

LIST OF PUBLICATIONS: DR.L.A.KUMARASWAMIDHAS

Sl.No.	Authors Name	Title	Journal Name	Vol./ Page	IF	Publisher	SCI / SCO	DOI	Q Ranking
2023									
144	Kumaran Bharatheedasan Tanmoy Maity L.A. Kumaraswamidhas Muruganandam Durairaj	An intelligent of fault diagnosis and predicting remaining useful life of rolling bearings based on convolutional neural network with bidirectional LSTM	Sadhana	Vol. 48, 131	1.6	Indian Academy of Sciences	SCI	https://doi.org/10.1007/s12046-023-02169-1 ISSN 0256-2499	Q2
143	Prem shankar kumar L.A. Kumaraswamidhas S.K. Laha	Assessment of Rolling Element Bearing Degradation Based on Dynamic Time Warping, Kernel Ridge Regression and Support Vector Regression	Applied Acoustics	Vol. 208, pp. 109389	3.6	Elsevier	SCI	https://doi.org/10.1016/j.apacoust.2023.109389 ISSN 0003-682X	Q1
142	Payal Banerjee, Srajan Dalela, P. S. Balaji, S. Murugan L. A. Kumaraswamidhas	Simultaneous vibration isolation and energy harvesting using quasi-zero-stiffness-based metastructure	Acta Mechanica	Vol. xx, pp. xxxx	2.7	Springer	SCI	https://doi.org/10.1007/s00707-023-03553-y ISSN 1619-6937	Q2
141	SK Tiwari L.A. Kumaraswamidhas N Garg	Accuracy of temporal sampling strategies for the estimation of the annual average equivalent noise levels in urban scenario	Journal of Metrology Society of India (MAPAN)	Vol. xx, pp. xxxx	1.4	Springer	SCI	https://doi.org/10.1007/s12647-023-00624-2 ISSN 0970-3950	Q4
140	Shashi Kant Tiwari L.A. Kumaraswamidhas Prince Mustafa Kamal Masood ur Rehman	A hybrid deep leaning model for prediction and parametric sensitivity analysis of noise annoyance	Environmental Science and Pollution Research	Vol. xx, pp. xxxx	5.8	Springer	SCI	https://doi.org/10.1007/s11356-023-25509-4 ISSN 0944-1344	Q1
2022									
139	Kaviraj Ramar L. A. Kumaraswamidhas P. S. Balaji A. Agasthian	Whole Body Vibration Impact Assessment on Dumper Operator Using Computational Learning Technique	International Journal of Precision Engineering and Manufacturing	Vol. 64, pp. 1279-1292	1.9	Springer	SCI	https://doi.org/10.1007/s12541-022-00732-0 ISSN 2234-7593	Q3
138	SK Tiwari L.A. Kumaraswamidhas N Garg	Time-series prediction and forecasting of ambient noise levels using deep learning and machine learning techniques	Noise Control Engr. J	Vol. 70(5), 456-471	0.4	INCE-USA	SCI	https://doi.org/10.3397/1/377039 ISSN 0736-2501	Q4

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137	SK Tiwari L.A. Kumaraswamidhas C Gautam N Garg	An auto-encoder based LSTM model for prediction of ambient noise levels	Applied Acoustics	Vol. 195, 108849	3.6	Elsevier	SCI	https://doi.org/10.1016/j.apacoust.2022.108849 ISSN 0003-682X	Q1
136	Rakesh Prasad Shatrughan Soren L.A. Kumaraswamidhas Chandan Pandey S.K.Pan	Experimental Investigation of Different Fineness and Firing Temperatures on Pellets Properties of Different Iron Ore fines from Indian Mines	Materials	Vol. 15(12), 4220	3.8	MDPI	SCI	https://doi.org/10.3390/ma15124220 ISSN 1996-1944	Q1
135	Manvendra Yadav L.A. Kumaraswamidhas Sudhir Kumar Singh	Investigation of solid particle erosion behavior of Al-Al ₂ O ₃ and Al-ZrO ₂ metal matrix composites fabricated through powder metallurgy technique	Tribology International	Vol. 172, 107636	6.2	Elsevier	SCI	https://doi.org/10.1016/j.triboint.2022.107636 ISSN 0301-679X	Q1
134	Y. Thooyavan L.A. Kumaraswamidhas R. Edwin Raj J.S. Binoj B. Brailson Mansingh	Failure analysis of basalt bidirectional mat reinforced micro/nano Sic particle filled vinyl ester polymer composites	Engineering Failure Analysis	Vol. 136, 106227	4.0	Elsevier	SCI	https://doi.org/10.1016/j.engfailanal.2022.106227 ISSN 1350-6307	Q1
133	Y. Thooyavan, L.A.Kumaraswamidhas R.D. Edwin Raj J.S. Binoj B.B. Mansingh	Effect of combined micro and nano silicon carbide particles addition on mechanical, wear and moisture absorption features of basalt bidirectional mat/vinyl ester composites	Polymer Composites	Vol. 43(5), PP 2574 - 2583	5.2	Wiley	SCI	https://doi.org/10.1002/pc.26557 ISSN 1548-0569	Q1
132	Y.Thooyavana L.A.Kumaraswamidhas R. EdwinRaj J.S.Binoj	Influence of SiC micro and nano particles on tribological, water absorption and mechanical properties of basalt bidirectional mat/vinyl ester composites	Composites Science and Technology	Vol. 219, 109210	9.1	Elsevier	SCI	https://doi.org/10.1016/j.compscitech.2021.109210 ISSN 0266-3538	Q1
131	G Suresh Kumar L.A.Kumaraswamidhas	Failure analysis of crack on cold-rolled steel panels of truck cabin	Engineering Failure Analysis	Vol. 132, 105943	4.0	Elsevier	SCI	https://doi.org/10.1016/j.engfailanal.2021.105943 ISSN 1350-6307	Q1

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130	G Suresh Kumar L.A.Kumaraswamidhas	Multi-body simulation with notch stress analysis of an axle assembly	Mechanics Based Design of Structures and Machines	Vol. 59, pp. 569-576	3.9	Taylor & Francis	SCI	https://doi.org/10.1080/15397734.2021.1996247 ISSN 1539-7734	Q1
2021									
129	S K Tiwaria L.A. Kumaraswamidhas N Garg	Accuracy of Short-Term Noise Monitoring Strategy in Comparison to Long-Term Noise Monitoring Strategy	Indian Journal of Pure & Applied Physics	Vol. 59, pp. 569-576	0.8	CSIR-NISCAIR	SCI	http://op.niscair.res.in/index.php/IJPAP/article/view/48569/465479492 ISSN 0975-1041	Q3
128	Jasveer Singh Neha Bura, Kapil Kaushik L.A. Kumaraswamidhas Nita Dilawar Sharma	Investigation of contribution of number of trials in Monte Carlo simulation for uncertainty estimation for a pressure balance	Transactions of the Institute of Measurement and Control	Vol. 43(16), pp. 3615–3624	1.8	SAGE	SCI	https://doi.org/10.1177/01423312211039065 ISSN 1477-0369	Q3
127	Kaviraj Ramar L. A. Kumaraswamidhas	Excavator driver seat occupational comfort assessment with Lumbar Support Cushion	Journal of Vibration and Control	Vol. 28, pp. 3510-3523	2.8	SAGE Publications	SCI	https://doi.org/10.1177/10775463211035891 ISSN 1077-5463	Q2
126	G Suresh Kumar L.A.Kumaraswamidhas	Design Optimization Focused on Failures During Developmental Testing of the Fabricated Rear-Axle Housing	Engineering Failure Analysis	Vol. 120, 104999	4.0	Elsevier	SCI	https://doi.org/10.1016/j.engfailanal.2020.104999 ISSN 1350-6307	Q1
125	Prem shankar kumar L.A. Kumaraswamidhas S.K. Laha	Bearing degradation assessment and remaining useful life estimation based on Kullback-Leibler divergence and Gaussian processes regression	Measurement	Vol. 174, pp. 108948	5.6	Elsevier	SCI	https://doi.org/10.1016/j.measurement.2020.108948 ISSN 0263-2241	Q1

