

K. J. Somaiya College of Engineering, Mumbai – 77

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Department: Mechanical Engineering**List of Peer Reviewed Journal papers**https://docs.google.com/document/d/1H24sx-Cq6yjjZS6_hRiKPGa1DuB_tacW_OHJqVJC9QQ/edit

Sr. No.	Dept.	Initials	Name/s of Author /s / Faculty	Title of paper/STTP/WS attended etc.	Affiliation of Publication/Organizers of STTP WS etc.	Conference / journal / WS / STTP / Colloquium / Transaction / International Conference abroad / Seminar	Duration	Month	Year	No of Citations as on date	h-index	Awards if any
1.	MECH	RRL	Ramesh R. Lekurwale, D. N. Raut, and Milind M. Akarte	Framework to Evaluate Manufacturing Capability Using Analytical Hierarchy Process	International Journal of Advanced Manufacturing Technology, Vol. 76, No. 1-4, pp. 565-575	IJ	-	-	2015	15	1	
2.	MECH	RRL	Ramesh R. Lekurwale, D. N. Raut, and Milind M. Akarte	Measurement of Manufacturing Effectiveness of a Company Using Analytical Hierarchical Process: A Case Study	Proceeding of The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Bangkok, Thailand	IC	4	Dec	2013	1	1	-

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3.	MECH	RRL	Prasad V. Thete and Ramesh R. Lekurwale	Application of Discrete Event Simulation to Increase Throughput of Manufacturing System – A Case Study	International conference on Intelligent manufacturing and Automation, DJ Sanghvi COE Mumbai 20-21 July 2018. Pp. 531-539	NIC	2	July	2018	-	-	-
4.	MECH	RRL	Shaishav Jadav and Ramesh R. Lekurwale	Effect of process parameter while machining using Abrasive Jet Machine (AJM)	International conference on Intelligent manufacturing and Automation, DJ Sanghvi COE Mumbai 20-21 July 2018. Pp. 575-581	NIC	2	July	2018	-	-	-

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5.	MECH	KNP	Kashinath N. Patil, Sanjay M. Mahajani and C. S. Solanki	Optimization of catalyst loading for effective utilization of feed stock for carbon nanotubes synthesis process	International Journal of Nano science, 10(4), pp1-5	J	-	-	-	-	-	
6.	MECH	KNP	Kashinath. N. Patil and C. S. Solanki	Precursor to high purity carbon nanotubes: A step by step evaluation of carbon yield	Journal of Nano Research, 6, pp75-87	J	-	-	2009	-	-	-
7.	MECH	KNP	Kashinath. N. Patil and C. S. Solanki	Aspect ratio evaluation of carbon nanotubes grown on a calcium carbonate substrate for varying time and temperature	Journal of Nano Research, 4, pp127-135.	J	-	-	2008	-	-	-
8.	MECH	SSB	Bhusnoor, S. S., Bhandarkar, U. V., Sethi, V., and Parikh P. P	Thermophoresis deposition studies for NaCl and diesel exhaust particulate matter under laminar flow	Elsevier reference: AS 5077 Journal of Aerosol Science Vol 105 pp 84 - 93	IJ	-	-	2017	34	2	

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9.	MECH	SSB	Bhusnoor, S.S., Babu, M.K.G and Subrahmanyam, J.P.	Optimization of Transesterification Process for Biodiesel Production from Linseed Oil	SAE, 2006-28-0046	IJ	-	-	2006	31	2	-
10.	MECH	SSB	Bhusnoor, S.S., Babu, M.K.G and Subrahmanyam, J.P.	Studies on Performance and Exhaust Emissions of a CI Engine operating on Diesel and Diesel Biodiesel blends at different Injection Pressures and Injection Timings	SAE, 2007-01-0613	IJ	-	-	2007	31	3	-
11.	MECH	SSB	Bhusnoor, S.S., Babu, M.K.G and Subrahmanyam, J.P.	Characterization and Lubricity Testing (SRV Wear Tester) of Diesel and Diesel Biodiesel (LOME) Blends	SAE, 2008-28-0042	IJ	-	-	2008	1	2	-

