

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 addresses the growing importance of lightweight composite materials in industrial and structural applications. The utilization of aluminium 6063 alloy reinforced with varying weight fractions of silicon carbide under different processing conditions is well-articulated. The methodology, including the stir casting technique and hot extrusion process, is clearly delineated. The findings regarding the enhancement of mechanical properties and wear resistance with the addition of reinforcement, particularly through hot extrusion, are effectively conveyed. Overall, the manuscript provides a comprehensive overview of the study, setting a strong foundation for the reader to grasp the objectives, methodology, and key outcomes of the research.