

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
1	Y.C. Lin, Fan Wu, Qian-Wei Wang, Dong-Dong Chen, Swadesh Kumar Singh	Microstructural evolution of a Ni-Fe-Cr-base superalloy during non-isothermal two-stage hot deformation	Vacuum 151 pp 283-293	2018	8
2	Utkarsh Pandey, Rajesh Purohit, Pankaj Agarwal, Swadesh Kumar Singh	Study of Fabrication, Testing and Characterization of Al/TiC Metal Matrix Composites through different Processing Techniques	Materials Today: Proceedings, 5(2) pp 4106-4117	2018	2
3	Kotkunde, N., Krishnamurthy, H.N., Singh, S.K., Jella, G	Experimental and Numerical Investigations on Hot Deformation Behavior and Processing Maps for ASS 304 and ASS 316	High Temperature Materials and Processes 1 pp 1-16	2018	-
4	Tanya Buddi, B. Nageswara Rao, Swadesh Kumar Singh, Rajesh Purohit & R. S. Rana,	Development and analysis of high-density poly ethylene (HDPE) nano SiO <sub>2</sub> and wood powder reinforced polymer matrix hybrid nano composites	Journal of Experimental Nanoscience 139 (1) pp 24-30	2018	-
5	Athale, M., Gupta, A. K., Singh, S. K., & Vaidyanathan, A	Analytical and finite element simulation studies on earing profile of Ti-6Al-4V deep drawn cups at elevated temperatures	International Journal of Material Forming. 11(4) pp 479-490	2018	-
6	R.S. Rana, Rajesh Purohit, Swadesh singh, Saraswati Rana, Amit suhane,	Synthesis & Analysis of Mechanical Properties of LM24/B4C Particulate Composites	Materials Today: Proceedings, 5(1) pp 6038-6044.	2018	-
7	A. Anitha Lakshmi, Ch. Srinivasa Rao, M. Srikanth, K. Faisal, Swadesh Kumar Singh	Prediction of mechanical properties of ASS 304 in superplastic region using artificial neural networks	Materials Today: Proceedings, 5(2) pp 3704-3712.	2018	-
8	Nitin Kotkunde, Hansoge Nitin Krishnamurthy, Amit Kumar Gupta, Swadesh Kumar Singh,	Study of Hot Deformation Behavior Using Phenomenological Based Constitutive Model for Austenitic Stainless Steel 316	Materials Today: Proceedings, 5(2) pp 4870-4877	2018	-
9	K. Limbadri, Krishna Toshniwal, Kurra Suresh, Amit Kumar Gupta, Swadesh Kumar Singhgas	Stress Variation of Zircaloy-4 and Johnson Cook Model for rolled sheets	Materials Today: Proceedings, 5(2) pp 3793-3801.	2018	-
10	Limbadri, K., Swadesh Kumar Singh, <b>Kosaraju Satyanarayana</b> , A. K. Singh, A. Maruthi Ram, Mina Ravindran, KV Mani Krishna,	Orientation-Dependent Tensile Flow Behavior of Zircaloy-4 at Room Temperature	Metallography, Microstructure, and Analysis: 7(4), pp.421-433	2018	-

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
11	Kosaraju, Satyanarayana, M. Vijay Kumar, and N. Sateesh	Optimization of Machining Parameter in Turning Inconel 625	Materials Today: Proceedings 5(2) pp 5343-5348	2018	-
12	Sateesh, N., Rajesh, V., Rao, P. M. V., Satyanarayana, K., & Babu, B. M.	Thermal analysis of carbon composites subjected to various atmospheric conditions.	Materials Today: Proceedings, 5(2) pp 5768-5773	2018	-
13	Nookaraju, B.C., Kurmarao, P.S.V., Nagasarada, S., Karthikeyan, R. and Vinay, A.	Optimization of Process Parameters of Helical Grooved Heat pipe Using Response Surface Methodology.	Materials Today: Proceedings, 5(2) pp 5262-5271	2018	-
14	Sekhar, S.R., Chittaranjandas, V., Govardhan, D. and Karthikeyan, R.	Effect of tool rotational speed on friction stir spot welded AA5052-H38 aluminum alloy.	Materials Today: Proceedings, 5(2) pp 5536-5543.	2018	-
15	U.S.Jyothi and K.Vijay Kumar Reddy	Effect of combustion chamber geometry on performance and combustions characteristics of hydrogen enriched diesel engine	International journal of applied engineering research 13(10) pp 7998-8004	2018	-