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124	Prem Shankar Kumar L.A.Kumaraswamidhas S.K Laha	Selection of efficient degradation features for rolling element bearing prognosis using Gaussian Process Regression method	ISA Transactions	Vol. 112, pp. 386 - 401	7.3	Elsevier	SCI	https://doi.org/10.1016/j.isatra.2020.12.020 ISSN 0019-0578	Q1
123	Jasveer Singh L.A.Kumaraswamidhas Neha Bura Nita Dilawar Sharma	A Monte Carlo simulation investigation on the effect of the probability distribution of input quantities on the effective area of a pressure balance and its uncertainty	Measurement	Vol. 172, pp. 108853	5.6	Elsevier	SCI	https://doi.org/10.1016/j.measurement.2020.108853 ISSN 0263-2241	Q1
2020									
122	Kundan Bharti L.A.Kumaraswamidhas R.R. Das	A novel optimization approach for bonded tubular gap K-joints made of FRP composites	Structures	Vol. 28, pp. 2135-2145	4.1	Elsevier	SCI	https://doi.org/10.1016/j.istruc.2020.10.021 ISSN 2352-0124	Q2
121	C.Kumar L.A.Kumaraswamidhas V.M.S.R.Murthy A.Prakash	Experimental investigations on thermal behavior during pick-rock interaction and optimization of operating parameters of surface miner	International Journal of Rock Mechanics and Mining Sciences	Vol. 133, 104360	7.4	Elsevier	SCI	https://doi.org/10.1016/j.ijrmms.2020.104360 ISSN 1365-1609	Q1
120	Rakesh Kumar V.M.S.R.Murthy L.A.Kumaraswamidhas	Performance analysis of rotary blast-hole drills through machine vibration and coarseness index mapping- A novel approach	Measurement	Vol. 165, pp. 108148	5.6	Elsevier	SCI	https://doi.org/10.1016/j.measurement.2020.108148 ISSN 0263-2241	Q1
119	Kundan Bharti L.A.Kumaraswamidhas R.R. Das	Detailed investigation of adhesive fillet tubular T-joint of laminated FRP composite tube under axial compressive load	Welding in the World	Vol. 64, pp. 1279-1292	2.2	Springer	SCI	https://doi.org/10.1007/s40194-020-00908-0 ISSN 0043-2288	Q2
118	Naval Kishor padhyay L.A.Kumaraswamidhas Ajay Dhar	Significant enhancement in thermoelectric performance of bulk CrSi2 employing quasi-binary solid solution CrSi2/MnSi1.73	Materials Letters	Vol. 265, 127388	3.0	Elsevier	SCI	https://doi.org/10.1016/j.matlet.2020.127388 ISSN	Q2

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								0167-577X	
117	Jasveer Singh L.A.Kumaraswamidhas Nita Dilawar Sharma	Characterization of a standard pneumatic piston gauge using finite element simulation technique vs cross-float, theoretical and Monte Carlo approaches	Advances in Engineering Software	Vol. 150, pp. 102920	7.0	Elsevier	SCI	https://doi.org/10.1016/j.advengsoft.2020.102920 ISSN 0965-9978	Q1
116	Naval Kishor Upadhyay L.A.Kumaraswamidhas Bhasker Gahtori SR Dhakate	Enhanced thermoelectric properties of pristine CrSi ₂ synthesized using a facile single-step spark plasma assisted reaction sintering	Materials Science in Semiconductor Processing	Vol. 109, pp. 104917	4.1	Elsevier	SCI	https://doi.org/10.1016/j.msssp.2020.104917 ISSN 1369-8001	Q1
115	S. Chidambara Raja L.A.Kumaraswamidhas M. Ramu	Analytical model for prediction of effective Thermal conductivity of a three-phase System: nanoparticle as the third phase	Heat Transfer Research	Vol. 51(13), pp. 1197-1211	1.7	Begell House USA	SCI	DOI: 10.1615/heattransres.2020034475 ISSN 1064-2285	Q3
114	P. Thangapazham L.A.Kumaraswamidhas D. Muruganandam T. Dharanivendhan	CAE analysis and road load data acquisition experimentation on bogie bracket of heavy duty commercial vehicle	International Journal of Heavy Vehicle Systems	Vol. 27(3), pp. 258-277	0.8	Inderscience	SCI	https://doi.org/10.1504/IJHVS.2020.108735 ISSN 1741-5152	Q4
113	Rakesh Prasad R.Venugopal, L.A.Kumaraswamidhas Chandan Pandey S. K. Pan	Analysis of the Influence of Blaine Numbers and Firing Temperature on Iron Ore Pellets Properties Using RSM-I-Optimal Design: An Approach Toward Suitability	Mining, Metallurgy & Exploration	Vol. 37, pp. 1703-1716	1.9	Springer	SCI	https://doi.org/10.1007/s42461-020-00282-x ISSN 2524-3462	Q2
112	A. Agasthian Rajendra Pamula L.A.Kumaraswamidhas	Defense model for preserving the wind turbine Records in Cloud Using fog Computing with coupling based cryptography	Peer-to-Peer Networking and Applications	Vol. 265, 127428	4.2	Springer	SCI	https://doi.org/10.1007/s12083-019-00819-y ISSN 1936-6442	Q1

