

# Review of: "Optimized Material Removal and Tool Wear Rates in Milling API 5ST TS-90 Alloy: AI-Driven Optimization and Modelling with ANN, ANFIS, and RSM"

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Potential competing interests: No potential competing interests to declare.

1. The novelty of the study should be clearly stated in a paragraph.
2. Paragraph 3 and 4 of the introduction needs a significant revision. There is an overlap of aims and objectives in both paragraphs. Ensure the aim and objectives are detailed once.
3. Revise the measurement units ( $\text{mm}^3$ , not mm3), and ensure the superscripts are properly appropriately placed.
4. A brief introduction of the models is required in the introduction section.
5. "t" is not defined in equation 2.
6. Since the study focuses on experimental and modeling, a brief discussion of experimental results is expected in the results and discussion section.
7. Compare your results in more depth with the existing literature, identify the main deviations, and try to explain the mechanisms by which they may have been caused.
8. Reveal the main driving mechanisms of your results, provide a deeper synthesis and reveal some more original/significant findings (comment on financial analysis).
9. In the conclusion section, a higher level of generalization is mandatory, clearly indicating whether the research hypotheses tend to be confirmed or not.