

Faculty publications

Department faculty are actively publishing their research findings in peer reviewed and widely indexed journals as well as conference proceedings. The original findings published by the Department faculty have been receiving extensive citations from other researchers across the world. Given below is a list of recent publications by the department faculty.

Title of paper	Name of the author/s	Name of journal	Year of publication	DOI
Biofuel production from novel Prunus domestica kernel oil: process optimization technique	P Babu Aurtherson, Bhanu Teja Nalla, Karthikeyan Srinivasan, Kulmani Mehar & Yuvarajan Devarajan	Biomass Conversion and Biorefinery	2021-2022	DOI:10.1007/s13399-021-01551-5
Renewable Pathway and Twin Fueling Approach on Ignition Analysis of a Dual-Fuelled Compression Ignition Engine •	Yuvarajan Devarajan, Beemkumar Nagappan, Gautam Choubey, Suresh Vellaiyan and Kulmani Mehar	Energy & Fuels	2021-2022	DOI:10.1021/acs.energyfuels.0c04237
Tribological performance of low viscosity halogen-free ammonium based protic ionic liquids with carboxylate anions as neat lubricants	Ghassan M.J.Al KaisyaM. Ibrahim A.MutalibaT V V L N Rao bAdolfoSenatorec	Tribology International	2021-2022	DOI; 10.1016/j.triboint.2021.107058
Investigations on effectiveness of transfer layer on specific wear rate and coefficient of friction during dry sliding of hybrid	Kalaiselvan Subramanian, Sarala Ramasubramanian, Baskaran Selvam, Prithivirajan Rajaram.	Polymer Composites	2021-2022	https://doi.org/10.1002/pc.26371

Title of paper	Name of the author/s	Name of journal	Year of publication	DOI
polymer matrix composites				
Characterisation of aluminium and alumina thin films coatings using different deposition methods for enhancement of optical properties	Harinandan Kumar, M. Muralidhar Singh, P. Sivaiah	International Journal of Materials Engineering Innovation	2021-2022	https://www.inderscienceonline.com/doi/pdf/10.1504/IJMATEI.2021.116943
A review on TIG welding technology variants and its effect on weld geometry	Kamlesh Kumar, Ch. Sateesh Kumar, Manoj Masanta, Swastik Pradhan	Materials Today: Proceedings	2021-2022	https://doi.org/10.1016/j.matpr.2021.07.308
Performance improvement of turning operation during processing of AISI 304 with novel textured tools under minimum quantity lubrication using hybrid optimization	Sivaiah, P., Ajay kumar G, V., Lakshmi Narasimhamu, K. and Siva Balaji, N	Materials and Manufacturing Processes	2021-2022	https://doi.org/10.1080/10426914.2021.1967977
Investigation on the Stress Distribution During Hard Turning of AISI 52100 Steel Using Al2O3/TiCN Coated Cutting Tool	Ch Sateesh Kumar, Pawan Kumar, Kamlesh Kumar, Filipe Fernandes, Himadri Majumder, Akhtar Khan, and Saroj Kumar Patel	Processing and Characterization of Materials, Springer Proceedings in Materials	2021-2022	https://doi.org/10.1007/978-981-16-3937-1_27

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with Mono-layered AlCrN and Multi-layered AlTiN/TiN Coating				
Processing of 17-4 PH steel in turning operation with hybrid textured tools	P. Sivaiah, Muralidhar Singh M, V. Chengal Reddy, P. Meghashyam	Materials and Manufacturing Processes	2021-2022	DOI: 10.1080/10426914.2021.2001503
Effect of single and hybrid pattern textured tools on turning process performance	P. Sivaiah, Muralidhar Singh M, and V. Chengal Reddy.,	Materials and Manufacturing Processes	2021-2022	doi.org/10.1080/10426914.2021.2001511
Nonlinear dynamics and chaos of a multi-disk rotating shaft undergoing large deflection mounted on a moving support	HanmantP.Ph adatare BarunPratiher	International Journal of Non-Linear Mechanics	2021-2022	https://doi.org/10.1016/j.ijnonlinmec.2021.103819
Micro-structure and self-lubricant properties of powder mixed electrical discharge metal matrix composite coating	Ilangovan Arun , C Yuvaraj,Sivakumar and S Thamizhmanii Proc IMechE Part E:	J Process Mechanical Engineering	2021-2022	DOI: 10.1177/09544089211062665 journals.sagepub.com/home/pie
Electric discharge coating process variation and its wear properties	Ilangovan Arun, C. Yuvaraj, G. Chandra Sekhar Reddy and Nara Siva Balaji	Int. J. Surface Science and Engineering	2021-2022	https://doi.org/10.1504/IJSURFSE.2021.116329

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Optimizing pyrolysis process parameters of plastic grocery bag, with mass-energy assessment and characterization of oil at optimal condition	Dipankar Saha, Jackson Gurung, Bidesh Roy, Ajmal Koya Pulikkal, Abhijit Bhowmik & Satyajit Pattanayak	Clean Technologies and Environmental Policy	2021-2022	https://doi.org/10.1007/s10098-022-02298-x
Processing of hardened steel by MQL technique using nano cutting fluids	Anshuman Das, Saroj Kumar Patel, Manoranjan Arakha, Abhijit Dey, and Bibhuti Bhushan Biswal	Materials and Manufacturing Processes	2020-2021	https://doi.org/10.1080/10426914.2020.1832688
Multiscale finite element prediction of thermomechanical flexural strength of nanotube-reinforced hybrid smart composite panel bonded with SMA fibre,	Mehar K, Panda S K and, Dewangan H C	Structures	2020-2021	https://doi.org/10.1016/j.istruc.2020.10.049 28, 2300-2310
Machinability evaluation during machining of AISI 52100 steel with textured tools under Minimum Quantity Lubrication – A comparative study	P. Sivaiah, M. Guru Prasad, Muralidhar Singh M& B. Uma	Materials and Manufacturing Processes	2020-2021	https://doi.org/10.1080/10426914.2020.1802034

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Investigation on turning process performance using hybrid-textured tools under dry and conventional cooling environment	P Sivaiah, Muralidhar Singh M, SaduVenkatesu, G Yoganjaneyulu	Materials and Manufacturing Processes	2020-2021	https://doi.org/10.1080/10426914.2020.1813893 35(16), 1852-1859
Study on the effect on combining long-chain additive with neat bio-dieselfueled engine to examine its ignition characteristics	Yuvarajan Devarajan, Dinesh Babu Munuswamy, Beemkumar Nagappan, Gautam Choubey	Fuel	2020-2021	https://doi.org/10.1016/j.fuel.2020.118400
A comparison on microstructure and mechanical properties of electric discharge metal matrix nickel and silica composite coating on duplex stainless steel	Ilangovan Arun, C Yuvaraj, A Madhu, T Ramesh	Journal of Composite Materials	2020-2021	https://doi.org/10.1177/0021998320953882
Corrosion behaviour of detonation gun sprayed cermet coatings on AA5083 T. Arunnellaippan,	S. Baskaran, S. Arun & R. Prithivirajan	Surface Engineering	2020-2021	https://doi.org/10.1080/02670844.2020.1807096
Degradation of distillery	Karpagaraj A T.	International Journal of Environmenta	2020-2021	https://doi.org/10.1080/03067319.2020.1807532