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111	Sureshkumar G. L.A.Kumaraswamidhas	Optimization of structural parameters through objective-evaluation of ride comfort in a heavy-duty commercial vehicle	Cogent Engineering	Vol. 7(1), pp. 1-17	1.8	Taylor & Francis	ESCI	https://doi.org/10.1080/23311916.2020.1743408 ISSN 2331-1916	Q4
110	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Investigation on Stability of an Elastically Mounted Circular Tube Under Cross-Flow in Inline Square Arrangement	Iranian Journal of Science and Technology, Transactions of Mechanical Engineering	Vol. 44, pp. 313–325	1.5	Springer	SCI	https://doi.org/10.1007/s40997-018-0268-4 ISSN 2228-6187	Q3
109	Shailesh Kr Jha Uddipta Gautam Pramod Pawar S. Narayanan L.A.Kumaraswamidhas	Investigations of Flow Phenomena Over a Flat Plate and NACA0012 Airfoil at High Angles of Attack	Iranian Journal of Science and Technology, Transactions of Mechanical Engineering	Vol. 44, pp. 985–996	1.5	Springer	SCI	https://doi.org/10.1007/s40997-019-00313-z ISSN 2228-6187	Q3
108	A Prakash V M S R Murthy K B Singh C Kumar L.A.Kumaraswamidhas	A methodology for designing cutting drum of surface miner to achieve production of desired chip size	Sadhana	45:143	1.6	Indian Academy of Sciences	SCI	https://doi.org/10.1007/s12046-020-01387-1 ISSN 0256-2499	Q2
107	S.Chidambara Raja L.A.Kumaraswamidhas M. Ramu	An Experimental Investigation on The Enhanced Thermal Behavior of Packed Beds Integrated With Al ₂ O ₃ Nanofluid	Journal of Enhanced Heat Transfer	Vol. 27(4), pp. 347-365	2.3	Begell House, Inc	SCI	DOI: 10.1615/JEnhHeatTransf.2020033645 ISSN 1065-5131	Q2
106	Naval Kishor Upadhyay Nagendra S.Chauhan L.A.Kumaraswamidhas Kishor K.Johari Bhasker Gahtori Sivaiah Bathul Rajesh Reddy YuryV.Kolen'ko Sanjay R.Dhakate	Facile bulk synthesis of high performance β -Zn ₄ Sb ₃ thermoelectric applications	Materials Letters	Vol. 265, 127428	3.0	Elsevier	SCI	https://doi.org/10.1016/j.matlet.2020.127428 ISSN 0167-577X	Q2

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105	L.A.Kumaraswamidhas Rakesh Kumar	Whole-body Vibration among Operators of Mining Equipment in Indian Mining Condition: a Short Review and Recommendation	Trends in Machine Design	Vol. 6(3), pp. 23-27	-	STM Journals	SCO	-	-
2019									
104	N. MathanKumara L.A.Kumaraswamidhas	Characterization and tribological analysis on AA 6061 reinforced with AlN and ZrB2 in situ composites	Journal of Materials Research and Technology	Vol. 8(1), pp. 969-980	6.4	Elsevier	SCI	https://doi.org/10.1016/j.jmrt.2018.07.008 ISSN 2238-7854	Q1
103	P Thangapazham L.A.Kumaraswamidhas D Muruganandam	Failure Assessment of Load-Stabilizing Rod in Heavy-Duty Truck Through CAE and Testing in Rough Road Conditions	Journal of Failure Analysis and Prevention	Vol.9 (6), pp. 1781-1791	1.2	Springer	ESCI	https://doi.org/10.1007/s11668-019-00778-9 ISSN 1547-7029	Q3
102	Rakesh Kumar L.A.Kumaraswamidhas V.M.S.R Murthy S.C Vettivel	Experimental investigations on machine vibration in blast-hole drills and optimization of operating parameters	Measurement	Vol.145, pp 803- 819.	5.6	Elsevier	SCI	https://doi.org/10.1016/j.measurement.2019.05.069 ISSN 0263-2241	Q1
101	N. M Raj L.A.Kumaraswamidhas S A Vendan P K Nalajam	Investigations on Resistance Behavior at the Interface of Ultrasonically Welded Dissimilar Al/Cu Joints	Silicon	Vol. 11(4), pp. 1717-1723	3.4	Springer	SCI	https://doi.org/10.1007/s12633-017-9680-4 ISSN 1876-990X	Q2
100	E.Radhakrishnana L.A.Kumaraswamidhas K.Palanikumar D.Muruganandam	Strength and hardness studies of C44300 tube to AA7075-T651 tube plate threaded and unthreaded dissimilar joints fabricated by friction welding process	Journal of Materials Research and Technology	Vol. 8(4), pp 3424-3433.	6.4	Elsevier	SCI	https://doi.org/10.1016/j.jmrt.2019.06.008 ISSN 2238-7854	Q1
99	S. Chidambara Raja L.A.Kumaraswamidhas P. Karthikeyan M. Ramu	Prediction of pressure dependent effective thermal conductivity of two phase materials in high temperature applications-An analytical method using hexagon and octagon models	International Journal of Thermal Sciences	Vol.135, pp 192 - 205	4.5	Elsevier	SCI	https://doi.org/10.1016/j.ijthermalsci.2018.08.044 ISSN	Q1

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								1290-0729	
98	Srayoshi Roy Chowdhury CT Chidambaram Debasish Podder SupriyaSasmal Mintu Debnath L.A.Kumaraswamidhas Suman Dutta Debasish Halder	A Supramolecular Gel to Reduce Tool Wear and Protect Surfaces during Metalworking	Chemistry Select	Vol. 4 (10) pp. 2949-2953	1.8	Wiley-Blackwell Publishing Ltd	ESCI	https://doi.org/10.1002/slct.201900293 ISSN 2365-6549	Q3
97	Shailesh Kumar Jha S Narayanan L.A.Kumaraswamidhas	Investigations of flow phenomena behind a flat plate with circular trailing edge	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Vol. 41(5), pp 227-233	2.2	Springer	SCIE	https://doi.org/10.1007/s40430-019-1699-6 ISSN 1678-5878	Q3
96	P. Thangapazham L.A.Kumaraswamidhas Muruganandam D	Failure Mode Investigation And Re-Design of Heavy Duty Commercial Vehicle Bogie Bracket	Transactions of the Canadian Society for Mechanical Engineering	Vol. 43(3) pp. 405-415,	0.9	Canadian Society for Mechanical Engineering	SCIE	https://doi.org/10.1139/tcsme-2018-0204 ISSN 0315-8977	Q3
95	P. Thangapazham L.A.Kumaraswamidhas Muruganandam D	Evolution of 52 Cr Mo V4 From 51Cr V4 Material to With Stand Field Severity of Parabolic Leaf Spring Suspension In Heavy Duty Commercial Vehicle	Transactions of the Canadian Society for Mechanical Engineering	Vol. 43(3) pp. 387-397	0.9	Canadian Society for Mechanical Engineering	SCIE	https://doi.org/10.1139/tcsme-2018-0122 ISSN 0315-8977	Q3
94	Jasveer Singh L.A.Kumaraswamidhas Nita Dilawar Sharma	A comparative investigation of pressure distortion coefficient of a pneumatic piston gauge and its associated uncertainty using varied approaches	Accreditation and Quality Assurance	Vol. 24(2), pp 105- 112	0.9	Springer	SCI	https://doi.org/10.1007/s00769-018-1355-3 ISSN 0949-1775	Q4
93	Prem Shankar Kumar L.A.Kumaraswamidhas Swarup Kumar Laha	Selecting effective intrinsic mode functions of empirical mode decomposition and variational mode decomposition using dynamic time warping algorithm for rolling element bearing fault diagnosis	Transactions of the Institute of Measurement and Control	Vol 41 (7), pp.1923-1932	1.8	SAGE Publications	SCI	https://doi.org/10.1177/0142331218790788 ISSN 0142-3312	Q3

