Vincenc Butala, Ph.D.
Editor-in-Chief
Strojniški vestnik – Journal of Mechanical Engineering
Aškerčeva 6, SI-1000 Ljubljana, Slovenia

March 31, 2021

Dear Dr. Butala

I am writing to **re-submit** manuscript entitled, "Process parameter optimization for maximizing tensile strength in friction stir welded carbon steel" by Anmol Bhatia and Reeta Wattal for publication in Strojniški vestnik – Journal of Mechanical Engineering as original scientific paper (1.01). **The paper is a modified version of the paper #7087 submitted on 5th January 2021.The modifications are as per the comments received from the reviewers on 8th March 2021.**

Given that there is a wide usage of steel in industry and welding of steel is required for manufacturing. Although steel can be welded widely by fusion welding, but it encounters various defects. These defects can be removed by Friction stir welding, hence an attempt is made in the present study to produce defect free welded joints using tungsten carbide tool along with the improved mechanical properties.

Our study involved experimental investigation to analyze the effect of process parameters on ultimate tensile strength, percentage elongation and percentage reduction in area for friction stir welded AISI 1018 carbon steel joint. The response parameters were mathematically modeled using regression analysis. We believe that the findings presented in our paper will appeal to researchers/Industry professionals who subscribe to your esteemed journal.

Should you select our manuscript for peer review, we would like to suggest the following potential reviewers/referees because they would have the requisite background to evaluate our findings and interpretations objectively.

1. Hamidreza Jafarian, Associate Professor, Iran University of Science and Technology (IUST), jafarian@iust.ac.ir
2. Angel Sánchez Roca, Faculty of Mechanical Engineering, University of Oriente, Cuba, asroca@yahoo.com

In order to present the detailed results, our paper exceeds the required page limit of the journal. Our manuscript is prepared under 12 pages (5746 words) containing 11 figures and 8 tables.

The manuscript nor the essence of its content has been published in whole or in part previously and is not under consideration elsewhere. The authors have no conflicts of interests to disclose and all have approved this submission.

If you require any additional information regarding our manuscript, please do not hesitate to contact us directly via the resource below. Thank you for your time and consideration

Sincerely,

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