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12.	MECH	LKM	Mirco Wegner, Luckman Muhmood, Shouyi Sun and Alex V Deev	Surface tension measurements of Calcia – Alumna slags: A comparison of Dynamic methods	Metallurgical and Materials Transactions B, 46 (1), 2015, pp. 316-327	J	-	-	2015	-	-	This article was chosen as the Editor's Choice for open access
13.	MECH	LKM	M Wegener, L. Muhmood, S. Sun and A V Deev	Formation and breakup of molten oxide jets under periodic excitation	AICHE, 60 (9), pp. 3350-3361	J	-	-	2014	-	-	-
14.	MECH	LKM	Luckman Muhmood, Shouyi Sun and Alex V Deev	Formation and breakup of molten oxide jets	Chemical Engineering Science, 105, pp. 143-154	J	-	-	2014	6	-	-
15.	MECH	LKM	Luckman Muhmood, N.N. Viswanathan and Seshadri Seethraman	A proposal for a novel method to measure the diffusivity of species in slag	Metall. Mater. Trans. B, Volume 42, Number 2, 393-399,	J	-	-	2011	8	-	-

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16.	MECH	LKM	Mirco Wegner, Luckman Muhmood, Shouyi Sun and Alex V Deev	The Formation and breakup of slag jets under periodic excitation	Chemical Engineering Science	J	-	-	2013	-	-	-
17.	MECH	LKM	Luckman Muhmood	A New Insight to Interfacial Phenomena Occuring at Slag-Metal Interfaces	Steel Res. Intl., 82(12), 1375-1384	J	-	-	2011	-	-	-
18.	MECH	LKM	Luckman Muhmood, N.N. Viswanathan and Seshadri Seethraman	Studies of dynamic mass transfer at the slag-metal interface – Interfacial velocity of oxygen	Int. J. Mat. Res., 103(7), pp. 875-883	J	-	-	2011	3	-	-
19.	MECH	LKM	Luckman Muhmood and Seshadri Seethraman	Density Measurements of low silica CaO-SiO ₂ -Al ₂ O ₃ slags	Metall. Mater. Trans. B, Volume 41, Number 4, 833-840	J	-	-	2010	29	-	-

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20.	MECH	LKM	Luckman Muhmood, N.N. Viswanathan, Masanori Iwase and Seshadri Seethraman	Evaluating the Diffusion Coefficient of Sulfur in low silica CaO-SiO ₂ -Al ₂ O ₃ Slag	Metall. Mater. Trans. B, Volume 42, Number 2, 274-280	J	-	-	2011	9	-	-
21.	MECH	LKM	Luckman Muhmood, Satish Vitta and D. Venkateswaran	Cementitious and pozzolanic behaviours of electric arc furnace steel slags	Cement and Concrete Research, Volume 39, Issue 2, Pages 102-109.	J	-	FEB.	2009	129	-	Selected as hottest article for the year
22.	MECH	LKM	Luckman Muhmood, N.N. Viswanathan and Seshadri Seethraman	Some Investigations into the dynamic mass transfer at the slag-metal interface using sulfur: Concept of Interfacial velocity	Metall. Mater. Trans. B, Volume 42, Number 3, 460-470,	J	-	-	2011	16	-	This article was chosen as the Editor's Choice for open access

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23.	MECH	LKM	Mirco Wegner, Luckman Muhmood, Shouyi Sun and Alex V Deev	A novel high temperature experimental setup to study the dynamic Surface Tension Phenomena in Oxide Melts	Industrial and Engineering Chemistry Research, 52(46), pp. 16444-16456	J	-	-	2013	6	-	2017 TMS-EPD Young Scientist AWARD USA
24.	MECH	LKM	W.Cao, Luckman Muhmood and Seshadri Seethraman	Sulfur transfer at Slag/Metal Interface – Impact of Oxygen potential	Metall. Mater. Trans. B, Volume 43, Number 2, 363-369	J	-	-	2012	10	-	-
25.	MECH	NSR	S. R. Nikam, S. D. Sharma	Effect of Chevron Nozzle Penetration on Aero-acoustic characteristics of jet at M = 0.8	Fluid Dynamics Research Journal Volume 49, No. 7, 2017, pp 065506, doi: https://doi.org/10.1088/1873-7005/aa8501	J	-	-	2017	-	-	-

