



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH,  
Hyderabad). Accredited by NAAC with 'A' Grade (II cycle),  
Maisammaguda (H), Medchal-Malkajiri District, Secunderabad,  
Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

**Department of Mechanical Engineering**  
**Details List of Publication for A.Y. 2018-19**

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Is it listed in UGC Care list/Scopus/Web of Science/other, mention	Academic Year
1	Experimental Testing and Performance Analysis of Drill Bit Tool Using High HRC Materials	R Jaya Raghavendra, K Srinivasa Rao	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
2	Fabrication and Structural Analysis of a Plain Milling Cutter by Using Composite Material	G. Uday Kumar, M. V. Varalakshmi	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
3	Design and Performance Analysis of Multiple Spokes of Car Alloy Wheels	C Manoj Kumar, S C Siresha	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
4	Design Optimization and Analysis of Leaf Spring for Heavy Weight Vehicles Using Composite Materials	Mohammed Abdul Mubashir, D Suresh Reddy	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19



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5	Design, Fabrication and Strength Analysis of Connecting Rod to Improve the Life and Damage Performance	Gangadhara Sudhakar, K. Srinivasa Rao	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
6	Contact Stress Analysis In Design And Modification of Helical Gears	P Purushotham Yadav, Dr. P. Paul Pandian	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
7	Fabrication and Performance Analysis of Leaf Spring For Heavy Duty Trucks Using Advance Composite Materials	A.Lakhan Singh, Dr.S.Gunasekharan	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
8	Design and Analysis of Scooty Front Panel By Using Natural Fiber Reinforced Composites	B Venkatesh,U Anil Kumar	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
9	Design And Analysis of Micro Channel By Using FEA	Sukhdev Singh, G Ravi Kumar	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
10	Framework And Thermal Analysis of Radiator In Diesel Engine	S. Johnson, Chandra Sekhara	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
11	Modelling And Cfd Analysis Of Combustion Chamber With Diverse Fluids In Ic Engine	Eggadi Divya, Mulabagal Sandeep	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
12	Optimizing of AC Condenser Using Refrigerants(Hcfc,R404) To Enhancing Heat Transfer Rate	Veeraveni Naresh, K.Bharadwaja	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19



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13	Thermal Load Effect on Valve Using Conventional and Mixed Fuels	M.A.Sharaz, P.Chandrasekhar	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
14	Simulation, Heat Transfer Analysis and CFD Analysis of Parabolic Dish Collector Using R134a And R-22	Soujanya Goud Goda, Praveen Babu Padavala	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
15	Design And Analysis Heat Recovery System Based On The Heat Pump Principle	P.BabaKrishna, V.Srinivas	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
16	Performance Analysis of Packed Bed Solar Flat Plate Collector By Using Different Fluids	Keerthi Priya, N. Srinivasa Rajneesh	Mechanical Engineering	International Journal of Research in Advent Technology (IJRAT)	2019	2321-9637	Others	2018-19
17	Effect of tool Overhang length on turning operation using finite element model	B.Tulasiramarao	Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	Scopus	2018-19
18	Modelling, Analysis and Fabrication of Bush Bearing on Plummer Block by Using Carbon Epoxy Material	P. Ramreddy	Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	Scopus	2018-19
19	Experimental Investigations on CI Engine using different Combustion Chambers and Biodiesel as Fuel	Shaik Hussain	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	UGC	2018-19
20	Analysis of Flow Oscillations in an Open Cavity by a Passive Control Method	Yogesh Madaria	Mechanical Engineering	International Journal of Innovative Technology and	2019	2278-3075	UGC	2018-19