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92	J. Singh, L.A.Kumaraswamidhas K. Kaushik N. Bura N. D. Sharma	Uncertainty Analysis of Distortion Coefficient of Piston Gauge Using Monte Carlo Method	M_APAN-Journal of Metrology Society of India	Vol. 34, pp. 379–385	1.0	Springer	SCI	https://doi.org/10.1007/s12647-019-00305-z ISSN 0970-3950	Q4
91	A. Agasthian Rajendra Pamula L.A.Kumaraswamidhas	Fault classification and detection in wind turbine using Cuckoooptimized support vector machine	Neural Computing Application	Vol. 31(5), pp 1503–1511	6.0	Springer	SCI	https://doi.org/10.1007/s00521-018-3690-z ISSN 0941-0643	Q1
2018									
90	Naval Kishor Upadhyay L.A.Kumaraswamidhas Bhasker Gahtori SivaiahBathula Saravanan Muthiah Radhey Shyam Nagendra Singh Chauhan Ruchi Bhardwaj Ajay Dhar	Enhancement in thermoelectric performance of bulk CrSi ₂ dispersed with nanostructured SiGe nanoinclusions	Journal of Alloys and Compounds	Vol. 765 , pp. 12 – 417	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2018.06.175 ISSN 0925-8388	Q1
89	C. Kumar V.M.S.R. Murthy L.A.Kumaraswamidhas A. Prakash	Design Methodology for Cutting Drum, Power Rating and Operational Control of Surface Miner under Varied Rock Conditions—An Approach	Journal of Mining Science	Vol. 54(4) , pp. 582–590	0.8	Pleiades Publishing, Ltd	SCI	DOI: 10.1134/S106273911804404X ISSN 1062-7391	Q4
88	Dipen Kumar Rajak Sushrut A. Gawande L.A.Kumaraswamidhas	Evaluation of mild steel hollow and foam filled circular tubes under axial loading	Advanced Materials Letters	Vol.9(9), pp 660-664	0.3	VBRI Press	SCI	DOI: 10.5185/amlett.2018.2041. ISSN 0976-3961	Q4
87	DK Rajak L.A.Kumaraswamidhas S Das	Experimental fabrication and compression analysis characterization of LM30 Al alloy foam with 5wt% SiCp at room temperature	Materials Research Express	Vol. 5(6), pp. 1-16	2.3	IOP	SCI	https://doi.org/10.1088/2053-1591/aac9a0 ISSN 2053-1591	Q3

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86	N. Mohan Raj L.A.Kumaraswamidhas S. ArungalaiVendan Pavan Kumar Nalajam	Investigations on Resistance Behavior at the Interface of Ultrasonically Welded Dissimilar Al/Cu Joints	Silicon	Vol. 11, pp. 1717–1723	3.4	Springer	SCI	https://doi.org/10.1007/s12633-017-9680-4 ISSN 1876-990X	Q3
85	Naval Kishor Upadhyaya L.A.Kumaraswamidhas Bhasker Gahtori Saravanan Muthaiah Sivaiah Bathula Radhey Shyam Ajay Dhar	Facile Synthesis of Earth-Abundant And Non-Toxic P-Type Si96B4/SiCP Nanocomposites With Enhanced Thermoelectric Performance	Materials Science in Semiconductor Processing	Vol. 75, pp 234-238	4.1	Elsevier	SCI	https://doi.org/10.1016/j.mssp.2017.11.039 ISSN 1369-8001	Q2
84	Dipen Kumar Rajak L.A.Kumaraswamidhas S. Das	Investigation of Mild Steel Thin-Wall Tubes in Unfilled and Foam-Filled Triangle, Square, and Hexagonal Cross Sections Under Compression Load	Journal of Materials Engineering and Performance	Vol. 27(4), pp 1936–1944	2.3	Springer	SCIE	https://doi.org/10.1007/s11665-018-3241-x ISSN 1059-9495	Q3
83	N. Mohan Raj L.A.Kumaraswamidhas Pavan Kumar Nalajam S. ArungalaiVendan	Studies on Electro Mechanical Aspects in Ultrasonically Welded Al/Cu Joints	Transactions of the Indian Institute of Metal	Vol. 71(1), pp 107-116	1.6	Springer	SCI	https://link.springer.com/article/10.1007/s12666-017-1140-8 ISSN 0975-1645	Q3
82	D. Raguraman D. Muruganandam L.A.Kumaraswamidhas	Friction Stir Welding of Aluminum and Magnesium Alloys Experimental Investigation and Optimization Using Hybrid Grey Relational Analysis and Principal Component Analysis	Journal of Computational and Theoretical Nanoscience	Vol. 15, pp 509–520	1.6	American Scientific Publishers	SCI	https://doi.org/10.1166/jctn.2018.7111 ISSN 1546-1955	Q2
81	Chidambara Raja S Karthikeyan P L.A.Kumaraswamidhas Ramu M	Effect of primary and secondary parameters on analytical estimation of effective thermal conductivity of two phase materials using unit cell approach	Heat and Mass Transfer	Vol. 54, pp 1323–1335	2.2	Springer	SCI	https://doi.org/10.1007/s00231-017-2214-1 ISSN 0947-7411	Q2
2017									
80	N. Venkata Swamy Kalyan Dipen Kumar Rajak L.A.Kumaraswamidhas	Influence of Aerodynamic Add-On Devices on Aerodynamic Performance of An Automobile: A Numerical Study	Romanian Journal of Automotive Engineering (RoJAE),	Vol.23 (3), pp. 101 -112	-	-	-	-	-

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79	Dipen Kumar Rajak L.A.Kumaraswamidhas Sambit Sahu	Experimental studies on the quasi-static movements of tube sections filled with pumice stone	Materials Today: Proceedings	Vol 4, pp 10560–10564	0.6	Elsevier	SCO	https://doi.org/10.1016/j.matpr.2017.06.420 ISSN 2214-7853	-
78	D. K. Rajak L.A.Kumaraswamidhas S. Das	On the influence of porosity and pore size on AlSi17 alloy foam using artificial neural network	Ciência&Tecnologia dos Materiais	Vol. 29, Issue 2, pp 14–21	0.4	Elsevier	SCO	https://doi.org/10.1016/j.ctmat.2017.05.004 ISSN 0870-8312	Q4
77	D K Rajak P G Deshpande L.A.Kumaraswamidhas	Experimental analysis of energy absorption behaviour of Al-tube filled with pumice lightweight concrete under axial loading condition	Materials Science and Engineering	Vol. 225, 012032	-	IOP	SCO	doi:10.1088/1757-899X/225/1/012032 ISSN 1757-8981	-
76	E Radhakrishnan L.A.Kumaraswamidhas D Muruganandam	Dissimilar metal study on C44300 tube to AA7075-T651 tube plate with and without thread by FWTPET process	Journal of Mechanical Science and Technology	Vol. 31(5) pp. 2523-2533	1.7	Springer	SCI	https://link.springer.com/article/10.1007/s12206-017-0450-4 ISSN 1738-494X	Q3
75	D. K. Rajak, L.A.Kumaraswamidhas S. Das	Technical Over View of Aluminum Alloy Foam	Reviews on Advanced Materials Science	Vol. 48 pp 68-86	3.6	Russian Academy of Sciences	SCI	http://www.ipme.ru/e-journals/RAMS/no_14917/06_14917_rajak.pdf ISSN 1606-5131	Q2
74	S. Senthil Kumaran Mathan Kumar Nagarajan.B L.A.Kumaraswamidhas	An investigation of abrasive and erosion behavior of AA 2618 reinforced with Si3N4, AlN and ZrB2 in situ composites by using optimization techniques	Archives of Civil and Mechanical Engineering	Vol. 17, pp 43-54	4.4	Elsevier	SCI	http://dx.doi.org/10.1016/j.acme.2016.08.003 ISSN 1644-9665	Q1

