

Members from other University / Institutions DC MEMBER DETAILS – 4

Name with full address		Area of specialization
Name	: Dr. C. RATHINASURIYAN	Submerged Friction Stir Welding, Material Characterization, Metal Forming
Designation	: Assistant Professor	
Department	: Mechanical Engineering	
Name of the Organization/Institution	: Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	
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List of publications for last 5 years

1.	Rathinasuriyan, C., & Kumar, V. S. S. (2020). Optimisation of submerged friction stir welding parameters of aluminium alloy using RSM and GRA. <i>Advances in Materials and Processing Technologies</i> , 1–14. doi:10.1080/2374068x.2020.1793264
2.	C Rathinasuriyan, E Pavithra, R Sankar, VS Senthil Kumar. (2020). Current Status and Development of Submerged Friction Stir Welding: A Review. <i>International Journal of Precision Engineering and Manufacturing-Green Technology</i> , pg.1-15.
3.	Umapathi, D., Devaraju, A., Rathinasuriyan, C., & Raji, A. (2019). Mechanical and tribological properties of electroless nickel phosphorous and nickel Phosphorous-Titanium nitride coating. <i>Materials Today: Proceedings</i> . doi:10.1016/j.matpr.2019.11.283
4.	Rathinasuriyan, C., Sankar, R., Shanbhag, A. G., & SenthilKumar, V. S. (2019). Prediction of the Average Grain Size in Submerged Friction Stir Welds of AA 6061-T6. <i>Materials Today: Proceedings</i> , 16, 907–917. doi:10.1016/j.matpr.2019.05.176
5.	Rathinasuriyan Chandran, Sankar Ramaiyan, Avin Ganapathi Shanbhag, Senthil Kumar Velukkudi Santhanam. (2018). Optimization of Welding Parameters for Friction Stir Lap Welding of AA6061-T6 Alloy. <i>Modern Mechanical Engineering</i> , Vol 8, Issue 1, pg 31-41.
6.	Rathinasuriyan Chandran, Senthil Kumar Velukkudi Santhanam, (2018). Submerged Friction Stir Welding of 6061-T6 Aluminium Alloy under Different Water Heads. <i>Materials Research</i> , volume 21, issue 6.
7.	K Anand, S Elangovan, C Rathinasuriyan, (2018). Modeling and prediction of weld strength in ultrasonic metal welding process using artificial neural network and multiple regression method. <i>Materials Science & Engineering International Journal</i> , Vol 2, issue 2, pg 40-47.
8.	Ramaiyan, S., Mani, U., Chandran, R., & Velukkudi Santhanam, S. K. (2017). Optimization of Corrosion Behavior in Submerged Friction Stir Processed Magnesium AZ31B Alloy. <i>Volume 2: Advanced Manufacturing</i> . doi:10.1115/imece2017-72559
9.	Sankar Ramaiyan, Rathinasuriyan Chandran, Senthil Kumar Velukkudi Santhanam. (2017). Effect of cooling conditions on mechanical and microstructural behaviours of friction stir processed AZ31B Mg alloy. <i>Modern Mechanical Engineering</i> , Vol 7, Issue 4, pg 144-160.
10.	Rathinasuriyan, C., & Kumar, V. S. S. (2017). Experimental investigation of weld characteristics on submerged friction stir welded 6061-T6 aluminum alloy. <i>Journal of Mechanical Science and Technology</i> , 31(8), 3925–3933. doi:10.1007/s12206-017-0738-4

11.	Velukkudi Santhanam, S. K., Ramaiyan, S., Rathinaraj, L., & Chandran, R. (2016). Multi Response Optimization of Submerged Friction Stir Welding Process Parameters Using Grey Relational Analysis. Volume 2: Advanced Manufacturing. doi:10.1115/imece2016-65797
12.	C RATHINASURIYAN , VS SENTHIL KUMAR. (2016). Modeling and optimization of submerged friction stir welding parameters for AA6061-T6 alloy using RSM. kovove materialy metallic materials, Volume 54, Issue no 4, pg 297-304.
13.	Dr.V.S.Senthil Kumar C.Rathinasuriyan (2015) Submerged Friction Stir Welding and Processing: Insights of Other Researchers. International Journal of Applied Engineering Research, Volume 10, Issue November 8 special issues, pg 6530-6536.