

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 manuscript entitled "The Influence of Hot Extrusion on The Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced With Silicon Carbide Particulates" is reviewed. It is well written, and current methods were used in the study. However, the manuscript needs some revisions to be suitable for publication.

The success in the production of composite materials depends largely on the bonding at the matrix-reinforcing element interface. This should be demonstrated by providing microstructure images (e.g., SEM).

In section 4, Conclusion: "In the hot-extruded composite, the grains were noticeably refined, and the reinforcement layers were considerably dissolved, reflecting the effective diffusion and doping of reinforcement atoms into the Al 6063 matrix."

In order to make such a statement, it had to be supported by microstructure (SEM) images, as mentioned above.

Best regards...