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2016									
73	R. K. Upadhyay and L.A.Kumaraswamidhas	Friction and wear response of nitride coating deposited through PVD magnetron sputtering	Tribology - Materials, Surfaces & Interfaces	Vol. 10(4), pp. 196-205		Maney Publishing	SCO	https://doi.org/10.1080/17515831.2016.1260791 ISSN 1751-5831	-
72	JasveerSingha L.A.Kumaraswamidhas Aditi Vijay Ashok Kumar Nita Dilawar Sharma	Estimation of uncertainty of effective area of a pneumatic pressure reference standard using Monte Carlo method	Indian Journal of Pure & Applied Physics	Vol. 54, pp. 755-764	0.8	Scientific Publishers	SCI	http://op.niscair.res.in/index.php/IJPAP/article/view/12025/987 ISSN 0019-5596	Q3
71	N. Venkata Swamy Kalyan B. Bharadwaja Reddy L.A.Kumaraswamidhas Dipen Kumar Rajak	Experimental and numerical study on energy absorption characteristics of mild steel and Aluminium square tubes under axial loading	Romanian Journal of Automotive Engineering (RoJAE)	Vol.22 (4), pp.137-146.	-	-	-	-	-
70	D. K. Rajak N. Venkata Swamy Kalyan B. Bharadwaja Reddy L.A.Kumaraswamidhas	Experimental and Numerical Investigation on Torsional Failure of Cardan Joint of an Intermediate Steering Shaft	Romanian Journal of Automotive Engineering (RoJAE)	Vol.22 (3), pp. 95 -104	-	-	-	-	-
69	Dipen Kumar Rajak L.A.Kumaraswamidhas S. Das	Investigation and characterization of aluminum alloy foams with TiH ₂ as foaming agent	Materials Science and Technology	Vol. 32(13), pp.1338 - 1348	2.3	Taylor & Francis	SCI	https://doi.org/10.1080/02670836.2015.1123846 ISSN 0267-0836	Q2
68	N. Mohan Raj L.A.Kumaraswamidhas S. ArungalaiVendan	Experimental studies and finite element simulation of ultrasonic welding of Cu alloy	Bulletin of the Polish Academy of Sciences Technical Sciences	Vol. 64(3), pp. 535-546.	1.3	De Gruyter Open Ltd.	SCI	DOI: 10.1515/bpasts-2016-0060 ISSN 2300-1917	Q3
67	L.A.Kumaraswamidhas Dipen Kumar Rajak S. Das	An investigation on axial deformation behaviour of thin-wall unfilled and filled	Journal of Material Engineering and Performance	Vol. 25(8), pp 3430-3438	1.8	Springer	SCI	http://dx.doi.org/10.1007/s11665-016-2175-4	Q3

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		tube with aluminium alloy (AlSi7Mg) foam, reinforced with SiC particle						ISSN 1059-9495	
66	N. Mathan Kumar S. Senthil Kumaran L.A.Kumaraswamidhas	An Optimization of Erosive Wear on AA 2618 Reinforced with Si3N4, AlN and ZrB2 In Situ Composites	Applied Mechanics and Materials	Vol. 852, pp 337-343	-	Scitec Publications Ltd.	SCO	https://doi.org/10.4028/www.scientific.net/AMM.852.452 ISSN 1662-7482	-
65	S. Kannan S. Senthil Kumaran L.A.Kumaraswamidhas	Experimental Study on Friction Welding of Without Backing Block of Commercial Copper Tube Without Hole (WoH) to Al 2025 Tube Plate by Using Clearance Fit Method	Applied Mechanics and Materials	Vol. 852, pp 337-343	-	Scitec Publications Ltd.	SCO	http://dx.doi.org/10.4028/www.scientific.net/AMM.852.337 ISSN 1662-7482	-
64	Amar Prakash K. B. Singh V.M.S.R. Murthy Chandan Kumar L.A.Kumaraswamidhas	Development of a handy methodology for the selection of surface miner in varied rock mass conditions for mass production of coal and limestone	Journal of Mining, Metals & Fuels	Vol. 64(5-6), pp. 112-117	-	SCO	SCO	- ISSN 0022-2755	-
63	Chandan Kumar V.M.S.R. Murthy L.A.Kumaraswamidhas Amar Prakash	Influence of Cutting Drum Specification on the Production Performance of Surface Miner Under Varied Rock strength- Some Investigations	Journal of Mining, Metals & Fuels	Vol. 64(5-6), pp. 181-186	-	SCO	SCO	- ISSN 0022-2755	-
62	R. K. Upadhyay L.A.Kumaraswamidhas	Multilayer nitride coating performance optimized by an artificial neural network approach	Ciência&Tecnologia dos Materiais	Vol. 28, pp. 47-54	0.4	Elsevier	SCO	https://doi.org/10.1016/j.ctmat.2015.10.003 ISSN 0870-8312	Q4
61	R. K. Upadhyay L.A.Kumaraswamidhas	Effect of surfactant assisted suspension on PVD coatings	Surface Engineering	Vol. 32(4), pp. 289-293.	2.8	Taylor & Francis	SCI	https://doi.org/10.1179/1743294415Y.0000000109 ISSN 0267-0844	Q3

