

Dr.V.S.Senthilkumar

Professor and Head

Central Workshop

vsskumar@annauniv.edu, vssk70@gmail.com

Ph: +044-22357738

Mobile: 9444952438

Educational Profile

Sl.No.	Course	Specialisation	Institution	Year
1.	Ph.D	Mechanical Engineering	Anna University	2005
2.	M.E	Production Engineering	Annamalai University, Chidambaram	1996
3.	B.E	Mechanical & Production Engineering	Annamalai University, Chidambaram	1995
4.	MBA	Production & HR Management	Annamalai University, Chidambaram	2000

Work Experience:

Teaching:

Sl.No.	Post Held	Period	Name of the Organisation/Industry	Nature of Duties
1.	Professor	30.07.2012 to till date	College of Engineering, Anna University, Chennai.	Teaching
2.	Associate Professor	29.07.2006 to 29.07.2012	College of Engineering, Anna University, Chennai.	Teaching
3.	Lecturer	21-7-2005 to 29-7-2006	College of Engineering, Anna University, Chennai.	Teaching
4.	Assistant professor	10-6-2005 to 21-07-2005	Sathyabama University, Chennai.	Teaching
5.	Teaching Research Associate(Mechanical)	19-01-2001 to 18-1-2005	College of Engineering Guindy, Anna University, Chennai	Teaching
6.	Lecturer - (Production Engineering)	16-12-1998 to 18-01-2001	Dr.M.G.R.Engineering College, Chennai.	Teaching

Industry:

Sl.No.	Post Held	Period	Name of the Organisation/Industry	Nature of Duties
1.	Project Engineer	11-06-1998 to 29-11-1998	JNW Engineering Pte. Ltd, Singapore.	Service and Maintenance
2.	Project Engineer	21-06-1997 to 29-04-1998	M/S.Veenus Engineers, Chennai.	Project Executtion

International Journals 119

S.No.	Authors	Title of the Paper	Year	Name of the Journal / Vol. No. / Page No.	Impact Factor
1	Sugumar Suresh, Senthil kumar V.S.	Effects of fabric structure on the formability characteristics of thermoplastic composites under various process conditions	2018	Transactions- Canadian Society for Mechanical Engineering DOI: 10.1139/tcsme-2017-0075	0.36
2	C. Rathinasuriyan, V.S. Senthil Kumar	Submerged friction stir welding under different water heads	2018	Materials Research (Accepted)	1.01
3	Sugumar Suresh, V.S. Senthil Kumar	Effects of process parameters on the mechanical properties of glass fabric reinforced polypropylene composites	2018	Polymer (Korea), Vol. 42, No. 4, pp. 594-602	0.528
4	Sugumar Suresh, V.S. Senthil Kumar	Investigation on static, dynamic and thermal behavior of novel glass fabric reinforced polymer composites	2018	International Journal of Polymer Analysis and Characterization, Accepted for Publication doi.org/10.1080/1023666X.2018.1489454	2.47
5	Sugumar Suresh, V.S. Senthil Kumar	Investigation on influence of stamp forming parameters on formability of Thermoplastic Composite	2018	Polimeros-ciencia e tecnologia, Accepted for Publication (15.05.2018)	0.7
6	Sankar Ramaiyan, Senthil kumar V.S.,	Effect of Scroll Pin Profile and Tool	2018	Materials Research 21(6) DOI: 10.1590/1980-5373-mr-2017-0769	1.01

	Puviyarasan Muthuguru.	Rotational Speed on Mechanical Properties of Submerged Friction Stir Processed AZ31B Magnesium Alloy			
7	Dhanashekar Manickam, Senthil kumar V.S.	Tribological behaviour of squeeze cast Al-Si7Mg/SiC/GR hybrid composites	2018	Journal of the Balkan Tribological Association	0.7
8	S. Prakash, V.S. Senthil Kumar	Open Hole Tensile Behaviour of Nano Fillers (SiC & Banana) in CNSL/Epoxy Resin Reinforced with Basalt fiber	2018	Materials Today: Proceedings Vol 5, 2, Part 2, 8631-8637	-
9	C. Rathinasuriyan, Sankar. R, V.S. Senthil Kumar	Optimization of Welding Parameters for Friction Stir Lap Welding of AA6061-T6 Alloy	2018	Modern Mechanical Engineering, 8, 31-41	-
10	M. Puviyarasan, V. S. Senthil Kumar, D. Viswanathan, K. A. Padmanabhan	On Improving the Formability of AA6061/SiCp Composite Synthesized Using Friction Stir Processing	2017	Materialwissenschaft und Werkstofftechnik Materials Science & Engineering Technology, Vol 48, pp 998-1008	0.41
11	Sankar. R, C. Rathinasuriyan, V.S. Senthil Kumar	Effect of cooling conditions on Mechanical and Microstructural behaviours of friction stir processed AZ31B Mg alloy	2017	Modern Mechanical Engineering , Scientific Research Publishing, 7, pp 144-160	-
12	K. Arul, V. S.	Investigation of chip morphology on	2017	Materials and manufacturing process,	2.27