16	Siva Rama Krishna, L.a , Mahesh, N.a , Sateesh, N.b	Topology optimization using solid isotropic material with penalization technique for additive manufacturing	Materials Today: Proceedings, 4(2) pp 1414-1422	2017	4
17	U.S.Jyothi and K.Vijay Kumar Reddy	Experimental Study on Performance, Combustion and Emissions of Diesel Engine with Re-entrant Combustion Chamber of Aluminum Alloy	Elsevier, Materials today: proceedings 4(2) pp 1332-1339	2017	3
18	Christy, Anisha, Rajesh Purohit, R. S. Rana, Swadesh Kumar Singh, and Saraswati Rana.	Development and analysis of epoxy/nano sio2 polymer matrix composite fabricated by ultrasonic vibration assisted processing	Materials Today: Proceedings. 4(2) pp 2748-2754	2017	2
19	Bhramara, P and Venkata Suresh	CFD Analysis of Multi turn Pulsating Heat pipe	Materials Today: Proceedings, 4(2) pp 2701-2710	2017	2
20	Reddy, K. Prashanth, and Bhramara Panitapu	High thermal conductivity mold insert materials for cooling time reduction in thermoplastic injection molds.	Materials Today: Proceedings 4(2) pp 519-526.	2017	1
21	Surendarnath, S. , Subbiah, R. , Sankaranarayananasamy, K. , Ravisankar, B.	Finite Element Simulation of Pure Aluminum Processed by ECAP Using New Die Design	Materials Today: Proceedings, 4(2) pp 2544-2553	2017	1

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
22	Limbadri, K, Krishnamurthy, H.N , Maruthi Ram, A , Saibaba, N, Kutumba Rao, V.V , Murthy, J.N , Gupta, A.K, Singh S K	Development of Johnson Cook Model for Zircaloy-4 with Low Oxygen Content	Materials Today: Proceedings, 4(2) pp 966-974	2017	1
23	Lakshmi Kanumuri, D V Pushpalatha and Swadesh Kumar Singh	A Hybrid neural network - genetic algorithm for prediction of mechanical properties of ASS-304 at elevated Temperatures	Materials Today Proceedings 4(2) pp 746-751	2017	1
24	A. Anitha Lakshmi, J Gangadhar, Srinivas, Ch Srinivasu and Swadesh Kumar Singh	Review of Processing Maps and development of qualitative processing maps	Materials Today Proceedings 4(2) pp. 946-956.	2017	1
25	R.Karthekeyan, V. Balasubramanyam	Optimization of Electrical Resistance Spot Welding and Comparison with Friction Stir Spot Welding of AA2024-T3 Aluminum Alloy Joints.	<i>Materials Today: Proceedings</i> , 4(2) pp 1762-1771.	2017	1
26	S. Ravi Sekhar, V. Chittaranjandas D Govardhan	Friction Surfacing Process of Stainless-Steel Alloys	International Journal of Mechanical Engineering and Technology 8(7) pp. 613–626	2017	-
27	Nookaraju, B. Ch, PSV Kurma Rao, and S. Naga Sarada	Experimental and Numerical investigation on enhancement in thermal characteristics of Sintered Copper wick Heat pipe using deionized water as fluid	Materials Today: Proceedings 4(2) pp 1321-1331	2017	-
28	Karunya, G., P. Ravikumar, P. Geeta Krishna, and P. Shiva Krishna	Optimization of The Surface Roughness by Applying the Taguchi Technique for The Turning of AISI 304 Austenitic Stainless steel	International Journal of Mechanical Engineering and Technology 8 (8) pp 12-18	2017	-
29	Buddi, T , Mahesh, K , Muttill, N , Rao, B.N , Nagalakshmi, J , Singh, S.K	Characterization of Plywoods Produced by Various Bio-Adhesives	Materials Today: Proceedings, 4(2) pp 496-508.	2017	-
30	Vengalrao, K. Phaneendra Kumar, K. Ravi Shanker, D.V. Srinivasababu, N. Sateesh, N.	An Investigation on RTM Process Parameters and their Influence on Impact Failure Behavior of FRP Laminates	Materials Today: Proceedings, 4(2) pp 2167-2173.	2017	-
31	Ravisekhar, S., Das, V.C. , Govardhan, D.	Friction Surfaced Deposits for Industrial Applications	Materials Today: Proceedings, 4(2) pp 3796-3801.	2017	-