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effluent by twisted-type Iron electrodes: experimental with ANN approach Charles David,	ArunNellaiappan	Analytical Chemistry		
Analytical analysis of combined effect of interior guide tube and draft tube on cross flow turbine performance	Abbas, A., Alam, M. and Kumar, R	Materials Today: Proceedings	2020-2021	https://doi.org/10.1016/j.matpr.2020.08.796
Design and cost analysis of fish friendly kaplan turbine: A case study	Kumar, R., Abbas, A., Dwevedi, G. and singal, S.K	Materials Today: Proceedings	2020-2021	https://doi.org/10.1016/j.matpr.2020.08.805
Micromechanical Modeling of Ferrite–Austenite Interphase of 23Cr–6Ni–3Mo Duplex Stainless Steel with an Initial Equiaxed Austenite Morphology Using Finite Element Methods	Kumar P., Choudhury A.R., Basantia S., Dutt A	Advances in Industrial Automation and Smart Manufacturing . Lecture Notes in Mechanical Engineering	2020-2021	https://doi.org/10.1007/978-981-15-4739-3_46
Application of Artificial Neural Network to Friction Stir Welding Process of AA7050 Aluminum Alloy.	Dutt A.K., Sindhuja K., Reddy S.V.N., Kumar P.	Advances in Industrial Automation and Smart Manufacturing . Lecture Notes in Mechanical Engineering	2020-2021	https://doi.org/10.1007/978-981-15-4739-3_34
Characterization of spheroidize	Ram Krishna, Sreenivasan	Lecture Notes in Mechanical Engineering	2020-2021	https://doi.org/10.1007/978-3-030-71956-2_201(1), 249-257

Title of paper	Name of the author/s	Name of journal	Year of publication	DOI
d alumina powders for ceramic 3D printing application	M, Lyutyk M, Barosh M	with title: Advances in Manufacturing Engineering and Materials II		
A comparative simulation analysis of conventional and composite leaf spring	Kumar MD, Mohanraj T, Suresh G, Ram Krishna, Sreenivasan M, Arunkumar J, Yogesh C, Nayab Hussain ST	Lecture Notes in Mechanical Engineering with title: Advances in Manufacturing Engineering and Materials II	2020-2021	https://doi.org/10.1007/978-3-030-71956-2_22 1, 270-281
Parametric Investigation of Beta Type Stirling Engine	H. Raghavendra, P. Suryanarayanan Raju, and K. Hema Chandra Reddy	Advances in Fluid Dynamics, Lecture Notes in Mechanical Engineering	2020-2021	https://doi.org/10.1007/978-981-15-4308-1_32
Effect of Geometric and Operational Parameters on the Performance of a Beta Type Stirling Engine: A Numerical Study	H. Raghavendra, P. Suryanarayanan Raju, and K. Hema Chandra Reddy	Iranian Journal of Science and Technology, Transactions of Mechanical Engineering	2020-2021	https://doi.org/10.1007/s40997-020-00406-0
Heat transfer enhancement through porous fins: A comprehensive review of recent developments and innovations	Tuhin Deshamukhya, Dipankar Bhanja, Sujit Nath.	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science. July 2020.	2020-2021	doi:10.1177/0954406220939600
Implementation of Blockchain-Based Security and Privacy in Energy Management	AD Dhass, SR Anand, Ram Krishna	Advanced Technologies for Solar Photovoltaics Energy Systems	2020-2021	https://doi.org/10.1007/978-3-030-64565-6_18 1, 515-527

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Experimental investigation on solar-powered ejector refrigeration system integrated with different concentrators	Devarajan, Y., Nagappan, B., Subbiah,	Environ Sci Pollut Res Int	2020-2021	doi: 10.1007/s11356-020-12248-z
Experimental investigation on slaughter, fish waste and poultry excrete oil as fuel blends in diesel engine	J.Hemanandh, Yuvarajan, Devarajan, Ruby Mishra & Nagaraj Meenakshisundaram	Biomass Conversion and Biorefinery	2020-2021	https://doi.org/10.1007/s13399-021-01293-4
Thermal frequency analysis of FG sandwich structure under variable temperature loading,	Sahoo B, Mehar K, Sahoo K, Sharma N and Panda S	Structural Engineering and Mechanics	2020-2021	doi.org/10.12989/sem.2021.77.1.001
Theoretical modelling and experimental verification of modal responses of skewed laminated sandwich structure with epoxy-filled softcore	Katariya P V, Panda S K, Mehar K	Engineering Structures	2020-2021	doi.org/10.1016/j.engstruct.2020.111509
Thermal buckling strength of smart nanotube-reinforced doubly curved hybrid	Mehar K, Mishra P K, Panda, S K,	Computers and Mathematics with Applications	2020-2021	https://doi.org/10.1016/j.camwa.2021.03.010

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composite panels				
Thermal post-buckling strength prediction and improvement of SMA bonded carbon nanotube-reinforced shallow shell panel: a nonlinear FE micromechanical approach	Mehar K, Mishra P K, Panda, S K,	Journal of Pressure Vessel Technology	2020-2021	Accepted Manuscript
Multiple-objective optimization of hydroxyapatite-added EDM technique for processing of 316L-steel Md Al-Amin,	Ahmad-Majdi Abdul-Rani, Rasel Ahmed, T. V. V. L. N. Rao	Materials and Manufacturing Processes	2020-2021	https://doi.org/10.1080/10426914.2021.1885715
Dry Sliding Tribological Studies of ZA-27/Al ₂ O ₃ Metal Matrix Nanocomposites by using Response Surface Methodology	Shivakumar N, Vasu Vand Narasaiah N	Journal of the Chinese Society of Mechanical Engineers	2020-2021	https://doi.org/10.29979/JCSME, 41(6), P827-836
A review on the suitability of wire arc additive manufacturing (WAAM) for stainless steel 316	Karpagaraj. A, Baskaran. S, Arunnellaiappan. T, Kumar. N.R	AIP Conference Proceedings	2020-2021	https://aip.scitation.org/doi/pdf/10.1063/5.0004148
Influence of	A. Perumal A, Azhagurajan	Journal of Inorganic and	2020-2021	https://doi.org/10.1007/s10904-021-01953-y