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				Exploring Engineering				
21	Preparation and Tribological Properties of New Bisimidazolium Ionic Liquids	A Sarath Kumar	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	Scopus	2018-19
22	Identification of Serious Success Factors to Implement Lean Manufacturing in Indian Middle Scale Industries	S. Gunasekharan	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	Scopus	2018-19
23	Structural Design and Modeling of Keystone Butterfly Valve	S. Gunasekharan	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	UGC	2018-19
24	Solicitation Of Consistencytrade Methodology In Next Compeers Satellite Clout System Design, Manufacturing, And Testing	D. S. CHANDRAMOULI,	Mechanical Engineering	International Journal for Recent Developments in Science & Technology	2019	2581-4575	UGC	2018-19
25	Effective and strategy slants to computer unified manufacturing in electronics manufacturing and association	MARAM SRINIVASULU REDDY,	Mechanical Engineering	International Journal for Recent Developments in Science & Technology	2019	2581-4575	UGC	2018-19
26	The supervisory proposal study on sewing machine design expansion based on the QFD	Yogesh Madaria	Mechanical Engineering	International Journal for Innovative Engineering and Management Research	2019	2456-5083	UGC	2018-19
27	Multi-objective optimization of a pm aided synchronous averseness machine for light EV	Angidi Rajender	Mechanical Engineering	International Journal for Innovative Engineering and Management Research	2019	2456-5083	UGC	2018-19



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28	Programmed CAD/CAM-based nanolithography expending a convention atomic vigor microscope	M.V. Varalakshmi	Mechanical Engineering	International Journal for Advanced Research In Science & Technology	2019	2457-0362	UGC	2018-19
29	Facets of an tentative industrial request of a human-centered cim system	S.Gunasekharan	Mechanical Engineering	International Journal for Advanced Research In Science & Technology	2019	2457-0362	UGC	2018-19
30	Experimental Evaluation and Fabrication of Composite Made Traction Gear	A. Prashanth	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	UGC	2018-19
31	Effect of Process Parameters on Pcbn Tool Wear Rate in Friction Stir Process of Aluminium 7075 SiC	A. Sarath Kumar	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	UGC	2018-19
32	Experimental Investigations on Modified Combustion Chamber Geometry in Diesel Engine	ShaikHussain	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	UGC	2018-19
33	Effectiveness of a Dimpled Non-Even Surface For Oscillations Control For Flow Over Fissure: Numerical Analysis	Yogesh Madariya	Mechanical Engineering	International Journal of Recent Technology and Engineering	2019	2277-3878	UGC	2018-19



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34	Microstructure Evaluation on Friction Stir Welding of Cryorolled 2219 Aluminum Alloy	K Kamal babu	Mechanical Engineering	Journal of Testing and Evaluation	2019	0090-3973	SCI	2018-19
35	Micro-Hardness and Mechanical Properties of 5052 Aluminium Alloy Weldments using Pulsed and Non-Pulsed Current Gas Tungsten Arc Welding	A. Raveendra	Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2019	2249-6890	UGC	2018-19
36	A Critical Review on Performance of Various Nanofluids in Solar Flat Plate Collector, Heat Exchanger and Radiator	Dr T ramachandran	Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2019	2249-6890	Scopus	2018-19
37	Strategic Planning to Promote Engineering Projects in Community Service (EPICS) in Engineering Institutions	S.Sudhakar reddy	Mechanical Engineering	IEEE Xplore	2019	978-1-5386-4765-3	Scopus	2018-19
38	Impact of spacer on inter sub-channel mixing of coolant in nuclear fuel bundle: a survey and future patterns of research and advances	shashikanth	Mechanical Engineering	Kerntechnik	2019	0932-3902	SCI	2018-19
39	A Virtual Study On Waste-To-Energy (Wte) Machineris For Community Solid Waste Supervision In Chittagong, Bangladesh	Srinivasa Rajneesh	Mechanical Engineering	International Journal for Innovative Engineering and Management Research	2018	2456 - 5083	UGC	2018-19



