fabrication of the composite), and, however, information on the experimental testing is also presented.
- 4. In the subsection on experimental testing, which must be added, authors have to provide illustrations or photographs of the stirring device as well as the wear test equipment, describing the components.
- 5. What is the contribution of the density and porosity, tensile, compression, hardness, and impact test results to the purpose of the research? How are these results related to the wear behavior?
- 6. Graph 9 must be improved to be understandable.
- 7. Authors must provide a strong and deep discussion of the experimental observations based on the theoretical explanations of the expected behavior. Currently, the discussion provided deals with a light description of the curves and surface plots.
- 8. I don't know if it was the quality of my screen, but it is very complicated to make any observations in the micrographs.

  The description of the equipment and methods used for acquiring them must be provided. At what stage of the test were they acquired?
- 9. It is suggested that wear behaviour as a function of time is presented and discussed. It may provide a better comprehension of the studied phenomenon.
- 10. The conclusions must be strongly supported by the results, and a deep discussion must be provided, relating the findings to the material science foundations.
- 11. I hope these comments lead to enhancing the manuscript.