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26.	MECH	NSR	S. R. Nikam, S. D. Sharma	Effect of Chevron on Noise radiation from Compressible Jet	AIAA Journal (Accepted Manuscript - under production) DOI: 10.2514/1.J056931	J	-	-	2018	-	-	-
27.	MECH	MJP	M. J. Pawar, Amar Patnaik, Ravindra Nagar	Mechanical and Thermo-Mechanical Analysis Based Numerical Simulation of Granite Powder Filled Polymer Composites for Wind Turbine Blade	Fibers and Polymers 2016: 17, 1078-1089	IJ	-	-	2016	1	-	-

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28.	MECH	MJP	M. J. Pawar, Amar Patnaik, Ravindra Nagar	Investigation on Mechanical and Thermo-Mechanical Properties of Granite Powder Filled Treated Jute Fiber Reinforced Epoxy Composite	Polymer Composites 2017: 38 (4), 736-748	IJ	-	-	2017	5	-	-
29.	MECH	MJP	M. J. Pawar, Amar Patnaik, Ravindra Nagar	Experimental Investigation and Numerical Simulation of Granite Powder Filled Polymer Composites for Wind Turbine Blade: A Comparative Analysis	Polymer Composites 2017: 38 (7), 1335-1352	IJ	-	-	2017	4	-	-

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30.	MECH	MJP	M. J. Pawar, Amar Patnaik, Ravindra Nagar	Numerical Simulation and Experimental Validation of Granite Powder Filled Jute Epoxy Composite for Slurry Jet Erosive Wear	International Polymer Processing, 2016: 31, 37-50	IJ	-	-	2016	1	-	-
31.	MECH	MJP	M. J. Pawar, A. Patnaik, S. K. Biswas, U. Pandel, I. K. Bhat, S. Chatterjee, A. K. Mukhopadhyay, R. Banerjee, B.P. Babu	Comparison of ballistic performances of Al ₂ O ₃ and AlN ceramics	International Journal of Impact Engineering 2016: 98, 42-51	IJ	-	-	2016	6	-	-

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32.	MECH	AKG	Ajay Kumar Gangrade, Vikas M. Phalle and S. S. Mantha	Performance analysis of a conical hydrodynamic journal bearing	Iranian Journal of Science and Technology, Transactions of Mech. Engineering, ISSN: 2228-6187 (Print); ISSN: 2364-1835 (Online). (Publisher: Springer International Publishing, indexed in Science Citation Index Expanded, SCOPUS, and Google Scholar)	IJ	-	June	2018	-	-	-

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33.	MECH	RSS	R. Sinha, A.K. Nayak and B.R. Sehgal	Modeling The Natural Convection Heat Trasfer and Dryout Heat Flux in Porous Debris Bed	ASME Journal of Heat Transfer, Vol.130, No.10	J	-	OCT.	2008	-	-	-
34.	MECH	VMK	Vijay M Khaparde	ERP: Implementation Procedures and Critical Barriers	IJERT (International Journal of Engineering Research & Technology)	IJ	-	SEPT.	2015	10	-	-
35.	MECH	SVT	Shivangi Thakker, Dr. Santosh Rane	Implementation of green supplier development process model in Indian automobile industry	Management of Environmental Quality: An International Journal, Vol. 29 Issue: 5, pp.938-960, https://doi.org/10.1108/MEQ-03-2018-0052	IJ	-	JUNE	2018	-	-	-

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36.	MECH	VGD	Vilas G Dhore, W S Rathod, K N Patil	Synthesis and Characterization of High Yield Multiwalled Carbon Nanotubes by Ternary Catalyst	Materials Today: Proceedings (Elsevier) 5(2), pp.3432-3437	IJ	-	-	2018	-	-	-
37.	MECH	AUK	A.U. Karmarkar and N.R.Gilke	Fuzzy Logic based decision support systems in variant production	Materials today: Proceedings Volume 5, Issue 2, Part 1, 2018, Pages 3842-3850	J	-	-	2018	-	-	-