



VIGNAN'S

Foundation for Science, Technology & Research

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Department of Mechanical Engineering

Faculty Research Publications

S.no	Faculty name(s)	Title of paper	Name of journal	Page no's From - to	Issn no.	Year of Publication	Indexed in scopus / sci / scie
1	K. Balamurugan, M. Uthayakumar, S. Gowthaman, R. Pandurangan	A study on the compressive residual stress due to water jet cavitation peening	Engineering Failure Analysis	268-277		2018	SCI
2	Harprabhjot Singh, Gurvinder Pal Singh Sodhi, Malkeet Singh, Nagaraj M. Chelliah & Harpreet Singh	Study: wear and super hydrophobic behaviour of PTFE-ceria composite	Surface Engineering		https://doi.org/10.1080/02670844.2018.1499176	2018	SCI
3	Gurmeet Singh, T.Ch. Anil Kumar, V.N.A. Naikan	Efficiency monitoring as a strategy for cost effective maintenance of induction motors for minimizing carbon emission and energy consumption	Reliability Engineering and System Safety		https://doi.org/10.1016/j.res.2018.02.015	2018	SCI
4	Vijay K Singh, Chetan K Hirwani, Subrata K Panda, Trupti R Mahapatra and Kulmani Mehar	Numerical and experimental nonlinear dynamic response reduction of smart composite curved structure using collocation and non-collocation configuration	Proc IMechE Part C: J Mechanical Engineering Science	1-19	DOI: 10.1177/0954406218774362	2018	SCI
5	K. Rakesh Tej Kumar, M. Ramakrishna, G. Durga Sukumar	A review on PV cells and nanocomposite-coated PV systems	Int J Energy Res	1-15	DOI: 10.1002/er.4002	2018	SCI
6	M. Rama Krishna, K. Rakesh Tej Kumar & G. Durga Sukumar	Antireflection nanocomposite coating on PV panel to improve power at maximum power point	Energy Sources, Part A: Recovery, Utilization, and Environmental Effect		https://doi.org/10.1080/15567036.2018.1496198	2018	SCI

7	M Balaji, K Venkata Rao, N Mohana Rao, BSN Murthy	Optimization of drilling parameters for drilling of Ti-6Al-4V based on surface roughness, flank wear and drill vibration	Measurement	332-339		2018	SCI
8	M. Rama Krishna and Y. Jyothi	Mechanical Properties of fly ash/sawdust enforced epoxy hybrid composite	Materials today Proceeding	42-47	2214-7853	2017	SCOPUS
9	M. Rama Krishna and Y. Jyothi	Development of composite slabs of marble powder embedded epoxy resin	Materials today Proceeding	14-19	2214-7853	2017	SCOPUS
10	M. Rama Krishna	Development of granite powder reinforced epoxy composite	Materials today Proceeding	27-32	2214-7853	2017	SCOPUS
11	K. Balamurugan, M. Uthayakumar, S.Sankar, U.S.Hareesh and K.G.K.Warrier	Effect of Abrasive Water jet Machining on LaPO ₄ /Y ₂ O ₃ Ceramic Matrix Composite	IJACS		DOI: 10.1007/s41779-017-0142-		SCI
12	D. Satyanarayana and M. Pramiladevi	Special Heuristics for Flow shop Scheduling based on Hybrid Genetic Algorithm under SDST Environment	IJMET	327-336	0976-6359	2017	SCI
13	Sk. Farooq	Effect of Fin inclination on Natural Convection Heat Transfer by using CFD	JET	2658-2664	0975-4024	2017	SCOPUS
14	Kiran raj bukkarapu, Sivajikundla	A study on Variations in the Properties of Cottonseed Bio Diesel due to addition of Diesel	ESTIJ	27-30	2250-3498	2017	SCOPUS
15	Kiran raj bukkarapu, Y. Jyothi, L. S. Raju, G. Chittibabu and Karthiknarayanan	A Review on Current Trends in Water in Oil Emulsions	IJMET	359-371	0976-6359	2017	SCOPUS
16	Kiran raj bukkarapu, Chakravarthy, Deepak, Sudhakar	Direct Relationships to Calculate Properties of Sunflower Biodiesel and Diesel Blends	IJMET	255-265	0976-6359	2017	SCOPUS