	Senthil Kumar	turning of monel under different coolants		taylor and francis	
13	S. Prakash, V. S. Senthil Kumar	Static and Dynamic behaviour of banana fibre reinforced hybrid composite	2017	International Journal of Advanced Chemical Science and Applications (IJACSA), Ird India, vol:5, issue 2, issn:2347-7601	-
14	M. Sathiyamoorthy, M. Dhanashekar, V.S. Senthil Kumar	Implementation of Computerized Relative Allocation of Facilities Technique (CRAFT) for redesigning production layout in flywheel manufacturing industry	2017	ADVANCES in NATURAL and APPLIED SCIENCES, Vol 11(8): pp 37-45 /ISSN: 1995-0772	0.34
15	M. Balasubramanian, P. Ganesh , K. Ramanathan, V.S. Senthil Kumar	An Experimental Investigation and Numerical Simulation in SPF of AA 5083 Alloy using Programming Logic Control Approach	2017	Strojniški vestnik - Journal of Mechanical Engineering 63(2017)4, 255-264	0.677
16	C. Rathinasuriyan, V.S. Senthil Kumar	Experimental investigation of weld characteristics on submerged friction stir welded 6061-T6 aluminum alloy	2017	Journal of Mechanical Science and Technology 31 (8) (2017) 3925~3933	1.128
17	R. Sankar, V.S. Senthil Kumar	Effect of the process parameters on magnesium alloy using the submerged friction stir process	2017	Journal of KOVOVÉ MATERIÁLY - METALLIC MATERIALS (Accepted)	0.49
18	C.Ajay Guru Dev, V.S. Senthil	Effective human utilization in an	2017	Human Factors and Ergonomics in Manufacturing & Service Industries,	0.462

	Kumar, G. Rajesh	original equipment manufacturing (OEM) industry by the implementation of agile manufacturing: A POLCA approach		Volume 27, pp 79–86	Wiley
19	K.P. Subramaniya, C. Ajay Guru Dev, V.S. Senthil Kumar	Critical Success Factors: A TOPSIS approach to increase Agility Level in a Textile Industry	2017	Materials Today Proceedings” Volume 4, Issue 2(A), pp 1510-1517	-
20	C. Sakthivel, V.S. Senthil Kumar	Determination Of Hardness And Microstructure During Cross Plastic Flow Evaluation On Twist Extrusion Processes	2017	International Journal of Engineering Sciences & Management Research / ISSN 2349-6193	-
21	U. Mohammed Iqbal , V.S. Senthil Kumar, S. Gopalakannan	Application of Response Surface Methodology in optimizing the process parameters of Twist Extrusion process for AA6061-T6 aluminum alloy	2016	Measurement, Vol 94, pp. 126–138	1.742 Elsevier
22	T. Mayavan, L. Karthikeyan, V.S. Senthil Kumar	Experimental and Numerical Studies on Isothermal and Non-isothermal Deep Drawing of IS 513 CR3 Steel Sheets	2016	Journal of Materials Engineering and Performance, DOI: 10.1007/s11665-016-2325-8	1.094
23	C.Rathinasuriyan, V.S. Senthil Kumar	Modeling and optimization of submerged friction stir welding parameters for	2016	KOVOVÉ MATERIÁLY - METALLIC MATERIALS, Vol 54(4), pp.	0.406