32	Kotkunde, N., Krishna, G., Shenoy, S. K., Gupta, A. K., & Singh, S. K.	Experimental and Theoretical investigation of forming limit diagram for Ti-6Al-4V alloy at warm condition.	International Journal of Material Forming 10 (2) pp 255–266	2017	10

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
33	Lade Jayahari, Swadesh Kumar Singh and B.Balunaik,	Investigation of high temperature forming of ASS 304 using BARLAT 3 - Parameter Model	Materials Today Proceedings 4(2) pp.799-804.	2017	-
34	R Raman Goud K Eshwara Prasad Swadesh Kumar Singh and George Varghese	Thickness Distribution of Extra Deep Drawn steel in stretch forming at elevated Temperatures	Materials Today Proceedings 4(2) pp. 827 – 834	2017	-
35	Nitin Kotkunde, Aditya Balu, Amit Kumar Gupta and Swadesh Kumar Singh	Development of Predictive Models for Formability Study of Ti-6Al-4V alloy at Elevated Temperatures	Materials Today Proceedings 4(2) pp.937-945.	2017	-
36	Ch Srinivasu, J Gangadhar and Swadesh Kumar Singh,	Study of Limiting Dome Height in warm forming of ASS-304 using Finite Element	Materials Today Proceedings 4(2) pp. 957-965.	2017	-
37	Neeraj Dubey , Geeta Agnihotri, Rajesh Purohit and Swadesh Kumar Singh,	Investigation of Midrib of Cocos nucifera Leaves for Reinforcement of Polyester	Materials Today Proceedings 4(2) pp. 3346-3355.	2017	-
38	Siddharth Patel, R. S. Rana, Saraswati Rana and Swadesh Kumar Singh	Study on mechanical properties of environment friendly Aluminium E-waste Composite with Fly ash and E-glass fiber	Materials Today Proceedings 4(2) pp. 3441-3450.	2017	-
39	Nitin Kotkunde, Amit Kumar Gupta, Prudvi Reddy Paresi, Swadesh Kumar Singh	Experimental and Finite Element Studies of Stretch Forming Process for Ti-6Al-4V Alloy at Elevated Temperature	Materials Today Proceedings 4(2) pp.5266 – 5273	2017	-
40	Swadesh Kumar Singh, Raghunandan Pratoori, Prudvi Reddy Paresi, Nitin Kotkunde, Amit Kumar Gupta	Experimental and Finite Element Studies of Redrawing for ASS 316 at Elevated Temperatures	Materials Today Proceedings 4(2) pp. 5274 – 5281	2017	-
41	M.Praneeth, A.Anitha Lakshmi, R.Karthekeyan	Effect of welding parameters on friction stir welded AL64430 and PURE COPPER.	International Journal of Engineering Technology science & Research 4(11) pp 870-877	2017	-
42	Rajesh, V., P. M. V. Rao, and N. Sateesh.	Investigation of Carbon Composites Subjected to Different Environmental Conditions.	<i>Materials Today: Proceedings</i> 4(2) pp 3416-3421.	2017	-
43	Raghuram Karthik Desu, Hansoge Nitin Krishnamurthy, Aditya Balu, Amit Kumar Gupta, Swadesh Kumar Singh,	Mechanical properties of Austenitic Stainless Steel 304L and 316L at elevated temperatures	Journal of Materials Research and Technology 5(1) pp 13-20	2016	29

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
44	Gupta, A.K, Deole, A , Kotkunde, N, Singh, S.K , Jella, G	Analysis of earing behavior in deep drawing of ASS 304 at elevated temperature	Journal of Physics: Conference Series 734 (3) art. no. 032119,	2016	23
45	A.K. Gupta, S.M. Tejveer, <b>S.K. Singh</b>	Constrained Groove Pressing for Sheet Metal Processing	Progress in Materials Science 84 pp 403-462	2016	9
46	Venkateswarlu, K., B. S. R. Murthy, and V. V. Subbarao	An experimental investigation to study the effect of fuel additives and exhaust gas recirculation on combustion and emissions of diesel-biodiesel blends.	The Journal of Brazilian Society of Mechanical Sciences and Engineering 38(3) pp 735-744.	2016	9
47	K. Sajun Prasad, Amit Kumar Gupta, Yashjeet Singh & Swadesh Kumar Singh	A Modified Mechanical Threshold Stress Constitutive Model for Austenitic Stainless Steels	Journal of Materials Engineering and Performance 25 pp 5411–5423	2016	8