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60	S. PandiaRajan S. Senthil Kumaran L.A.Kumaraswamidhas	An investigation of metal flow during friction welding of SA 213 tube to SA 387 tube plate with backing block	Alexandria Engineering Journal	Vol.55, pp. 1187-1199	2.8	Elsevier	SCI	https://doi.org/10.1016/j.aej.2016.03.040 ISSN 1110-0168	Q2
59	S. PandiaRajan S. Senthil Kumaran L.A.Kumaraswamidhas	An investigation on SA 213 tube to SA 387 tube plate with backing block arrangement in friction welding process	Alexandria Engineering Journal	Vol.55, pp. 1255-1269	2.8	Elsevier	SCI	https://doi.org/10.1016/j.aej.2016.04.016 ISSN 1110-0168	Q2
58	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Investigation on cross flow characteristics over side-by-side square cylinders at different spacing conditions	Alexandria Engineering Journal	Vol.55, pp. 1053-1062	2.8	Elsevier	SCI	https://doi.org/10.1016/j.aej.2016.03.009 ISSN 1110-0168	Q2
57	Dipen Kumar Rajak L.A.Kumaraswamidhas S. Das	Experimental analysis to improve energy absorption properties of rectangular metal section subjected to axial loading	Materials Today: Proceedings	Vol.3, pp. 2207–2212	-	Elsevier	SCO	https://doi.org/10.1016/j.matpr.2016.04.127 ISSN 2214-7853	-
56	S. Kannan S. Senthil Kumaran L.A.Kumaraswamidhas	Optimization of friction welding by taguchi and ANOVA method on commercial aluminium tube to Al 2025 tube plate with backing block using an external tool	Journal of Mechanical Science and Technology	Vol. 30(5), pp. 2225-2235	1.6	Springer	SCI	DOI 10.1007/s12206-016-0432-y ISSN 1976-3824	Q3
55	L.A.Kumaraswamidhas K. Karthik Selva Kumar	Experimental investigation on stability of an elastically mounted circular tube under cross flow in normal triangular arrangement	Journal of Vibroengineering	Vol. 18(3), pp. 1388-2015	1.0	Vibromechanika	SCI	https://doi.org/10.21595/jve.2016.16708 ISSN 1392-8716	Q4
54	S. Kannan S. Senthil Kumaran L.A.Kumaraswamidhas	An investigation on mechanical property of commercial copper tube to aluminium 2025 tube plate by FWTPET process	Journal of Alloys and Compounds	Vol.672, pp. 674-688	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2016.02.205 ISSN 0925-8388	Q1

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53	N. Mathan Kumar S. Senthil Kumaran L.A.Kumaraswamidhas	Aerospace application on Al 2618 with reinforced e Si3N4, AlN and ZrB2 in-situ composites	Journal of Alloys and Compounds	Vol.672, pp. 238-250	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2016.02.155 ISSN 0925-8388	Q1
52	B. Anjani Prasad Reddy L.A.Kumaraswamidhas Dipen Kumar Rajak	Modelling and simulation of semi-active hybrid control of vehicle suspension system with magneto-rheological dampers	Romanian Journal of Automotive Engineering (RoJAE),	Vol.22 (1), pp. 05 -12	-	-	-	-	-
51	S. PandiaRajan S. Senthil Kumaran L.A.Kumaraswamidhas	An investigation on thermal and friction effect produced by friction welding of SA 213 tube to SA 387 tube plate	Alexandria Engineering Journal	Vol.55, pp. 101-112	2.8	Elsevier	SCI	https://doi.org/10.1016/j.aej.2015.12.030 ISSN 1110-0168	Q2
50	N. Mathan Kumar S. Senthil Kumaran L.A.Kumaraswamidhas	Wear behaviour of Al 2618 alloy reinforced with Si3N4, AlN and ZrB2 in situ composites at elevated temperatures	Alexandria Engineering Journal	Vol.55, pp. 19-36	2.8	Elsevier	SCI	https://doi.org/10.1016/j.aej.2016.01.017 ISSN 1110-0168	Q2
49	S. Kannan S. Senthilkumaran L.A.Kumaraswamidhas	An investigation on compression strength analysis of commercial aluminium tube to aluminium 2025 tube plate by using TIG welding process	Journal of Alloys and Compounds	Vol.666, pp. 131-143	6.2	Elsevier	SCI	http://dx.doi.org/10.1016/j.jallcom.2016.01.096 ISSN 0925-8388	Q1
48	S. PandiaRajan S. Senthilkumaran L.A.Kumaraswamidhas S. Muthukumaran	An investigation on SA 213-Tube to SA 387-Tube plate using friction welding process	Journal of Mechanical Science And Technology	Vol.30(1), pp. 337-344	1.6	Elsevier	SCI	DOI: 10.1007/s12206-015-1238-z ISSN 1110-0168	Q3
47	N. Mathan Kumar S. Senthil Kumaran L.A.Kumaraswamidhas	High temperature investigation on EDM process of Al 2618 alloy reinforced with Si3N4, ALN and ZrB2 in-situ composites	Journal of Alloys and Compounds	Vol.663, pp. 755-768.	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2015.12.175 ISSN 0925-8388	Q1
46	Dipen Kumar Rajak L.A.Kumaraswamidhas	Characterization and analysis of compression load behaviour of	Journal of Alloys and Compounds	Vol.656, pp. 218-225	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2015.09.255	Q1

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	S. Das S.S.Kumaran	aluminium alloy foam under the diverse strain rate						ISSN 0925-8388	
45	S. Pandiarajan S. Senthilkumaran L.A.Kumaraswamidhas	Interfacial microstructure and optimization of friction welding by Taguchi and ANOVA method on SA 213 tube to SA 387 tube plate without backing block using an external tool	Journal of Alloys and Compounds	Vol.654, pp. 534-545.	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2015.09.152 ISSN 0925-8388	Q1
2015									
44	L.A.Kumaraswamidhas D. Raguraman D.Muruganandam B. Senthilkumar	Temperature Prediction using Finite Element Modeling on Friction Stir Welding of AA6061-AZ61	Indian Journal of Science and Technology	Vol. 8(31), pp. 1-6	-	Indian Society for Education and Environment	SCO	http://dx.doi.org/10.17485/ijst%2F2015%2Fv8i31%2F84419 ISSN 0974-6846	-
43	N. Mohan Raj L.A.Kumaraswamidhas S.ArungalaiVendan	Investigations on the Parametric Effects of Ultrasonic Welded Process on Microstructural Aspects of Al-Cu, Al-Al and Cu-Cu Alloys Dissimilar Joints	Welding Equipment and Technology	Vol 26, pp. 49-59	-	Galati University Press	SCO	- ISSN 1221-4639	-
42	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Large Eddy Simulation of Turbulent Fluid Flow over Circular Tube Bundle	Romanian Journal of Acoustics and Vibration	Vol 12 (2), 116-125	-	Romanian Acoustic Society, Universitate a Politehnica Bucuresti	SCO	-	-
41	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Experimental and Numerical Investigation on Flow Induced Vibration Excitation in Engineering Structures: A Review	International Journal of Applied Engineering Research	Vol.10 (15), pp 35971-35991	-	Research India Publications	SCO	ISSN 0973-4562	-
40	D.Muruganandam D. Raguraman L.A.Kumaraswamidhas	Effect of post-welding heat treatment on mechanical properties of butt FSW joints in high strength aluminium alloys	Indian Journal of Engineering & Material Sciences	Vol.22, pp.381-388	0.7	Scientific Publishers	SCI	http://nopr.niscair.res.in/handle/123456789/32174 ISSN 0975-1017	Q4