		AA6061-T6 alloy using RSM			
24	K. Balaji, V.S. Senthil Kumar	Evaluation and selection of lean resourced employee in the manufacturing industries using the TOPSIS-Simos method	2016	Proc IMechE Part B: J Engineering Manufacture DOI: 10.1177/0954405416635069	0.954 SAGE
25	E. Pavithra, V.S. Senthil Kumar	Microstructural evolution of hydroformed Inconel 625 bellows	2016	Journal of Alloys and Compounds DOI: 10.1016/j.jallcom.2016.02.011	2.999 Elsevier
26	C.Ajay Guru Dev, V.S. Senthil Kumar	An Analysis on Critical Success Factors for Agile Manufacturing Evaluation in Original Equipment Manufacturing (OEM) Industry - An Ahp Approach	2016	Chinese Journal of Mechanical Engineering, Vol 29(5), pp.	0.598 Springer
27	Muthusamy Balasubramanian, Pasupathy Ganesh, Kalimuthu Ramanathan, V.S.Senthil Kumar	Superplastic Forming of a Three-Stage Hemispherical 5083 Aluminium Profile	2015	Journal of Mechanical Engineering, DOI:10.5545/sv-jme.2014.2178	0.77
28	K.Arul, V.S. Senthil Kumar	Effects Of Nano Cutting Fluids On Different Machining- A Review	2015	International Journal of Applied Engineering Research, Volume 10, Number - 13, pp. 11265-11270.	
29	M.Puviyarasan, V.S. Senthil Kumar	An Experimental Investigation for Multi-Response Optimization of Friction Stir Process	2015	Arabian Journal for Science and Engineering, Volume 40, Issue 6, pp. 1733-1741.	0.367 Springer

		Parameters During Fabrication of AA6061/B4Cp Composites			
30	C.Ajay Guru Dev, V.S. Senthil Kumar	Industrial Perspective On Agile Manufacturing	2015	International Journal of Technical Research and Applications, Special Issue 12(Jan-Feb 2015), PP. 01-03	-
31	R. Lokesh, V.S. Senthil Kumar, C. Rathinasuriyan, R. Sankar	Optimization Of Process Parameters: Tool Pin Profile, Rotational Speed And Welding Speed For Submerged Friction Stir Welding Of Aa6063 Alloy	2015	International Journal of Technical Research and Applications, Special Issue 12(Jan-Feb 2015), pp. 35-38	-
32	C.Rathinasuriyan, V.S. Senthil Kumar	Submerged friction stir welding/processing: Insights of other researchers	2015	International Journal of Applied Engineering Research, Volume 10, Number 8, pp. 6530-6536.	-
33	G.Vigneshwaran, V.S. Senthil Kumar, S.P. Shanmuganatan	Optimization Of Process Parameters In Single Point Incremental Forming Of Aa 6063-O Alloy	2015	International Journal Of Current Engineering And Scientific Research, Volume-2, Issue-2, pp. 8-14	-
34	C.Ajay Guru Dev, G.Rajesh, V.S. Senthil Kumar	Questionnaire Development for the Evaluation of Agility Index in an Original Equipment Manufacturing (OEM) Industry	2015	Applied Mechanics and Materials, Vols 766-767, pp 1214-1220.	TTP 0.2
35	A.Mystica, S.P.Sankavi, V.Siva Sakthi, T.S.Ganesh,	Heat Reduction in a Tool Holder during Friction Stir Welding of Aluminium Alloy	2015	Applied Mechanics and Materials	TTP 0.2

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36	N. Ethiraj, P. Ganesh, V.S.Senthil Kumar	Theoretical Prediction of Thickness Distribution on Warm Deep Drawn AISI 304 Steel Cup	2015	Applied Mechanics and Materials, Vols 766-767, pp 974-981.	TTP 0.2
37	S. Chezian Babu, V.S.Senthil Kumar	Finite Element Analysis and Formability Test on Incremental Forming of IS:513 CR3 Steel Sheets	2015	Applied Mechanics and Materials, Vols 766-767, pp 1109-1115.	TTP 0.2
38	P.Jayaraman, L. Mahesh Kumar, V.S.Senthil Kumar	Taguchi-Fuzzy multi output optimization (MOO) in turning of AA6351	2015	International Journal of Applied Engineering Research, Vol 10(23), pp 43912-43918	
39	P.Jayaraman, L. Mahesh Kumar, V.S.Senthil Kumar	Optimization of Cutting Parameters in Turning of AA6351 Using Response Surface Methodology and Genetic Algorithm	2015	International Journal of Applied Engineering Research, Vol 10(23), pp 43905-43911	