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Optimization Techniques on Wire Electrical Discharge Machining of Ti-6Al-2Sn-4Zr-2Mo Alloy using Modeling Approach.	S, Suresh Kumar, R. Prithivirajan, S. Baskaran, P. R. Rajkumar, C. Kailasanathan, G. Venkatesan	Organometallic Polymers and Materials		
Development of multi functioning organic waste shredding machine for natural compost	E.Pavankumar, S. Baskaran*, R. Prithivirajan, S. Vinoth Kumar, A. Karpagaraj	Advances in Industrial Automation and Smart Manufacturing	2020-2021	https://doi.org/10.1007/978-981-15-4739-3_90
Investigation on slurry pot erosion wear behaviour of AA5083 aluminium alloy	K. Sasidhar Reddy, B. Sasi Prasad, E. Sai Kiran Gowd, A. Sekhar Babu, B. Santhosh Kumar, R. Manoj Kumar, S. Baskaran	Advances in Industrial Automation and Smart Manufacturing	2020-2021	https://doi.org/10.1007/978-981-15-4739-3_47
Wear behaviour of whisker-reinforced ceramic tools in the turning of Inconel 718 assisted by an atomized spray of solid lubricants	Vinoth kumar Sivalingam, Zhuoliang Zana, Jie Sun, Baskaran Selvam, Munish Kumar Gupta, Muhammad Jamil, Mozammel Mia .	Tribology International	2020-2021	https://doi.org/10.1016/j.triboint.2020.106235
A comparative study on different textured and untextured tools performance in turning process	P. Sivaiah, M. Revantha Kumar, S. Bala Subramanyam & K. L. V. Prasad	Materials and Manufacturing Processes	2020-2021	https://doi.org/10.1080/10426914.2020.1866201

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Identifying the effectiveness of manner of cryogenic coolant supply in different cryogenic cooling techniques in turning process—a review	P. Sivaiah & D. Chakradhar	Machining Science and Technology	2020-2021	https://doi.org/10.1080/10910344.2020.1815039
Knowledge and Practice of Yoga in Adolescent Girls	V Shankernath, Srinivaas Ankamreddy & Santosh Kumar Mahapatra	International Journal of Yoga and Allied Sciences	2020-2021	--
Growth and Optical properties of silicon based nanocomposite thin films	K. Lakshun Naidu, M. A. Mohiddon, V. Shankernath, M. Ghanashyam Krishna	AIP Conference proceedings	2020-2021	https://doi.org/10.1063/5.0019789
Determination of methane sorption capacity using microstructural analysis in coal of Jharia Coalfield, India	Kumar, H., Mishra, M.K., Susmita Mishra, M. Muralidhar Singh & Dilip Kumar Srivastava	Arabian Journal of Geosciences	2020-2021	https://doi.org/10.1007/s12517-021-07051-0
Evaluation of Mechanical Properties of Glass Fiber-BMPM/DAB A-PMC Composite.	M. Muralidhar Singh, M., Kumar, H. & Sivaiah, P	Trans Indian Inst Met	2020-2021	https://doi.org/10.1007/s12666-021-02314-6
Influence of rock properties on emission rate of Particulates Matter	Koneti Venkataravanappa Nagesha, Harinandan Kumar, Muralidhar	Iranian Journal of Earth Sciences	2020-2021	https://doi.org/10.30495/ijes.2021.677471

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(Pm) during drilling operation in surface mines	Singh Munisingh			
Alumina Thin film Coatings at Optimized Conditions using RF Magnetron Sputtering Process	Muralidhar Singh M , Harinandan Kumar , P. Sivaiah *	International Journal of Thin Films Science and Technology	2020-2021	http://dx.doi.org/10.18576/ijtfst/100103 .
Sustainability Assessment and Machinability Investigation of Austenitic Stainless Steel in Finish Turning with Advanced Ultra-Hard SiAlON Ceramic Tool under Different Cutting Environments	Smita Padhan & Anshuman Das & Aniket Santoshwar & Thakkar Raj Dharmendrabhai and Sudhansu Ranjan Das	Silicon	2019-2020	https://doi.org/10.1007/s12633-020-00409-1 12(2), 29
Nonlinear deformation and stress responses of a graded carbon nanotube sandwich plate structure under thermoelastic loading	Mehar K and Panda S K	Acta Mechanica	2019-2020	https://doi.org/10.1007/s00707-019-02579-5 231(3), 1105 - 1123
Numerical investigation of thermal frequency responses of graded hybrid	Mehar K, Mishra P K and Panda S K	Mechanics of Advanced Materials and Structures	2019-2020	https://doi.org/10.1080/15376494.2020.1725193

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smart nanocomposite (CNT-SMA-Epoxy) structure				
Numerical investigation and experimental verification of thermal frequency of carbon nanotube-reinforced sandwich structure	Mehar K, Panda S K and Sharma N	Engineering Structures	2019-2020	https://doi.org/10.1016/j.engstruct.2020.110444
Multiscale modeling approach for thermal buckling analysis of nanocomposite curved structure	Mehar K and Panda S K	Advances in Nano Research	2019-2020	https://doi.org/10.12989/anr.2019.7.3.1817(3),179-188
Numerical buckling analysis of graded CNT-reinforced composite sandwich shell structure under thermal loading	Kulmani Mehar, Subrata Kumar Panda, Yuvarajan Devarajan, Gautam Choubey	Composite Structures	2019-2020	https://doi.org/10.1016/j.compstruct.2019.03.002216,406-414
Finite element solution of stress and flexural strength of functionally graded doubly curved sandwich shell panel	Dash S, Mehar K, Sharma N, Mahapatra T R and Panda S K,	Earthquakes and Structure	2019-2020	https://doi.org/10.12989/eas.2019.16.1.055
A novel optimum constructal fork-shaped fin array design for	Saheera Azmi Hazarika, Tuhin Deshamukhya, DipankarBhanna, SujitNath	International Journal of Thermal Sciences	2019-2020	https://doi.org/10.1016/j.ijthermalsci.2019.106225150,106225

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simultaneous heat and mass transfer application in a space-constrained situation				
Recent advances in cavity-based scramjet engine- a brief review	Choubey G, Devaraja Y, Huang W, Mehar K, Tiwari M and Pandey K M	International Journal of Hydrogen Energy	2019-2020	https://doi.org/10.1016/j.ijhydene.2019.04.003
Nonlinear dynamic responses of layered skew sandwich composite structure and experimental validation	Katariya P V, Mehar K and Panda S K	International Journal of Non-Linear Mechanics	2019-2020	https://doi.org/10.1016/j.ijnonlinmec.2020.103527
Numerical Prediction of Deflection and Stress Responses of FGM Structure for Grading Patterns (Power-Law, Sigmoid and Exponential) and Variable Porosity (Even/Uneven)	Ramteke P M, Mehar K, Sharma N and Panda S K	Scientia Iranica	2019-2020	https://doi.org/10.24200/SCI.2020.55581.4290
Determination of Strength Parameters of Glass Fibers Reinforced Composites for Engineering	M Muralidhar Singh, Harinandan Kumar, G Hemath Kumar, P Sivaiah, KV Nagesha, KM Ajay, G Vijaya	Silicon	2019-2020	https://doi.org/10.1007/s12633-019-0078-3