17	B nageswararao, Vedullamanojkumar, D. Vinaykumar, SK.Farooq and K.S.Raghavan	Thermal Analysis on Electronic Devices Cooling Heat Sinks using Icepak Software	IJCTA	249-256	0974-5572	2017	SCOPUS
18	P. Ravi chandra, Dr.B. Nageswararao	Design and Analysis of Frontal Impact using Crash Test of a Bumper	IJATIR	0993-0996	2348-2370	2017	SCOPUS
19	N narayanrao, T.Ashok, Anupkumartamma	Modeling and Dynamic Analysis of 6-DOF Parallel Manipulator	IJESE	68-79	2231-6604	2017	SCOPUS
20	K. VenkataRao, P.B.G.S.N. Murthy, K.P. Vidhu	Assignment of Weightage to Machining Characteristics to Improve Overall Performance of Machining using GTMA and Utility Concept	CJMST	152-58	1755-5817	2017	SCOPUS
21	A. Sreenivasarao, K.VenkataRao	A Study on Machining Characteristics TI-6AL- 4V using Experimental and Finite Fin its Element Analysis	IJCET	457-469	0976-6316	2017	SCOPUS
22	A. Sreenivasarao, K.VenkataRao	Development of Cutting Force Model by FEM Approach and Experimental Investigation of Tool Wear for CNC end Milling in Machining of Titanium alloy TI-6AL-4V	IJMME	46-53		2017	SCOPUS
23	Vedullamanojkumar, Singururajesh, Mmohammadhussian, P.Harichandraprasad, SK. Farroq	Comparative Analysis of Admiralty and Red Brass Materials and Tube Heat Exchanger for a Shell	IJRSET	11927-11934	2347-6710	2016	SCOPUS
24	Vedullamanojkumar, SK. Farroq, P.Harichandraprasad	CFD Analysis on a Heat Sink by using Grapheme	IJSTM	116-123	2394-1537	2016	SCOPUS
25	Tejdeepreddykallam, B. Nageswararao and Aradhyulaturumalavasuvu	Miniaturized Scale Green Growth Gathered from the Indian lakes utilized to derive the Bio-Diesel	IJCS	1991-1996	0972-768x	2016	SCOPUS
26	Vedullamanojkumar, B. Nageswararao, SK. Farroq and B.Srinivasarao	A Comparative Study of Heat Energy Dissipated from Electronic Devices by CFD Analysis	IJCTA	191-196		2016	SCOPUS
27	Vedullamanojkumar, SK. Farroq, B.Nageswararao	A Review of Micro Channel Heat Sink	AJBAS	230-238	1991-8178	2016	SCOPUS

28	Vedullamanojkumar, B. Nageswararao, SK. Farroq	Modeling and Analysis of Wind Turbine Blade with Advanced Materials by Simulation	IJAER	4491-4499	0973-4562	2016	SCOPUS
30	D. Satyanarayana and M. Pramiladevi	Multi-Criteria M-machine SDST flow shop Scheduling using modified Heuristic Genetic Algorithm	IJIS	409-422		2016	SCOPUS
29	K. VenkataRao, P.B.G.S.N. Murthy	Modeling and Optimization of Tool Vibration and Surface Roughness in Boring of Steel using RSM, ANN and SVM	JIM		1572-8145	2016	SCI
31	P.B.G.S.N. Murthy, JinkaRanganayakulu, K.P. Vidhu, K.VenkataRao	Heuristic Search Algorithm for the Single-Row Machine layout in an Automated Manufacturing System	PT	108-1095	Http://dx.doi.org/10.1016/j.protecy	2016	SCOPUS
32	SK Subani, B. Nageswararao, S.R Bollimuntha, A.T Vasu	Analysis of Antenna System with the Standard Design Torque Coupling	IJARSE	77-84	2319-8354	2016	SCOPUS
33	Dr. M. Rama krishna & Dr. Ramnarayanchauhan	Coconut Shell Powder for Composite to Improve the Mechanical Properties	IJMP	7_11	2320-2092	2015	SCOPUS
34	Dr. M. Rama krishna & Dr. Ramnarayanchauhan	Design, Fabrication and Performance of Contemporary Duster	JMSME	315-316	Issn: 2393-9095	2015	SCOPUS
35	Dr. K Venkata Rao	Experimental Study on Tool Condition Monitoring in Boring of AISI 316 Stainless Steel	PJEM	Doi: 10.1177/0954405414565139	Issn: 20412975, 09544054	2015	SCI
36	K. VenkataRao, K.P. Vidhu, T.Anupkumar, N.Narayanarao, P.B.G.S.N. Murthy, M. Balaji	An Artificial Neural Network Approach to Investigate Surface Roughness and Vibration of Work Piece in Boring of AISI 1040 Steels	IJAMT		Doi:10.1007/s00170-015-7621-1	2015	SCI
31	B. Nageswararao	Effect of Injection Pressure on Performance and Emissions of CNG Diesel Dual Fuel Engine	IJESE	305-315	0975-5462	2014	INDEXED
32	B. Nageswararao	Reduction of Oxides of Nitrogen Emissions in Single Cylinder Dual Fuel Engine using Exhaust Gas Recirculation and Varying Pressures	IJARES	66-74	0976-6480	2014	INDEXED
33	B. Nageswararao	Effect of CNG Flow Rate on the Performance and Emissions of a Mulllite-Coated Diesel Engine under Dual-fuel mode	IJAE	1_8	Doi:10.1080/01430750.2015.102	2014	INDEXED

