

# 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"

Subramanya Prabhu<sup>1</sup>

<sup>1</sup> Manipal Academy of Higher Education

Potential competing interests: No potential competing interests to declare.

1. First sentence - Change word manufacturing to machining. Manufacturing includes assembly, additive mfg etc...
2. "cutting tool life and wear can be increased" is it correct?
- 3, Table 1, content % -is it volume or mass %?
4. In one of the experiment TWR is given as 2.08 mm/min. Such a high TWR is acceptable? Pls discuss in detail, how long each experiments were carried out? If TWR is in mm for shorter duration of experiments, then such operations are not at all useful in industries.
5. No proper discussion was provided for figure 7 (What is the interaction effect of various process parameters?)
6. Its obvious that MRR will increase as you increase DOC? Explain how spindle speed and feed assist in MRR
7. Results of Figure 15 is not properly discussed. (Why spindle speed has no effect and why DOC/ feed rate has significant effect on TWR?)
8. It has observed that ANFIS is giving good results. But why RSM is used in table 11?