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## List of Publications

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### International Journals

- 1) Gupta SK, Raja AR, Vashista M, Yusufzai MZ. Effect of Gas metal arc welding on magnetic response of ferritic stainless steel. *Arabian Journal for Science and Engineering*. 2020; 45(2):1293-303.
- 2) Gupta SK, Raja AR, Vashista M, Yusufzai MZ. Hysteresis loop analysis of gas metal arc welded ferritic stainless steel plate. *Materials Research Express*. 2019; 6(9):096110.
- 3) Gupta SK, Raja AR, Vashista M, Yusufzai MZ. Effect of heat input on microstructure and mechanical properties in gas metal arc welding of ferritic stainless steel. *Materials Research Express*. 2018; 6(3):036516.

### International Conferences

- 4) Sanjay Kr. Gupta\*, Shivansh Mehrotra, Avinash Ravi Raja, Meghanshu Vashista, Mohd Zaheer Khan Yusufzai, (2019) "Effect of welding speed on weld bead geometry and percentage dilution in gas metal arc welding of SS409L", 9<sup>th</sup> International Conference On Materials Processing And Characterisation, 08<sup>th</sup>-10<sup>th</sup> March 2019. Published in *Materials Today Proceedings*, <https://doi.org/10.1016/j.matpr.2019.07.497> (Scopus Journal).
- 5) Sanjay Kumar Gupta\*, Mithlesh Kumar Mahto, Avinash Ravi Raja, Meghanshu Vashista, Mohd Zaheer Khan Yusufzai, (2020) "Characterisation of welded plate through micro-magnetic technique", 2<sup>nd</sup> International Conference on Processing and Characterisation of Materials, National Institute of Technology, Rourkela, 12-14 Dec

2019. Published in materials today proceedings,  
<https://doi.org/10.1016/j.matpr.2020.03.121> (Scopus Journal).

- 6) Sanjay Kumar Gupta\*, Adarsh Kumar, Avinash Ravi Raja, Meghanshu Vashista, Mohd Zaheer Khan Yusufzai, (2020) "Magnetic hysteresis loop behaviour of welded ferritic stainless steel 409L with the variation of magnetic field intensity." 10<sup>th</sup> International Conference On Materials Processing And Characterisation, GLA Mathura, 21<sup>st</sup> – 23<sup>rd</sup> February 2020. Published in Materials today proceedings, <https://doi.org/10.1016/j.matpr.2020.02.354> (Scopus Journal).