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Applications				
Effect of novel hybrid texture tool on turning process performance in MQL machining of Inconel 718 superalloy	P Sivaiah, Venkata Ajay Kumar G, Muralidhar Singh M, Harinandan Kumar	Materials and Manufacturing Processes	2019-2020	https://doi.org/10.1080/10426914.2019.1697444 35(1), 61-71
Experimental assessment of performance and exhaust emission characteristics of a diesel engine fuelled with Punnai biodiesel/butanol fuel blends	Yuvarajan Devarajan · Dineshbabu Munuswamy · Beemkumar Nagappan · Ganesan Subbiah	Petroleum Science	2019-2020	https://doi.org/10.1007/s12182-019-00361-9 16, 1471-1478
An experimental study on the influence of an oxygenated additive in diesel engine fuelled with neat papaya seed biodiesel/diesel blends	Yuvarajan Devarajan, Nagappan Beemkumar, S. Ganesan, T. Arunkumar	Fuel	2019-2020	https://doi.org/10.1016/j.fuel.2020.117254 268, 117254
Detailed study on the effect of different ignition enhancers in the binary blends of diesel/biodiesel as a possible substitute	Yuvarajan Devarajan · Dineshbabu Munuswamy · Beemkumar Nagappan · Ganesan Subbiah	Petroleum Science	2019-2020	https://doi.org/10.1007/s12182-020-00463-9 17, 1151-1158

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for unaltered compression ignition engine				
Feasibility study of employing diverse antioxidants as an additive in research diesel engine running with diesel-biodiesel blends	Yuvarajan Devarajan, Beemkumar Nagappan, G. Mageshwaran, M. Sunil Kumar, R.B. Durairaj	Fuel	2019-2020	https://doi.org/10.1016/j.fuel.2020.118161
Study on the effect on combining long-chain additive with neat bio-diesel fuel engine to examine its ignition characteristics	Yuvarajan Devarajan, Dinesh Babu Munuswamy, Beemkumar Nagappan, Gautam Choubey	Fuel	2019-2020	https://doi.org/10.1016/j.fuel.2020.118400
Emission study on the effect of ignition improver in diesel fueled engine	Yuvarajan Devarajan, Gautam Choubey, Sivasaravanan Sellappan, Sunil Kumar Muniraj & Booma Devi Perumal Pillai	Petroleum Science and Technology	2019-2020	https://doi.org/10.1080/10916466.2020.1781169 38(12), 763-771
Synthesis of electrical discharge metal matrix composite coating through compacted semi-sintered electrode and its tribological studies	Ilangovan Arun, C.Yuvaraj, J.S. Senthilkumaran, S. Thamizhmani	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019-2020	https://doi.org/10.1007/s40430-019-1718-7 41, 213

Title of paper	Name of the author/s	Name of journal	Year of publication	DOI
Electrical discharge metal matrix composite coating on duplex stainless steel and its wear behavior under different environmental conditions	Ilangovan Arun, B Gangadhar, C Yuvaraj and C Kousalya	Materials Research Express	2019-2020	https://doi.org/10.1088/2053-1591/ab33bf
Influence of Silica on Microstructural Modification of Electrical Discharge Composite Coating and its Wear Performance	Arun, I., Yuvaraj, C., Jyothibabu P and G. Chandra Sekhar Reddy	Silicon	2019-2020	https://doi.org/10.1007/s12633-019-00333-z
Parametric optimization of face turning parameters for surface roughness on EN 31 material using RSM and Taguchi method	Manu Ravuri, Y Santhosh Kumar Reddy, D Harsha Vardhan	Materials Today: Proceedings	2019-2020	https://doi.org/10.1016/j.matpr.2020.05.816
Fabrication of superhydrophobic coating on PEO treated zirconium samples and its corrosion resistance	T. Arun Nellaiappan	Materials Today: Proceedings	2019-2020	https://doi.org/10.1016/j.matpr.2019.09.058 27(3), 2056-2060
A review on the suitability of wire arc additive	T. Arun Nellaiappan	AIP Conference Proceedings	2019-2020	https://doi.org/10.1063/5.0004148

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manufacturing (WAAM) for stainless steel 316				
Development of statistical models to predict emission rate and concentration of particulate matters (PM) for drilling operation in opencast mines	K. V. Nagesha, Harinandan Kumar & M Muralidhar Singh	Air Quality, Atmosphere & Health	2019-2020	https://link.springer.com/article/10.1007/s11869-019-00723-7 12, 1073-1079
Ignition analysis on neat alcohols and biodiesel blends propelled	Yuvarajan Devarajan, Gautam Choubey & Kulmani Mehar	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects	2019-2020	https://doi.org/10.1080/15567036.2019.1618998
Optical properties of magnetron sputtered nanocrystalline gold nitride thin films	Shankernath V, Lakshun Naidu K, Ghanashyam Krishna M, and Padmanabhan K A	Materials Research Express	2019-2020	https://doi.org/10.1088/2053-1591/ab2a55
Effect of feed rate on difficult to cut metals on Surface roughness and tool wear using Surface treated and untreated tools	Thamizhmanii S, Yuvaraj C, Sethilkumar JS, Arun I,	Sulaiman Procedia Manufacturing	2019-2020	https://doi.org/10.1016/j.promfg.2019.02.032
Estimation of Surface Roughness on Ti-6Al-4V in High Speed Micro End Milling by	Chakradhar Bandapalli, Bharatkumar Mohanbhai Sutar and Dhananjay Vishnuprasad Bhatt	Indian Journal of Engineering and Materials Sciences	2019-2020	http://nopr.niscair.res.in/handle/123456789/5350326 (5&6) 379-389

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ANFIS Model.				
Multiobjective optimization of sustainable turning process using TOPSIS method	Sivaiah, P. and Uma, B.	Emerging Materials Research	2019-2020	https://doi.org/10.1680/jemmr.17.00029
Evaluation of hybrid textured tool performance under minimum quantity lubrication while turning of AISI 304 steel	Sivaiah, P.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019-2020	https://doi.org/10.1007/s40430-019-2069-0
Investigation of cryogenically treated PVD TiAlN/NbN coated carbide inserts in end milling of hard Ti alloy	Vinothkumar Sivalingam, Jie Sun, Baskaran. S. Pengwei Zheng	Journal of Testing and Evaluation	2019-2020	https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/TESTEVAL/PAGES/JTE20180728.htm
Statistical evaluation and performance analysis of electrical discharge machining (EDM) characteristics of hard Ti-6Al-2Sn-4Zr-2Mo alloy	Perumal A, Azhagurajan A, Baskaran S, Prithvirajan R, Narayansamy P	Material Research Express	2019-2020	https://doi.org/10.1088/2053-1591/ab06da
Wear behavior of Al 7075/Al ₂ O ₃ /SiC Hybrid NMMC's by Stir Casting Method	S.Suresh G. Harinath Gowd M.L.S.Devakumar	Materials Today: Proceedings	2019-2020	https://doi.org/10.1016/j.matpr.2020.04.275