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39	S. PandiaRajan S. Senthilkumaran L. A. Kumaraswamidhas	Friction welding of 304 austenitic stainless steel tube to tube plate joints using an external tool	Journal of Advanced Mechanical Design, Systems, and Manufacturing	Vol.9(3), pp.1-8	0.9	Japan Society of Mechanical Engineers	SCI	http://dx.doi.org/10.1299/jamdsm.2015jamdsm0045 ISSN 1881-3054	Q3
38	N. Mathan Kumar S. Senthilkumaran L.A.Kumaraswamidhas	An investigation of mechanical properties and corrosion resistance of Al2618 alloy reinforced with Si3N4, AlN and ZrB2 composites	Journal of Alloys and Compounds	Vol.652, pp. 244-249	6.2	Elsevier	SCI	http://dx.doi.org/10.1016/j.jallcom.2015.08.205 ISSN 0925-8388	Q1
37	N. Mathan Kumar S. Senthilkumaran L.A.Kumaraswamidhas	An investigation of mechanical properties and material removal rate, tool wear rate in EDM machining process of AL2618 alloy reinforced with Si3N4, AlN and ZrB2 composites	Journal of Alloys and Compounds	Vol.650, pp.318-327.	6.2	Elsevier	SCI	https://doi.org/10.1016/j.jallcom.2015.07.292 ISSN 0925-8388	Q1
36	C. Kalimuthu S. Kannan S. Senthilkumaran L.A.Kumaraswamidhas	Optimization of Friction Welding of Commercial Aluminum Tube to Al 2025 Tube Plate Using an with Hole and Without Hole Process	International Journal of Applied Engineering Research	Vol.10(49), pp.471-476	-	Research India Publications	SCO	- ISSN 0973-4562	-
35	B. Anbuselvan S. Kannan S. Senthilkumaran L.A.Kumaraswamidhas	Effect of Tube Preparation on Joint Strength in Friction welding of Tube Plate Using an External Tool	International Journal of Applied Engineering Research	Vol.10(49) pp.423-428	-	Research India Publications	SCO	- ISSN 0973-4562	-
34	Dipen Kumar Rajak L.A.Kumaraswamidhas S. Das	Energy absorption capabilities of aluminium foam –filled square	Advanced Materials Letters	Vol. 6(1), pp.80-85	-	Research India Publications	SCO	- ISSN 0976-3961	-
33	Dipen Kumar Rajak L.A.Kumaraswamidhas S. Das	Energy absorption capacity of empty and foam filled mild steel tube under low strain rate at room temperature	Advanced Materials Letters	Vol.6 (6), pp.548-553	-	VBRI Press	SCO	http://dx.doi.org/10.5185/amlett.2015.5784 ISSN 0976-3961	-
32	R.K.Upadhyay L.A.Kumaraswamidhas	Investigation of monolayer-multilayer PVD nitride coating	Surface Engineering	Vol. 31(2), pp.123-133	2.8	Taylor & Francis	SCI	http://dx.doi.org/10.1179/1743294414Y.0000000344	Q2

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31	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Experimental investigation on flow induced vibration excitation in the elastically mounted square cylinders	Journal of Vibroengineering	Vol. 17(1), pp. 468-477	1.0	Vibromechanika	SCI	https://www.extrica.com/article/15410 ISSN 1392-8716	Q4
30	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Experimental investigation on flow vibration excitation in an elastically mounted circular cylinder in arrays	Fluid Dynamic Research	Vol.47, pp.015508	1.5	IOP science	SCI	http://dx.doi.org/10.1088/0169-5983/47/1/015508 ISSN 1873-7005	Q4
2014									
29	D. Raguraman D.Muruganandam L.A.Kumaraswamidhas	Study of tool Geometry on Friction Stir Welding of AA 6061 and AZ61	IOSR Journal of Mechanical and Civil Engineering	Vol. 3(1) pp-63-69	-	-	-	-	-
28	A. Durairajan T. Kavitha A. Rajendran L.A.Kumaraswamidhas	Heat transfer intensification by Nano Fluids- an Overview	Journal of Scientific and Industrial Research	Vol.73, pp.711-712	0.7	Scientific Publishers	SCI	http://nopr.niscair.res.in/handle/123456789/29868 ISSN 0975-1084	Q4
27	Dipen Kumar Rajak L.A.Kumaraswamidhas	Mechanical Behaviour and Energy Absorption Foam Filled Structures of Square Section under Compression Loading	Applied Mechanics and Materials	Vol.592-594, pp.1109-1113	-	Scitec Publications Ltd.	SCO	https://doi.org/10.4028/www.scientific.net/AMM.592-594.1109 ISSN 1662-7482	-
26	Dipen Kumar Rajak L.A.Kumaraswamidhas	An Energy Absorption Behaviour of Foam Filled Structures	Procedia Material Science	Vol.5, pp.164-172.	-	Elsevier	SCO	https://doi.org/10.1016/j.mspro.2014.07.254 ISSN 2211-8128	-

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25	K. Karthik Selva Kumar L.A.Kumaraswamidhas	Numerical Study on the Fluid Flow Characteristics over the Side-by-Side Square Cylinders at Different Spacing Ratios	International Review of Mechanical Engineering	Vol.8 (5)	-	Praise Worthy Prize	SCO	https://doi.org/10.15866/irem.e.v8i5.3709 ISSN 1970-8734	-
24	K. Karthik Selva Kumar L.A.Kumaraswamidhas	A Study on Flow Induced Vibration Excitation in Solid Square Structures	International Journal of Mechanical & Production Engineering Research and Development	Vol.4 (4), pp.15-22.	-	Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC)	SCO	- ISSN 2249-8001	-
23	K. Karthik Selva Kumar K. Aruna Devi L.A.Kumaraswamidhas	SPSS: A Data mining tool for analyzing the results of flow induced vibration excitation in an elastically mounted circular cylinder at different interference conditions	Applied Mechanics and Materials	Vol.592-594, pp.2086-2090	-	Scitec Publications Ltd.	SCO	https://doi.org/10.4028/www.scientific.net/A-M.592-594.2086 ISSN 1662-7482	-
22	R.K.Upadhyay L.A.Kumaraswamidhas	A review on tribology of surfaces and interface	Advanced Materials Letters	Vol.5 (9), pp.486-495	-	VBRI Press	SCO	DOI: 10.5185/amlett.2014.5566 ISSN 0976-3961	-
21	R.K.Upadhyay, L.A.Kumaraswamidhas	On the influence of surfactant over friction properties of steel	Chemical Physics Letter	Vol.608, pp.167-172.	2.8	Elsevier	SCI	https://doi.org/10.1016/j.cplett.2014.05.090 ISSN 0009-2614	Q2
20	Chandra Prakash Yadav Sathya Narayan Kumar L.A.Kumaraswamidhas	Study on Axial Flow Fan Components and its Failure Affecting the Performance	International Journal for Scientific Research & Development	Vol.2(2), pp.29-32	-	-	-	-	-
19	R.K.Upadhyay L.A.Kumaraswamidhas	Surface Modification by multi layered W/W2N Coating	Surface Engineering	Vol.30 (7), pp.475-482	2.8	Taylor & Francis	SCI	https://doi.org/10.1179/1743294414Y.0000000260	Q2

