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Publications:

1.**S. Shashi Kumar**, N. Murugan and K.K. Ramachandran "Effect of tool tilt angle on weld joint properties of friction stir welded 316L stainless steel" Accepted for publication in Measurement, Elsevier Journal (Impact factor – 2.8) (2020)

2.**S. Shashi Kumar**, N. Murugan and K.K. Ramachandran "Effect of Welding speed on Mechanical and microstructural properties of Friction stir welded 316 L stainless steel joints" Welding in the World 63 (2019) 137-150 (Impact Factor: 1.206) , Springer.

3. **S. Shashi Kumar**, N. Murugan and K.K. Ramachandran "Identifying the Optimized FSW process parameters for maximizing the tensile strength of Friction stir welded 316 L austenitic stainless steel joints" Measurement,137 (2019), 257-271. Elsevier Journal (Impact factor – 2.218)

4. **S. Shashi Kumar**, N. Murugan and K.K. Ramachandran "Friction Stir Welding of AISI 316L Stainless Steels; Mechanical and Microstructural characterization", Materials Performance and Characterization, ASTM Journal. 8(4) 676-689 (Impact Factor: 0.5) (2019)

5.**S. Shashi Kumar**, N. Murugan and K.K. Ramachandran "Microstructure and Mechanical properties of friction stir welded AISI 316L austenitic stainless steel" Journal of Material Processing Technology, Vol. 254 (2018) pp. 79-90. Elsevier Journal (Impact Factor : 3.647)

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7.**S. Shashi Kumar**, N. Murugan and K.K. Ramachandran "Influence of tool material on Mechanical and microstructural properties of friction stir welded 316L stainless steel" International Journal of Refractory Metals and Hard materials Vol.58 (2016) pp.196 -205. (Impact Factor: 2.26), Elsevier Journal.

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9**. S. Shashi Kumar**, N. Murugan and K.K. Ramachandran " Effect of cooling rate on Mechanical and Microstructural Characterization of Friction Stir Welded 316L stainless steel joints", Materials Science Forum Vols. 830-831 (2015) pp 314-318.

10. KK Ramachandran, N. Murugan and **S Shashi Kumar** "Effect of Tool Axis Offset and Geometry of Tool Pin Profile on the Characteristics of Friction Stir Welded Dissimilar Joints of Aluminium Alloy AA5052 and HSLA Steel" Materials Science and Engineering A Vol. 639, 2015, pp. 219-233(Impact Factor: 3.094)

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12. KK Ramachandran , N. Murugan and **S Shashi Kumar** "Influence of tool traverse speed on the characteristics of dissimilar friction stir welded aluminium alloy, AA5052 and HSLA steel joints" Archives of Civil and Mechanical Engineering 15: 48-56 · September 2015. (Impact Factor: 2.216)

13. KK Ramachandran, N. Murugan and **S Shashi Kumar** "Study on Dissimilar Butt Joining of Aluminium Alloy, AA5052 and High Strength Low Alloy Steel through a Modified FSW Process" Materials Science Forum 830-831:278-282 ·September 2015.