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Mechanical and wear Characteristics of Aluminium Alloy 7075 Reinforced with Nano-Aluminium Oxide/ Magnesium Particles by Stir casting Method	S.Suresh G. Harinath Gowd M.L.S.Devakumar	Materials Today: Proceedings	2019-2020	https://doi.org/10.1016/j.matpr.2020.04.276
Parametric Investigations on Friction Stir Welding of Aluminium Alloys	Bazani Shaik , Harinath Gowd , B. Durgaprasad	Emerging Trends in Mechanical Engineering	2019-2020	DOI:10.1007/978-981-32-9931-3_33
Mechanical and wear behavior of Al 7075/Al ₂ O ₃ /SiC/mg metal matrix nanocomposite by liquid state process	S.Suresh G. Harinath Gowd M.L.S.Devakumar	Advanced Composites and Hybrid Materials	2019-2020	DOI:10.1007/s42114-019-00101-y
Experimental and parametric studies with friction stir welding on aluminium alloys	Bazani Shaik , Harinath Gowd , B. Durgaprasad	Materials Today: Proceedings	2019-2020	https://doi.org/10.1016/j.matpr.2019.07.615
A comprehensive study on emission and performance characteristics of a diesel engine fueled with nanoparticle-blended biodiesel	Yuvarajan Devarajan, Beemkumar Nagappan, Ganesan Subbiah	Environmental Science and Pollution Research	2019-2020	https://doi.org/10.1007/s11356-019-04446-1
Experimental	S Suresh, G Harinath	Sadhana	2018-2019	https://doi.org/10.1007/s12046-018-1021-9

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investigation on mechanical properties of Al7075/Al2O3/Mg NMMC's by stir casting method	Gowd and M I S Deva Kumar			
Synthesis of electrical discharge metal matrix composite coating through compacted semi-sintered electrode and its tribological studies	Ilangovan Arun, C. Yuvaraj , P. Selvarani, J. S. Senthilkumaa r, S. Thamizhmanii , P. Murugananda m	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018-2019	https://doi.org/10.1007/s40430-019-1718-7
Influence of Multi-hole Technique on Fabrication of Surface Nanocomposite by Friction Stir Processing	Parumandla Naresh and Adepu Kumar	Advances in Manufacturing Processes, Lecture Notes	2018-2019	https://doi.org/10.1007/978-981-13-1724-8_51
Performance improvement of cryogenic turning process during machining of 17-4 PH stainless steel using multi objective optimization techniques	Potta Sivaiah , D. Chakradhar	Measurement	2018-2019	https://doi.org/10.1016/j.measurement.2018.12.094
Determination of strength parameters of glass fibers reinforced	M. Muralidhar Singh, Harinandan Kumar, G. Hemath Kumar, P. Sivaiah & K.	Silicon	2018-2019	https://doi.org/10.1007/s12633-019-0078-3

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composites for engineering applications	V. Nagesha, K. M. Ajay, G. Vijaya			
Effect of cryogenic coolant on turning performance: a comparative	Sivaiah Potta	Sn Applied Sciences	2018-2019	https://doi.org/10.1007/s42452-018-0078-8
Characterization of Musa paradisiaca L. Cellulosic Natural Fibers from Agro-discarded Blossom Petal Waste	R. Prithivirajan, P. Narayanasamy, Naiyf sulthan al-harbi, P. Balasundar, R. Shyamkumar, K. Pommurugan, T. Ramkumar & S. Senthil	Journal of Natural Fibers	2018-2019	https://doi.org/10.1080/15440478.2019.1588826
Statistical evaluation and performance analysis of electrical discharge machining (EDM) characteristics of hard Ti-6Al-2Sn-4Zr-2Mo alloy	Perumal, A. Azhagurajan, S. Baskaran, R. Prithivirajan & P. Narayansamy	Material Research Express	2018-2019	https://doi.org/10.1088/2053-1591/ab06da
Development of Black Corrosion-Resistant Ceramic Oxide Coatings on AA7075 by Plasma Electrolytic Oxidation	Ramesh Babu Nagumothu, Arunnellaiappan Thangavelu, Arun Mohan Nair, Arun Sukumaran, Tomson Anjilivelil	Trans Indian Inst Met	2018-2019	https://doi.org/10.1007/s12666-018-1459-9
Synthesis of electrical discharge metal matrix composite	Arun Ilangovan, C. Yuvaraj, Selvarani P, Senthilkumar J S,	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018-2019	https://doi.org/10.1007/s40430-019-1718-7

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coating through compacted semi-sintered electrode and its tribological studies	Thamizhmanii . S, Murugananda m. P			
Experimental investigation of tool wear in cryogenically treated insert during end milling of hard Ti alloy	Vinothkumar Sivalingam, Jie Sun, Baskaran Selvam, Pradeep Kumar Murugasen, Bin Yang, Saad Waqar	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018-2019	https://doi.org/10.1007/s40430-019-1612-3
Unsteady mixed convection past a circular cylinder using ghost fluid cascaded lattice Boltzmann method (GF-CLBM)	Vidyasagar Ravindra, Sampath Kumar Chinige, Kameswararao Anupindi, Arvind Pattamatta	Int J Adv Eng Sci Appl Math	2018-2019	https://doi.org/10.1007/s12572-018-0232-y
Investigation on behavior of diesel engine performance, emission, and combustion characteristics using nano-additive in neat biodiesel	Yuvarajan Devarajan, Dinesh Babu Munuswamy, Arulprakashajothi Mahalingam	Heat and Mass Transfer	2018-2019	https://doi.org/10.1007/s00231-018-02537-2
Experimental evaluation of combustion, emission and performance of research	Yuvarajan Devarajan	Atmospheric Pollution Research	2018-2019	https://doi.org/10.1016/j.apr.2018.12.007

