

# 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.

## Comments to be addressed

1. In the abstract, there are no quantitative parameters from the results of the wear test and other mechanical tests. So you should bring and summarize them both in the abstract and in the conclusion section.
2. **XRD analysis** is not described in the whole manuscript with respect to the operational parameters (type of machine, raw data corrections, radiation (wavelengths), material (bulk or powder), sample preparation is not fully described. Which database and which reference patterns were used? Show ICCD, JCPDS card numbering that matches the phases formed in the XRD and give references that have found similar.
3. **EDS information** is not mentioned in the manuscript, which is required for the chemical composition.
4. The chemical composition of the Al6063 is not mentioned in the manuscript . Which method is used to determine the chemical composition of aluminum Al6063?
5. **Progressive wear** analysis is missing. Also, explain the dominating wear mechanisms like delamination, abrasion, and plastic deformation.