34	B. Nageswararao	Performance and Emission Analysis of Diesel Engine using CNG under Dual-fuel mode with Exhaust Gas Recirculation	GJRE	31-38	0975-5861	2014	INDEXED
35	B. Nageswararao	Effect of Thermal Insulation on the Performance and Emission Characteristics of a CNG Diesel Dual-fuel Engine	IJES	29-42	0975-6469	2014	INDEXED
36	B. Iftekharrussain, Mir safiulla, Mohamed ali, G.Suresh	Injection Mould Tool Design of Power box Side Panel	IJIRS	2319-8753		2014	INDEXED
37	B. Nageswararao	Effect of Injection Pressure on Performance and Emissions of CNG Diesel Dual Fuel Engine	IJESE	305-315	0975-5462	2014	INDEXED
38	B. Nageswararao	Reduction of Oxides of Nitrogen Emissions in Single Cylinder Dual Fuel Engine using Exhaust Gas Recirculation and Varying Pressures	IJARES	66-74	0976-6480	2014	INDEXED
39	B. Nageswararao	Effect of CNG Flow Rate on the Performance and Emissions of a Mulllite-Coated Diesel Engine under Dual-fuel mode	IJAE	1_8	Doi:10.1080/01430750.2015.102	2014	INDEXED
40	B. Nageswararao	Performance and Emission Analysis of Diesel Engine using CNG under Dual-fuel mode with Exhaust Gas Recirculation	GJRE	31-38	0975-5861	2014	INDEXED
41	B. Nageswararao	Effect of Thermal Insulation on the Performance and Emission Characteristics of a CNG Diesel Dual-fuel Engine	IJES	29-42	0975-6469	2014	INDEXED
42	B. Hussain, Mir safiulla, Mohamed ali, G.Suresh	Injection Mould Tool Design of Power box Side Panel	IJIRS	2319-8753		2014	INDEXED
43	Narendrasinghchand, V.K.Tewari, K.P. Vidhu	Engineering Innovation in Developing Rural Load Carrier Operated Jute seed Drill for Farm workers	AJAR	797-805	Doi:10.5897/ajar2013.8004	2014	SCOPUS
44	K. VenkataRao, B.S.N. Murthy and N. Mohanarao	Prediction of Cutting Tool Wear, Surface Roughness and Vibration of Work piece in Boring of AISI316 Steel with Artificial Neural Network	Measurement	63-70	0263-2241	2014	SCI
45	T. Sunil kumar, K.Durgarao, M.M.M.Sarcar and B.S.K.S. Sivarao	Free Vibration Analysis of a Cracked Composite Beam	IJAMMT	459-464	Issn no: 2277-3886	2013	OTHER INDEXED
46	V.K.Tewari, K.P.Vidhu, Ashok kumararudra, Sweeti kumara	Reduction of Hand Transmitted and Whole Body Vibrations Experienced by Tractor Operators by using Piezo Crystal Material	CIGR Journal	209-220	1682-1130	2013	SCOPUS

47	V.K.Tewari, Narendrasinghchand del and K.P.Vidhu	Performance Modeling of a Groundnut Stripper using Response Surface Methodology	IAEJ	39-48	0858- 2114	2013	SCOPUS
48	K. VenkataRao, P.B.G.S.N. Murthy, N. Mohanarao	Cutting tool Condition Monitoring by Analyzing Surface Roughness, Work piece Vibration and Volume of Metal Removed for AISI 1040 Steel in Boring	Measurement	4075- 4084	0263- 2241	2013	SCI
49	K. P. Kumar, K.V.N.S. Rao, K.R.Krishna and B.Theja	Neural Network based Vibration Analysis with Novelty in Data Detection for a Large Steam Turbine	IJSV	25-35	1070- 9622	2012	SCI