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diesel engine fueled di-methyl-carbonate and biodiesel blends				
Comparative experimental study on parabolic trough collector integrated with thermal energy storage system by using different reflective materials	Nagappan Beemkumar, Devarajan Yuvarajan, Alagu Karthikeyan, Subbiah Ganesan	Journal of Thermal Analysis and Calorimetry	2018-2019	https://doi.org/10.1007/s10973-018-07989-6
Effect of di-ethyl-ether on biodiesel fueled diesel Engine	A. Devaraj, Yuvarajan Devarajan & Kanna I. Vinoth	International Journal of Ambient Energy	2018-2019	https://doi.org/10.1080/01430750.2018.1557546
Wear behaviour of Al 7075/SiC/Mg metal matrix nano composite by liquid state process	S. Suresh, G. Harinath Gowd & M. L. S. Deva Kumar	Advanced Composites and Hybrid Materials	2018-2019	https://doi.org/10.1007/s42114-018-0054-1d
Multi response optimization of laser beam micromilling using Taguchi based grey relational analysis	V. Chengal Reddy, G. Harinath Gowd, M.L.S. Deva Kumar	International Journal of Mechanical Engineering and Technology (IJMET)	2018-2019	Volume 9, issue 10, October 2018, pp. 1043–1050
Influence of Microstructure on the Nanomechanical	Suresh Guduru, Sanjay Jatav, G Mallikarjunachari, M. S.	The Journal of Physical Chemistry B	2018-2019	https://doi.org/10.1021/acs.jpcc.8b05972

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Properties of Polymorphic Phases of Polyvinylidene fluoride	Ramachandra Rao, Pijush Ghosh, and Dillip Kumar Satapathy			
Effect of Al ₂ O ₃ and SiC Nano Reinforcements on Microstructure, Mechanical and Wear Properties of Surface Nanocomposites Fabricated by Friction Stir Processing	Naresh Parumandla, Kumar Adepu	Materials Science	2018-2019	http://dx.doi.org/10.5755/j01.ms.24.3.18220
Effect of tool shoulder geometry on fabrication of Al/Al ₂ O ₃ surface nano composite by friction stir processing	Naresh Parumandla & Kumar Adepu	Particulate Science and Technology	2018-2019	https://doi.org/10.1080/02726351.2018.1490361
Modeling and optimization of sustainable manufacturing process in machining of 17-4 PH stainless steel	P. Sivaiah, D. Chakradhar	Measurement	2018-2019	https://doi.org/10.1016/j.measurement.2018.10.067
Tool Wear Analysis of Micro End Mills - Uncoated and PVD Coated TiAlN & AlTiN in High Speed Micro	P. Sivaiah, P. Mallikarjuna, B. Uma, K. Venkata Chalapathi	I-Manager's Journal on Mechanical Engineering	2018-2019	https://doi.org/10.26634/jme.8.4.14190

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Milling of Titanium Alloy - Ti-0.3Mo-0.8Ni				
Effect of Feed Rate and Constant D.O.P. by Burnishing Process on Non-Ferrous Metals	Chakradhar Bandapalli, Bharatkumar Mohanbhai Sutaria, Dhananjay Vishnu Prasad Bhatt, Kundan Kumar Singh	Procedia CIRP	2018-2019	https://doi.org/10.1016/j.procir.2018.08.191
Elevated corrosion in strain hardened Al-Mg alloy	S.Thamizhmani, J.S.Senthil Kumar, Arun I and Sulaiman Hasan	Proceedings of the World Congress on Engineering 2018 Vol II	2018-2019	WCE 2018, July 4-6, 2018, London, U.K.
Microstructure, Structure, Mechanical, and Salt Fog Resistance Properties of Titanium Nitride Films on AZ31B Mg-alloy	Neetu, Subhash Singh, P. Nageshwar Rao, R. Jayaganathan, A. Midathada, Kartikey Verma, Uday K. Ravella	Vacuum	2018-2019	https://doi.org/10.1016/j.vacuum.2018.09.010
Adsorption isotherms, kinetics and thermodynamic simulation of CO ₂ -CSAC pair for cooling application	Shankernath V, Lakshun Naidu K, Ghanashyam Krishna M, Padmanabhan K. A	National Conference on Physics and Chemistry of Materials	2018-2019	27th - 28th December 2018, Indore - India
Adsorption isotherms, kinetics and thermodynamic simulation of CO ₂ -CSAC pair for cooling application	Vinod Kumar Singh, E. Anil Kumar, Bidyut Baran Saha	Energy	2018-2019	10.1016/j.energy.2018.07.063
Statistical analysis of Co-efficient	Baskaran S, Anandakrishnan V	Materials Today: Proceedings	2018-2019	https://doi.org/10.1016/j.matpr.2018.03.009

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of friction during dry sliding wear behaviour of TiC reinforced Aluminium Metal Matrix Composites				
Experimental Investigations on Friction Stir Welding Process to Join Aluminum Alloys	Bazani Shaik Dr. G. Harinath Gowd, Dr. B. Durgaprasad	International Journal of Applied Engineering Research	2017-2018	
Mechanical Behavior of AL 7075 Reinforced with Al ₂ O ₃ and SiC Nano Particles Fabricated by STIR Casting Method	S. Suresh, G. Harinath Gowd & M. L. S. Deva Kumar	International Journal of Mechanical and Production Engineering Research and Development	2017-2018	http://dx.doi.org/10.24247/ijmperdapr201858
Processing and Mechanical Testings of 7075 AL Matrix Composite Reinforced with Al ₂ O ₃ Nano-Particles Fabricated by Stir Casting Route	S. Suresh, G. Harinath Gowd & M. L. S. Deva Kumar	Trans Stellar	2017-2018	http://dx.doi.org/10.24247/ijmperdapr201862
Deposition and Characterization of Aluminium Thin film Coatings using DC Magnetron Sputtering Process	Muralidhar Singh M, Vijaya G, Krupashankar a M S, B K Sridhara, T N Shridhar	Materials Today: Proceedings	2017-2018	https://doi.org/10.1016/j.matpr.2018.01.050

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Analysis and Modeling of Cryogenic Turning Operation Using Response Surface Methodology	P. Sivaiah, D. Chakradhar	Silicon	2017-2018	https://doi.org/10.1007/s12633-018-9816-1
The Effectiveness of a Novel Cryogenic Cooling Approach on Turning Performance Characteristics During Machining of 17-4 PH Stainless Steel Material	P. Sivaiah, D. Chakradhar	Silicon	2017-2018	https://doi.org/10.1007/s12633-018-9875-3
Effect of cryogenic coolant on turning performance characteristics during machining of 17-4 PH stainless steel: A comparison with MQL, wet, dry machining	P. Sivaiah, D. Chakradhar	CIRP Journal of Manufacturing Science and Technology	2017-2018	https://doi.org/10.1016/j.cirpj.2018.02.004
Characterization of cellulosic fibers from Morus alba L. stem	R. Prithvirajan, P. Balasundar, R. Shyamkumar, Naiyf sulthan al-harbi, Shine Kadaikunnan, T. Ramkumar & P. Narayanasamy	Journal of Natural Fibers	2017-2018	https://doi.org/10.1080/15440478.2018.1426079
Extraction and	P. Balasundar,	Journal of Natural Fibers	2017-2018	https://doi.org/10.1080/15440478.2017.1349015