48	Nitin Kotkunde, Sashank Srinivasan, Geetha Krishna, Amit Kumar Gupta and <b>Swadesh Kumar Singh,</b>	Influence of Material Models on Theoretical Forming Limit Diagram Prediction for Ti-6Al-4V Alloy at Warm Condition	International Journal of Transactions of Nonferrous Metals Society of China 26(3) pp 736–746	2016	7
49	Reddy, L. Rajeev, and Ram Subbiah.	Salt Bath Nitriding On 316l Austenitic Stainless Steels	International Journal of Aerospace and Mechanical Engineering 3(5) pp14-18	2016	-
50	<b>Swadesh Kumar Singh,</b> Desu Raghuram and A K Gupta,	Comparative study of warm and hydromechanical deep drawing for low-carbon steel	International Journal of Advanced Manufacturing Technology 85(1) pp 661-672	2016	2
51	Giridhar, P., Ram Subbiah, Kosaraju Satyanarayana, N. Sateesh	Impact of CrN PVD Coating Thickness on 316l Austenitic Stainless-Steel Wear Resistance	International Journal for Innovative Research in Science & Technology 3 pp 96-99.	2016	-
52	Lenkala Rajeev reddy Dr Ram Subbiah	Improvement Of 316l Stainless Steel Properties by Gas Nitriding	International Research Journal of Engineering and Technology 3(11) pp 1054 -1057	2016	-
53	Amit Kumar Gupta, Aditya Deole, Nitin Kotkunde, Swadesh Kumar Singh, Gangadhar jella,	Analysis of earing behavior in deep drawing of ASS 304 at elevated temperature	Journal of Physics: Conference Series 734(3) art. no. 032119	2016	-
54	Krishna, Doneti Gopi, Sravan Sashank, Kosaraju Satyanarayana, N. Sateesh, J Pavanu Sai	Influence of Cutting Speed on Surface Roughness and Cutting Forces for Steel Materials by using Carbide Insert Tool Bit in Turning Operation	International Journal for Innovative Research in Science & Technology 3 pp 7-17	2016	-

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
55	Ganesh, R , Subbiah, R	Effect Of TiN Vs AlTiN PVD Coating Thickness On 316l Austenitic Stainless Steel Material Wear Resistance	International Journal of Aerospace and Mechanical Engineering 3(5) pp 19-21	2016	-
56	Balaji, V., N. Sateesh, and M. Manzoor Hussain.	Manufacture of aluminium metal matrix composite (Al7075-SiC) by stir casting technique	Materials Today: Proceedings 2(4-5) pp 3403-3408.	2015	21
57	Syed Mujahed Hussaini, <b>Swadesh Kumar Singh</b> and Amit Kumar Gupta	Development of Experimental and Theoretical Forming Limit Diagrams for Warm Forming of Austenitic Stainless Steel 316	Journal of Manufacturing Processes 18 pp 151–158	2015	18
58	Rajesh Purohit, R.S. Rana, R.K. Dwivedi, Deepen Banoriy and <b>Swadesh Kumar Singh</b>	Optimization of electric discharge machining of M2 tool steel using grey relational analysis	Materials Today : Proceedings 2(4-5) pp 3378-3387	2015	9
59	<b>Satyanarayana Kosaraju</b> and Chandraker, Satyam	Taguchi Analysis on Cutting Force and Surface Roughness in Turning MDN350 Steel	Materials Today: Proceedings 2(4) pp 3388- 3393	2015	8
60	Ganesh, R , Subbiah, R , Chandrasekaran, K	Dry Sliding Wear Behavior of Powder Metallurgy Aluminium Matrix Composite	Materials Today: Proceedings, 2 (4-5) pp. 1441-1449.	2015	6
61	Sateesh, N., Rao, P. S., Ravishanker, D. V., & Satyanarayana, K	Effect of Moisture on GFRP Composite Materials	Materials Today: Proceedings, 2(4) pp 2902-2908	2015	6
62	Nookaraju, B. Ch, PSV Kurma Rao, and S. Naga Sarada	Thermal Analysis of Gravity Effected Sintered Wick Heat Pipe	Materials Today: Proceedings, 2(4) pp 2179-2187	2015	2
63	Tanya Buddi, Nitin muttil, B. Nageswara Rao, <b>Swadesh Kumar Singh</b> ,	Development of a Soya Based Adhesive in Plywood Manufacturing	Materials Today : Proceedings 2(4-5) pp 3027-3031	2015	2
64	Lade Jayahari, Banoth Balunaik Amit Kumar Gupta, <b>Swadesh Kumar Singh</b>	Finite element Simulation studies of AISI 304 for deep drawing at various temperatures	Materials Today : Proceedings 2(4-5) pp.1978-1986.	2015	2