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18	R.K.Upadhyay L.A.Kumaraswamidhas	Tungsten/Tungsten Nitride Performance at Elevated Temperature	Materials at High Temperatures	Vol.31 (2), pp.102-108	1.33	Taylor & Francis	SCI	https://doi.org/10.1179/1878641314Y.0000000003 ISSN 0960-3409	Q3
17	P. Velmurugan L.A.Kumaraswamidhas K. Sankaranarayanassamy	Whole Body Vibration Analysis for Drivers of Suspended Cabin Tractor Semitrailer	Experimental Techniques	Vol. 38(2), pp.47-53.	1.700	Springer	SCI	https://doi.org/10.1111/j.1747-1567.2011.00786.x ISSN 1747-1567	Q3
16	P. Velmurugan L.A.Kumaraswamidhas K. Sankaranarayanassamy K.Pazhanivel	Ride Comfort Analysis of Unsprung Tractor Semi-Trailer	International Journal of Vehicle Structures & Systems	Vol. 6(4), 104-109	-	Mech Aero Foundation for Technical Research	SCO	http://dx.doi.org/10.4273/ijvss.6.4.04 ISSN 0975-3060	-
2013									
15	D. Muruganandam D. Raguraman Sushil Lal Das L.A.Kumaraswamidhas	Analysis of Functional Parameter on Friction Stir Welding Using Hypergeometric Functions	Advances in Theoretical and Applied Mechanics	Vol. 6 (2), pp-71-83	-	-	-	http://dx.doi.org/10.12988/ata.m.2013.3917 ISSN 1314-7625	-
14	R.K.Upadhyay L.A.Kumaraswamidhas	Friction behavior of TiN, CrN Coating on AISI 4320 Steel Substrate	International Journal of Mechanical Engineering and Robotics Research	Vol. 2(1) pp-107-109	-	-	-	DOI: 10.18178/ijmer r ISSN 2278-0149	-
13	R.K.Upadhyay L.A.Kumaraswamidhas	Condition Based Monitoring of Ch415w40 Engine Oil by FTIR, And Analytical Ferrography	International Journal of Mechanical & Production Engineering Research and Development	Vol.3 (1), pp.1-8	-	Transstellar Journal Publications and Research Consultanc	SCO	- ISSN 2249-8001	-

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						y Private Limited (TJPRC)			
12	R.K.Upadhyay L.A.Kumaraswamidhas Md. S.Azam	Rolling Element Bearing Failure Analysis- A Case Study	Case Studies in Engineering Failure Analysis	Vol.1 (1), pp.15-17	-	Elsevier	SCO	https://doi.org/10.1016/j.csefa.2012.11.003 ISSN 2213-2902	-
2012									
11	P.Velmurugan L.A.Kumaraswamidhas K. Sankaranarayanan	Optimisation of whole body vibration analysis for suspended cabin tractor semitrailer	International Journal of Vehicle Noise and Vibration	Vol.8 (2), pp.152-165	-	Inderscience Enterprises	SCO	https://doi.org/10.1504/IJVN.2012.046466 ISSN 1479-1471	-
10	A. Durairajan M. Suresh T. Kavitha L.A.Kumaraswamidhas	Advanced Heat Transfer Enhancement Using Nano Fluids- an Overview	International Journal of Mechanical and Production Engineering Research and Development	Vol.2, pp.5-20	-	Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC)	SCO	ISSN 2249-8001	-
9	L.A.Kumaraswamidhas B. Sudharsan S. Girish Krishna P. Velmurugan	Modelling and simulation of non-linear vibration absorber attached to automotive system	International Journal of Vehicle Systems Modelling and Testing	Vol.7 (4), pp.390-404	-	American Scientific Publishers	SCO	DOI: 10.1504/IJVS MT.2012.049428 ISSN 1745-6444	-
8	A. Durairajan T. Kavitha A. Rajendran L.A.Kumaraswamidhas	Design and manufacturing of Nano catalytic converter for pollution control in automobiles for green environment	Indian Journal of Innovation and Development	Vol.1 (5) pp.314-319	-	-	-	- ISSN 2277-5390	-
7	Aditya Kumar Pandey L.A.Kumaraswamidhas C.Kathirvelu	Analysis of flow induced vibration in super heater tube bundles in utility boilers using computational method	International journal of computational Engineering Research	Vol.2 (2), pp.481-486	-	-	-	- ISSN 2250-3005	-

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Sl.No.	Authors Name	Title	Journal Name	Vol./ Page	IF	Publisher	SCI / SCO	DOI	Q Ranking
6	P.Velmurugan, L.A.Kumaraswamidhas K. Sankaranarayananasamy	Influence of road surfaces on whole body vibration for suspended cabin tractor semitrailer drivers	Journal of low frequency noise, vibration and active control	Vol.31 (2), pp.75-84	2.3	SAGE Publications	SCI	https://doi.org/10.1260%2F0263-0923.31.2.75 ISSN 1461-3484	Q2
5	P.Velmurugan, L.A.Kumaraswamidhas K. Sankaranarayananasamy	Measurement of whole-body vibration exposure from unsuspended cabin tractor semi-trailers	Human Factors and Ergonomics in Manufacturing & Service Industries	Vol.22 (6), pp.481-486	2.4	Wiley	SCI	http://dx.doi.org/10.1002/hfm.20285 ISSN 1520-6564	Q3
2011									
4	L.A.Kumaraswamidhas P.Velmurugan K. Sankaranarayananasamy	Optimization of Human Comfort Reaction for Suspended Cabin Tractor Semitrailer Drivers	World Academy of Science, Engineering and Technology	Vol. 81(158), pp. 816-822	-	World Academy of Science Engineering and Technology	SCO	-	-
3	P.Velmurugan L.A.Kumaraswamidhas K. Sankaranarayananasamy	Investigation on influence of stiffness and hydro-pneumatic suspension for dynamic analysis of a heavy truck using ADAMS simulation	International Journal of Human Factors Modelling and Simulation	Vol.2 (3), pp.204-221	-	-	SCO	http://dx.doi.org/10.1504/IJHFM.2011.044504 ISSN 1742-5549	-
2006									
2	L.A.Kumaraswamidhas P. Mannar Jawahar	Computer Simulation of Lateral Stability Analysis of a Railway Vehicle with Conventional Wheel-Set	Journal of Engineering and Technology	Vol.1 (3), pp.36-45. ISSN: 0973-2632	-	I manager	SCO	https://doi.org/10.26634/jfet.13.976	-
2003									
1	P.R.Thyla L.A.Kumaraswamidhas R. Rudramoorthy	Optimisation of operating conditions in Worm Gear Box using Taguchi's Orthogonal Array	Industrial Engineering Journal	Vol. XXXII (9), pp.14-21. ISSN: 0970 - 2555	-	-	-	- ISSN 0022-3408	-