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Characterization of New Natural Cellulosic Chloris barbata Fiber	P. Narayanasamy, P. Senthamaraiannan, S. Senthil, R. Prithvirajan & T. Ram Kumar			
Influence of helix twisted tape on heat transfer and friction factor in forced circulation V-trough solar water heater	A. Saravanan, J. S. Senthilkumar, S. Jaisankar & J. Ananth	International Journal of Sustainable Energy	2017-2018	https://doi.org/10.1080/14786451.2018.1476352
Experimental investigation of process parameters during environment friendly turning process	KM. Senthil Kumar, R. Thirumalai, J.S. Senthilkumar and M. Chandrasekharan.	Ecology, Environment and Conservation Paper	2017-2018	Vol 24, Feb. Suppl. Issue, pp. 422-427
Wear behaviour of Mg alloys and their composites – a review	Abhijit Dey, Krishna Murari Pandey	International Journal of Materials Research	2017-2018	Vol. 109, No. 11, pp. 1050-1070
Experimental investigation of top burr formation in high-speed micro-end milling of titanium alloy	Chakradhar Bandapalli, Kundan Kumar Singh, Bharatkumar Mohanbhai Sutaria & Dhananjay Vishnu Prasad Bhatt	Machining Science and Technology	2017-2018	https://doi.org/10.1080/10910344.2018.1449213
Effect of Feed Rate on Difficult to Cut Metals on Surface Roughness and Tool	S.Thamizhmani, Dr.C.Yuvaraj, JS Senthilkumar, Arun I and, Sulaiman	Procedia Manufacturing	2017-2018	https://doi.org/10.1016/j.promfg.2019.02.032

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Wear Using Surface Treated and Untreated Tools				
Experimental investigations to reduce unwanted evaporative losses of drinking water from a clay pot	Vijesh V Joshi, Manvendra Tiwari , and A Subba Rao	IOP Conference Series: Materials Science and Engineering	2017-2018	https://doi.org/10.1088/1757-899X/377/1/012162
Fabrication of Si3N4 thin films on phynox alloy substrates for electronic applications	V. Shankernath, K. Lakshun Naidu, M. Ghanashyam Krishna, and K. A. Padmanabhan	AIP Conference Proceedings	2017-2018	https://doi.org/10.1063/1.5028905
Structural and vibrational Analysis of hybrid composite marine propeller	A.Praven kumar S.Praveen kumar Sreenivasulu bejawada	ELIXIN	2015-2016	
Failure analysis of buttress, acme and modified and square threaded steel is2062 Tie Rods in assembly using FEA	N.Theja B.Sreenivasulu N.satish kumar	ELIXIN	2015-2016	
Optimization of Turning Pross Parameters of AI 6061/si3 N4 MMC using GA	Sreenivasulu bejawada G. Sreekanth Reddy	ELIXIN	2015-2016	
Predictive Machine ability of	Shakeela.K Manu ravuri	international journal of innovative	2015-2016	Vol4

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Lm25 aluminum alloy in CNC turning operation with the help of taguchi technique	Gunasekhar reddy.G	Research in science, Engineering technology		
Design and analysis of rear under-run protection device for safety of passenger car	V.Nagarjuna, G.Guru mahesh	international journal of advanced engineering research and science	2015-2016	Vol-2
Failure analysis of a center bearing bracket mount of a propeller shaft in BS-2 buses	M.jeevan Prasad G.Guru Mahesh D.Krishna mohan raj	International journal of Current Engineering and technology	2015-2016	Vol 5
A Numerical Study On Cavitation In Diesel Fuel Injector	Dr.E.S.Prakash Yankana Gouda Raghavendra. H Ravi.K	IJSART	2015-2016	VOL 2
BUCKLING ANALYSIS OF TRACTOR TIE ROD SUBJECTE D TO COMPRESSIVE LOAD	Ravi.k Raghavendra. k	International Journal Of Mechanical And Industeral Technology	2015-2016	VOL 2
A Review Diverse Materials Applied For Additive Manufacturing	P.Mohammed Rizwan Alli C.Reddy Hara Theja Syed Mahammad Syed Saheb C.Yuvaraj	Interational Journal for Research in applied &engineering	2015-2016	VOL 3
Experimental Studies On Austenitic Stainless Steel Using Co2 Laser	U.Naga Raju P.Rajesh T.Visnuvardhan G.Harinath Gowd	ELIXIN	2015-2016	

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Cutting Machine				
Experimental And Parametric Studies Nd:Yag Laser Drilling On Austenitic Stainless Steel	P.RAJESH U. NAGARAJU G.HARINATH GOWD T.VISHNU VADHAN	International Journal Of Manufacturing Technology	2015-2016	DOI 10.1007/S00170-015-7639-4
Vibration Properties Of 3d Printed/ Rapid Prototype Parts	S.Krishna Chaitanya Dr.K Madhavareddy Sai Nagasri Harsha,Ch	international journal of innovative Research in science, Engineering technology	2015-2016	VOL 4
Response characteristics of super tall building effects of number of sides and helical angle	Y.C.kim E.K.bandii A.yoshida Y.Tamura	Journal of wind engineering and industrial aerodynamics	2015-2016	http://dx.doi.org/10.1016/j.jweia.2015.07.00
Microstructural and mechanical characterization of Ti6Al4V refurbished parts obtained by laser metal deposition	Ramesh Raju Muthukannan Duraiselvam Vijay petley Shweta verma R.Rajendran	Material science & engineering A	2015-2016	http://dx.doi.org/10.1016/j.jweia.2015.07.0
Fabrication And Experimental Analysis Of E- Glass Epoxy Lamination \Ts	G.maruthi presad Yadav G.sudhakar H.raghavendra k.jeevan kumar H.M Channabasava swamy F.ismail G Ravi Kishore B.mallikarjuna	Interational Journal Of Mechanical And Industrial Technology	2015-2016	Vol3
Experimental investigation on the performance of	G.maruthi presad Yadav M.Lakanath H.Raghavendra Ksai seetha ram	Interational Journal for Research in applied &engineering	2015-2016	Vol3