65	Deepthi, T.V., Reddy, C.S. , Satyadevi, A.	Recent Trends in Elastic-Plastic Analysis U sing Elastic Solutions	Materials Today: Proceedings, 2 (4-5) pp. 2188-2197	2015	1
66	B.Ch. Nookaraju P S V Kurmarao H.Prashanth C.Pradeep	experimental study on behavior of sintered copper wick heat pipe at different orientation	International Journal of Innovative Research in Advanced Engineering 5(2) pp 176-180	2015	1
67	Nitin Kotkunde, Amit Kumar Gupta, Swadesh Kumar Singh,	Formability Study of Ti-6Al-4V Alloy at Warm Condition	Advances in Materials and Processing Technologies 1(1-2) pp 210-222	2015	1

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
68	Jella Gangadhar, K.Sai Kiran Reddy, R Raman Goud, PAPAN Varma, K Eshwara Prasad, George Varghese, Amit Kumar Gupta and <b>Swadesh Kumar Singh</b>	Finite Element Simulation of Direct Redrawing Process of EDD Steel at Elevated Temperatures	Materials Today : Proceedings 2(4-5) pp.1968-1977	2015	1
69	Ashok Kumar, M. , Prasad, A.M.K , Ravishankar, D.V. , Sateesh, N , Ravi, D.	Effect of Indenter Displacement On angle Plyed Composite Plates Subjected to Quasi-Static Loading	Materials Today: Proceedings, 2 (4-5) pp. 2938-2943.	2015	-
70	Nookaraju, B.Ch.a , Kurma Rao, P.S.V.a , Nagasarada, S.b	optical Analysis of Thermal Performance in Heat Pipes	Procedia Engineering 127 pp. 800-808.	2015	-
71	Eshwara K. Prasad, Raman R. Goud, Swadesh Kumar Singh, N. Sateesh	Construction of Strain Distribution Profiles of EDD Steel at Elevated Temperatures	International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering 9(12) pp 1320-1326	2015	-
72	Rajesh Purohit, Neelesh Kumar Gupta, Murli Raj Purohit, Akshat Patil, R.K.Bharilya, <b>Swadesh Kumar Singh</b>	An Investigation on manufacturing of self-healing materials	Materials Today Proceedings 2(4-5) pp 3371-3377	2015	-
73	SM Hussaini, Swadesh Kumar Singh Amit Kumar Gupta	Formability studies of ASS 316 under different forming conditions	Materials Today : Proceedings 2(4-5) pp 1987-1995.	2015	-
74	Chadaram Srinivasu, Vishnu, Limbadri, R. Raman Goud, K. Eshwara Prasad, George Varghese, <b>Swadesh Kumar Singh</b> , Amit Kumar Gupta,	Finite Element Simulation of Stretching Operation of EDD Steel at Different Temperatures	Materials Today : Proceedings 2(4-5) pp 1959-1967.	2015	-
75	Lakshmi Kanumuri, Srishuka M., Amit Kumar Gupta, <b>Swadesh Kumar Singh</b> ,	Application of Support Vector Regression on Mechanical Properties of Austenitic Stainless Steel 304 at Elevated Temperatures	Materials Today: Proceedings 2(4-5) pp 1479-1486.	2015	-
76	K Limbadri, Jella Gangadhar, A. Maruti Ram and <b>Swadesh Kumar Singh</b>	Review of Formability in Relation to Texture	Materials Today : Proceedings 2(4-5) pp 2198-2204.	2015	-
77	<b>Satyanarayana, Kosaraju</b> , Anne Venu Gopal, and N. Ravi.	Studies on surface integrity and its optimization in turning Ti-6Al-4v	International Journal of Precision Technology 5(3-4) pp 312-329	2015	-

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
78	Madhu, Pudiri, N. Sateesh, Neela Praveen, and Karampuri Satish	Modeling and Simulation of Fins for 150cc Engine	Indian Journal of Applied research 5(1) pp 24-32	2015	-
79	Venkateswarlu, K., B. S. R. Murthy, and V. V. Subbara	Performance and Emission Improvement of Biodiesel Fueled Diesel Engine with Exhaust Gas Recirculation and Ethyl Hexyl Nitrate Additive	International journal of Bio-science and Bio-technology 7(2) pp 87-106	2015	-
80	U.S.Jyothi and K.Vijay Kumar Reddy	Effect on Performance and Combustion Characteristics of Diesel Engine enriched with Hydrogen with Varied Piston Bowl Geometry	International Journal of Mechanical Engineering and Technology 6 pp 39-47	2015	-
