

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"

Syed Abou Iltaf Hussain¹

¹ Chandigarh University

Potential competing interests: No potential competing interests to declare.

The paper is well-written and can be accepted for publication in the journal. However, some points I would like to point out for increasing the readability of the paper. The points are as follows:

1. For ANN, add a part indicating how to prevent the network from overfitting and underfitting.
2. For ANN, add a part on how to optimize the number hidden layer and hidden neurons?
3. Redraw all the pie-charts. Make the diagram a bit bigger in size.
4. Explain the Perturbation plots in the paper.
5. Add some recent literatures to the study such as
 1. Selection of an ideal MQL-assisted milling condition: an NSGA-II-coupled TOPSIS approach for improving machinability of Inconel 690.
 2. Optimization by AHP-ARAS of EDM process parameters on machining AA7050-10%B 4 C composite
 3. Selection of best process parameters for friction stir welded dissimilar Al-Cu alloy: a novel MCDM amalgamated MORSM approach
 4. Novel multi-objective decision-making and trade-off approach for selecting optimal machining parameters of inconel-800 superalloy
 5. Modelling and optimizing performance parameters in the wire-electro discharge machining of Al5083/B4C composite by multi-objective response surface methodology

I recommend the paper for acceptance of the paper subject to minor corrections.