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parabolic through solar collector with magnifying glasses	reddy R.satya Narayana reddy B Hanumantha p.chand Basha T.Md irfanulla K.pandu ranga			
An Experimental Analysis On The Effect Of Filler Material Caco3	G.Maruthi Presad Yadav G.Lokeswara Rao M.Madduleti H.Raghavendra P.Anil Kumar K.Vijeyudu K.S.Mb Yusuf	International Journal Of Engineering Research And Reviews	2015-2016	VOL 3 ISS2
An Experimental Prototype Of Micro Hydro Power Generation	G.Maruthi Presad Yadav H.Raghavendra K.vijay bhasakar reddy M.ashok K.chakridhar reddy P.S.Gchandra sekhar reddy	International Journal Of Mechanical And Industrial Technology	2015-2016	Vol.3 iss 1
Experimental investigation on the performance parameters of 4-stroke multi cylinder diesel engine by using diesel and biodiesel with turbocharger	G.Maruthi Presad Yadav H.raganna A.Siva Prasad A.siva K.Sunil kumar K.Nagaraju E.shivashankar goud	International Journal Of Engineering Research And Reviews	2015-2016	Vol.3 iss2
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epoxy cross ply laminations				
Optimization And Process Parameters Of Cnc End Milling For Aluminum Alloy 6082	Bathina Sreenivasulu	Novateur Publications International Journal Of Innovations In Engineering Research And Technology [Ijert]	2014-15	Vol 2, Iss 1 Jan
Application Of ANOVA And ANN Technique For Optimize Of CNC Machining Parameters	Bathina Sreenivasulu	Novateur Publications International Journal Of Innovations In Engineering Research And Technology [Ijert]	2014-15	VOLUME 1, ISSUE
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simulative analysis of tube hydroforming process	B. Sreenivasulu, G. Prasanthi, T. Naresh Kumar	International Journal Of Research In Engineering And Technology	2014-15	
Optimal Design For Laser Beam Butt Welding Process Parameter For Inconel Using Artificial Neural Networks	Dr. G. Harinath Gowd, M. Gunasekhar Reddy, Bathina Sreenivasulu, Rayudu Peyyala	International Journal Of Emerging Technology And Advanced Engineering	2014-15	Volume 3, Issue 4
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Design and analysis of a cement mortar lining machine shaft hub and corresponding bolts	M.sreelekha S.praveen Kumar Sreenivasulu bejawada	International journal of scientific Research	2014-15	Vol 2
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Design and analysis of a cement mortar lining machine shaft hub and corresponding bolts	M.sreelekha S.praveen Kumar Sreenivasulu bejawada	International journal of scientific Research	2014-15	Vol 3
Structural and modal Analysis of Marine Engine Helical Gear	K.Irshad M,Vamsi Krishna Sreenivasulu bejawada	International journal of scientific Research	2014-15	Vol 3
Evaluation of Mechanical Properties of polyamide-Egg Shell Powder Composite Materials	Challa Ramesh M. vamsi Krishna Sreenivasulu bejawada	International journal of science & Technoledge	2014-15	
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Modeling and coupled field analysis of polysilicon micro gripper using FEA	N.Arun kumar Gunasekhar reddy Sreenivasulu bejawada	National monthly journal of Research in science & technology	2014-15	Vol 3
Design and analysis of a seater race car chassis frame	D.lavanya G.guru mahesh v, ajay Dr.c.Yuvaraj	International journal of Research in aeronautical and mechanical engineering	2014-15	Vol 2
Modeling And Coupled And Filed Analysis Of Polysilicon Micro Gripper Using FEA	N.arun Kumar Gunasekhar Reddy Sreenivasulu bejawada	National monthly journal of Research in science & technology	2014-15	Vol 3
estimation of compression strength on hybrid composite corrugated sandwich coupons	G.guru Mahesh G.guru saiprasad Dr.Harinath Gowd R.Manu	International journal of Research of Engineering & technology	2014-15	VOL 3
design and analysis of a single race car chassis frame	G.guru Mahesh D.Lavanya V.ajay Dr. yuvaraj	International journal of Research in aeronautical and mechanical engineering	2014-15	VOL-2
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Experimental And Analytical Model For Surface Roughness Prediction During	K.Sharmila S.Kareemulla , R.Manu	Tractions on engineering and sciences	2014-15	Vol.2

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Face Turning Operation En 31 In Cnc Machine				
Effects of electroplating on the mechanical properties of FDM-PLA parts	Naveen kumar TV Mithun V Kulkarni Manu Ravuri	International manager's journal on Future Engineering & Technology	2014-15	Vol.10 – No. 3
Predictive Machinability of Lm25 aluminium alloy in CNC turning operation with the help of Taguchi Technique	Shakeela. K Manu Ravuri Guna Sekhar Reddy. G	International Journal of Innovative Research in Science, Engineering and Technology	2014-15	Vol.4
Estimation of Compression Strength On Hybrid Composite Corrugated Sandwich Coupons	G. Guru Sai Prasad Dr. G. Harinath Gowd G. Guru Mahesh R.Manu	International Journal of Engineering Research and Technology	2014-15	Vol 8
Design and Fabrication of Paddy Dehusker	P. Megashyam C.Yuvaraj R. Manu	International Journal of Application or Innovation in Engineering & Management	2014-15	Vol 3
Optimization Of Process Plans For Manufacturing Technique Using Tlbo Algorithm	A.Bhargav K.Ravi	IJSART	2014-15	VOL 2
Buckling Analysis Of Tractor Tie Rod Subjected To Compressive Load	Raghavendra. k Ravi.k	International Journal Of Mechanical And Industeral Technology	2014-15	VOL 2

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Wind-induced responses tall building with various atypical building shapes	Y.C.kim E.K.bandil A.yoshida Y.Tamura H.Tanaka	Journal of wind engineering and industrial aerodynamics	2014-15	http://dx.doi.org/10.1016/j.jweia.2014.07.001
Numerical finite element investigation on laser cladding of aerospace components	Ramesh Raju Muthukannan Duraiselvam Vijay petley ArunG.K	Life cycle reliability safety engineering	2014-15	Vol 3 issue 3
Degradation through erosion mechanistic studies on in 718 superally under hot air jet conditions	K.G Thirugnanasambantham amd S.Natarajan	Journal of material engineering and performance	2014-15	DOI:10.1007/s11665-1538-6
Sliding Wear Behavior And Its Mechanisms Of Carbonitrided Aisi 8620 Steel At 100 C Under Unlubricated Conditons	R.sankaran D.Rajamani S.Rajamani K.G Thirugnanasambantham	Intitute Of Material Minerals And Mining	2014-15	DOI:10.1179/1743294415Y.000000090
Degradation mechanism for high temperature erosion in surface modified	K.G Thirugnanasambantham S.Natarajan	Intitute Of Material Minerals And Mining	2014-15	DOI:10.1179/1743294414Y.0000000377

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modeling and experimental investigation of the sound and emissions performance for 4 stoke multi cylinder with an aqua silencer	G.maruthi Prasad k.nagaraju h.raghavendra a.B.mallikarjuna reddy G.narayana reddy j bharat kumar K.Srikanth K.Jagadesh	International journal for research in applied science engineering technology	2014-15	Vol 3 issue5
Design Analysis & Optimization Of An Automotive Disc Brake	G.Rajith Kumar S.Thriveni M.Rajasekhar Reddy Dr. G Harinath Gowd	International journal OF Advanced Engineering Researvch And Science	2014-15	VOL. 3 ISSU 3
Performance Investigation Of Diesel Engine With Combined Neem And Pongamia Oil Blends	Manu Ravuri M. Rajasekhar Reddy D.Harsha Vadhan K.Mohammed Muzahid	International journal OF Advancement Engineering Research And technology	2014-15	VOL 1 ISSU1