81	U.S.Jyothi and K.Vijay Kumar Reddy	Effect on Performance, Combustion and Emissions of Diesel Engine with Varied Piston Bowl Geometry	International Journal of Research in Mechanical Engineering 3(5) pp 22-27	2015	-
82	U.S.Jyothi and K.Vijay Kumar Reddy	Experimental study on Hydrogen enriched diesel engine with varied piston bowl geometry for emission reduction	i-Manager's Journal on Mechanical Engineering 6(1) pp 16-21	2015	-
83	Nitin Kotkunde, Aditya D. Deole, Amit Kumar Gupta and <b>Swadesh Kumar Singh</b>	Comparative study of constitutive modeling for Ti-6Al-4V alloy at low strain rates and elevated temperatures	Materials and Design 55 pp 999-1005.	2014	69
84	Nitin Kotkunde, <b>Swadesh Kumar Singh</b> and Amit Kumar Gupts	Microstructure Study and Constitutive Modeling of Ti-6Al-4V Alloy at Elevated Temperatures	Materials and Design 54 pp.96-103.	2014	62
85	Nitin Kotkunde , Aditya D. Deole , Amit Kumar Gupta, Swadesh Kumar Singh, Aditya B,	Failure and formability studies in warm deep drawing of Ti-6Al-4V alloy	Materials and Design 60 pp 540-547.	2014	36
86	Nitin Kotkunde, Aditya D. Deole, Amit Kumar Gupta, Swadesh Kumar Singh	Experimental and Numerical investigation of Anisotropic Yield Criteria for Warm Deep Drawing of Ti-6Al-4V Alloy	Materials and Design 63 pp 336-344.	2014	32
87	Lade Jayahari, PV Sasidhar, P Prudvi Reddy, B. Balu Naik, AK Gupta and <b>Swadesh Kumar Singh,</b>	Formability studies of ASS 304 and evaluation of friction for Al in deep drawing setup at elevated temperatures using LS-DYNA	Journal of King Saud University - Engineering Sciences, 26(1) pp 21-31	2014	23
88	Syed Mujahed Hussaini, <b>Swadesh Kumar Singh</b> and Amit Kumar Gupta,	Experimental and Numerical Investigation of Formability for Austenitic Stainless Steel 316 at Elevated Temperatures	Journal of Materials Research and Technology 3(1) pp 75-80.	2014	13



**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
89	<b>Swadesh Kumar Singh,</b> Vinay Kumar, Prudvi Reddy P and A K Gupta,	Finite Element Simulation of Ironing process under warm conditions	Journal of Materials Research and Technology 3(1) pp.71-78.	2014	13
90	Satyanarayana, Kosaraju, Anne Venu Gopal, and Popuri Bangaru Babu	Analysis for optimal decisions on turning Ti–6Al–4V with Taguchi–grey method	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 228(1) 152-157	2014	13
91	Nitin Muttill, J S Ravichandra, Graham Thorpea Stephan Bigger and <b>Swadesh Kumar Singh,</b>	Comparative Study of bond strength of Formaldehyde and Soya based adhesive in wood fibre plywood	Procedia Material Science 6 pp 2-9.	2014	11
92	Goud, R. Raman, K. Eswar Prasad, and Swades Kumar Singh	Formability limit diagrams of extra-deep-drawing steel at elevated temperatures	Procedia materials science 6 pp 123-128	2014	10
93	Lade Jayahari, B Balu Naik and <b>Swadesh Kumar Singh</b>	Effect of process parameters and metallographic studies of ASS-304 Stainless Steel at various temperatures under warm deep drawing	Procedia Material Science Vol 6, 2014 pp 115-122.	2014	7
94	Syed Mujahed Hussaini, <b>Swadesh Kumar Singh,</b> Amit Kumar Gupta,	Formability and fracture studies of austenitic stainless steel 316 at different temperatures	Journal of King Saud University - Engineering Sciences 26(2) pp 184-190	2014	6
95	L. Jaya Hari, B Balu Naik and Amit Kumar Gupta and Swadesh Kumar Singh	Metallurgical studies studies of Austenitic Stainless Steel-304 under warm deep drawing	Journal of Iron and Steel Research 21(12) pp 1147-1151.	2014	6
96	Amit Kumar Gupta, Hansoge Nitin Krishnamurthy, Pavan Puranik, Swadesh Kumar Singh, Aditya Balu	An exponential strain dependent Rusinek–Klepaczko model for flow stress prediction in austenitic stainless steel 304 at elevated temperatures	Journal of Materials Research and Technology 3(4) pp 370-377.	2014	3
97	Hussaini SM, Gupta AK, <b>Singh SK,</b>	Investigation of Material Model for Simulations of Deep Drawing in Dynamic Strain Aging Region	Procedia Material Science 6 pp 1157-1160.	2014	3
98	N.Sateesh	Improvement in motion characteristics of cam-follower systems using NURBS	International Journal on Design and Manufacturing Technologies . 8(2) pp 15-21	2014	3

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
99	Nitin Kotkunde, Aditya Balu, Amit Kumar Gupta, Swadesh Kumar Singh,	Flow stress Prediction of Ti-6Al-4V alloy at elevated temperature using artificial neural network	Applied Mechanics and Materials 612 pp 83-88	2014	2
100	Syed Mujahed Hussaini, <b>Swadesh Kumar Singh</b> and Amit Kumar Gupta	Formability of Austenitic Stainless Steel 316 sheet in Dynamic Strain Regime	Acta Metallurgica Slovaca 20(1) pp 71-81	2014	2
101	<b>Swadesh Kumar Singh</b> and Amit Kumar Gupta,	Comparison of Ironing in warm and Hydromechanical deep drawing of low Carbon steel	Material Science Forum 774 pp 203-210	2014	2
102	Goud, R. Raman, K. Eswar Prasad, and Swades Kumar Singh	Metallurgical Studies of Extra deep drawn steel stretch forming at elevated temperatures	Journal of Manufacturing Engineering 9(3) pp128-134	2014	-
103	Nitin Kotkunde, Aditya D Deole, Amit Kumar Gupta, Swadesh Kumar Singh	Analysis of Thickness Strain Prediction in Warm Deep Drawing of Ti-6Al-4V Alloy	Advanced Materials Research 979 pp 52-56.	2014	-
104	R.Ramangoud, K. Eshwar prasad and <b>Swadesh Kumar Singh</b>	Construction of formability limit diagrams for EDD steel at elevated temperatures	Procedia Material Science 6 pp 123-128	2014	-
105	U.S.Jyothi and K.Vijay Kumar Reddy	The Impact on Combustion, Performance and Emissions of CI Diesel Engine using Hydrogen as Dual Fuel Operation -A review,	International Journal of Emerging Technology and Advanced Engineering 4(11) pp 870-877	2014	-
106	Amit Kumar Gupta, V.K. Anirudh, <b>Swadesh Kumar Singh</b>	Constitutive models to predict flow stress in Austenitic Stainless Steel 316 at elevated temperatures	Materials and Design 43, pp.410-418	2013	52
107	Amit Kumar Gupta, Hansoge Nitin Krishnamurthy, Yashjeet Singh, Kaushik Manga Prasad and <b>Swadesh Kumar Singh</b>	Development of Constitutive Models for Dynamic Strain Aging Regime in Austenitic Stainless Steel 304	Materials and Design 45 pp 616-627	2013	40
108	Venkateswarlu, Kavati, Bhagavathula Sree Ramachandra Murthy, and Vissakodeti Venkata Subbarao	The Effect of Exhaust Gas Recirculation and Di-Tertiary Butyl Peroxide on Diesel-Biodiesel Blends for Performance and Emission Studies	International Journal of Advanced Science and Technology 54 pp 49-60	2013	18
109	Kosaraju, Satyanarayana, Venu Gopal Anne, and Bangaru Babu Popuri.	Online tool condition monitoring in turning titanium (grade 5) using acoustic emission: modeling	The International Journal of Advanced Manufacturing Technology 67(5-8) pp 1947-1954	2013	13

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
110	Kosaraju, Satyanarayana, and Venu Gopal Anne.	Optimal machining conditions for turning Ti-6Al-4V using response surface methodology	Advances in Manufacturing 1(4) pp 329-339	2013	12
111	R.Karthekeyan, V. Balasubramanyam	Statistical optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA7075 aluminum alloy	International Journal of Experimental Techniques 37 (2) pp 6-15	2013	12
112	Kumar, Ramanuj, Ashok Kumar Sahoo, K. Satyanarayana, and G. Venkateswara Rao	Some studies on cutting force and temperature in machining Ti-6Al-4V alloy using regression analysis and ANOVA.	International Journal of Industrial Engineering Computations. 4 pp 427-436	2013	8
113	Satyanarayana, Kosaraju, Anne Venu Gopal, and Popuri Bangaru Babu	Design optimisation of machining parameters for turning titanium alloys with Taguchi-Grey method	International Journal of Machining and Machinability of Materials 13(2-3) pp 191-202.	2013	6
114	Ramanuj kumar, A K Sahoo and Satyanarayana Kosaraju	Finite element simulation of forces and temperature in turning titanium alloy using DEFORM 3D	International Journal of Mechanical Engineering and Research, 3(5) pp 330-334	2013	2
115	Raman Goud.R, Eswar Prasad.K, Swadesh Kumar Singh	Redrawing of EDD steel at Elevated Temperature	International Journal of Advanced Materials Manufacturing and Characterization 4(1) pp 75-80.	2013	-
116	SM Hussaini, S K. Singh, A K Gupta	Experimental investigation of Dynamic strain aging regime in Austenitic Stainless Steel 316	International Journal of Engineering Research & Technology 2(8) pp 1691-1694	2013	-
117	Lade Jayahari, Swadesh Kumar Singh and B.Balunaik,	Some aspects of formability of ASS 304 under warm conditions	Journal of manufacturing engineering 8(4) pp 221-224	2013	-
118	Nitin Kotkunde, Nitin Krishnamurthy, A. K. Gupta, <b>S. K. Singh</b>	Development of Modified Arrhenius Model for Ti-6Al-4v Alloy to Predict the Flow Stress	International Journal of Advanced Materials Manufacturing and Characterization 3(1) pp 83-87	2013	-
119	Nitin Krishnamurthy, Yashjeet Singh, A K Gupta, <b>S K Singh</b>	Prediction of Deformation Behavior of Austenitic Stainless Steel 304 in Dynamic Strain Aging Regime	International Journal of Advanced Materials Manufacturing and Characterization 3(1) pp 143-147	2013	-

**Published Papers in Journals (Department of Mechanical Engineering)**

Sl.No	Author details	Document Title	Source	year	Cited by
120	Satyanarayana Kosaraju, Venu Gopal Anne and Bangaru Babu Popuri	Experimental Investigations and Modeling of Machining Titanium Alloy – Ti-6Al-4V	International Journal of Applied Mechanics and materials. 315 pp 562-566	2013	-
121	Venkateswarlu, K., K. Vijaya Kumar, B. S. R. Murthy, and V. V. Subbarao.	Effect of exhaust gas recirculation and ethyl hexyl nitrate additive on biodiesel fuelled diesel engine for the reduction of NO x emissions.	Frontiers in Energy vol 6(3) (2012) pp 304-310.	2012	25
122	R.Karthekeyan, V. Balasubramanyam	Optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA6061 aluminum alloy.	International Journal of Manufacturing Research 7(3) pp 257-272.	2012	5
123	Swadesh Kumar Singh, PV Sasidhar, P Prudvi Reddy, Vinay Kumar,MS Hallika and AK Gupta	Study of Formability and Friction in Warm Forming of Aluminum IS 737 Alloy	International Journal of Advanced Materials Manufacturing and Characterization 1(2) pp 209-216	2012	-
124	K. Rakesh Varma, PAPN Varma, KGK Murti, AVS Raju and <b>Swadesh Kumar Singh,</b>	Mathematical modelling and experimental validation of excessive ironing of EDD steel in deep drawing setup in Warm conditions	International Journal of Advanced Materials Manufacturing and Characterization 1(1) pp 165-172.	2012	-
125	Amit Kumar Gupta, <b>Swadesh Kumar Singh,</b> M. Swathi and H. Gokul	Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network	Materials and Design 35, pp.589-595.	2012	-
126	Sadasiva Rao T., Satyanarayana K., Praneeth Y., Venu Gopal A	Studies on The Effect of Approach Angle and Process Parameters in Face Milling	International Journal of Applied Mechanics and materials. 116 pp 3147-3155	2012	-