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40	Collective Heat And Power Noticecentered On Assimilated Demand Retort And Heat Broadcast For Wind Power Lodgings	Srinivasa Rajneesh	Mechanical Engineering	International Journal for Innovative Engineering and Management Research	2018	2456 - 5083	UGC	2018-19
41	Optimization of Thrust force, Surface roughness and Delamina-tion in drilling of EN-24 steel using Taguchi based VIKOR-Entropy Method	Heruthunnisa.Shaik	Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2018	2278-3075	UGC	2018-19
42	Microstructural and Hardness Behavior of AL/B4C/h-BN Hybrid Composites Prepared By Powder Metallurgy Method	Katla Rajendar	Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2018	2278-3075	Scopus	2018-19
43	Experimental analysis of Thermal Performance of Solar Collector using CuO-H2O Nanofluid	Dharmalingam Ramasamy	Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2018	2278-3075	Scopus	2018-19
44	RSM based Empirical Model for the Performance and Emission Characteristics of ROME Biodiesel	T Ramachandran	Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2018	2278-3075	Scopus	2018-19
45	Impact Characterization of Epoxy LY556/Ricinus Communis L Plant Natural Fiber Composite Materials	Egala rajesh	Mechanical Engineering	Materials Today Proceedings	2018	2214-7853	Scopus	2018-19
46	Real Time Implementation and Validation of Lean Implementation Model for Sustainability (LIMS) in Medium Scale Industry	s.guashekharan	Mechanical Engineering	International Journal of Engineering and Technology	2018	2227-524X	Scopus	2018-19



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47	Vibration Characteristics of Al 6061-SiC Metal Matrix Composite based Rubber Mount for I.C. Engine Chassis	T Ramachandran	Mechanical Engineering	International Journal of Vehicle Structures and Systems	2018	0975-3060	Scopus	2018-19
48	Experimental Investigation of the Combustion Characteristic of Mahua Oil Biodiesel-Diesel Blend using a DI Diesel Engine Modified with EGR and Nozzle Hole Orifice Diameter	M.Vijay Kumar	Mechanical Engineering	Biofuel Research Journal	2018	2292-8782	WOS	2018-19
49	Inquiries on the Developed Machine Design of the Armed Works of Control Panel based on Man Machine Engineering Constraint	T. Naresh Kumar	Mechanical Engineering	International Journal of Innovative Engineering and Management Research	2018	2456-5083	Scopus	2018-19
50	Design and Fabrication of Three Way Trolley	Mr. Balaji Krushna.P, A Vijaya Krishna	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
51	Electrical Power Generation Using Two Wheeler Silencers	Mr.Dhiddi Rammurthy, A Vijaya Krishna	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
52	Electromagnetic Engine	Mr.Dhiddi Rammurthy, Ms.G.Sai Spandana	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19



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53	Fabrication Of Solar Irrigation System	Mr.Arja Ramakrishna, Ms.G.Sai Spandana	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
54	Fabrication Of Dual-Axis Solar Tracking Controller Project	Mr.Raushan Kumar, Ms.Anne Swathi	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
55	Fabrication Of Geneva Wheel Based Auto Roll Punching Machine	Thota Sushma, Ms.Anne Swathi	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
56	Fabrication of Hydraulic Jack	Thota Sushma, Ms.K. Vijaya Siva Sruthi	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
57	Fabrication Of Pneumatic Multipurpose Machine	Mrs. A.Aruna Jyothi, Mrs. P. Santhi Priya	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
58	FABRICATION OF PNEUMATIC Vehicle	Ms. Yella Gruha Laxmi, Mrs. P. Santhi Priya	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19



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59	fabrication of pneumatic weight	Ms. S.C.Sireesha, Mrs. P. Santhi Priya	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2019	1076-5131	UGC	2018-19
60	Application of laser cutting by creating a Box Transport Mechanism	S Ram Mohan Reddy, E. Venkat Reddy, Sri Deepthi Immaneni	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
61	AUTOMATIC BAR FEEDING MECHANISM FOR CUTTING MACHINE	S. Gunasekharan, G.Bhiksha, Yogesh Madaria	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
62	AUTOMATIC DRAIN CLEANER	R.Dharmalingam, K.Kamal Babu, R. Seetharam	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
63	AUTOMATIC MULTILEVEL CAR PARKING & CONTROLLING SYSTEM	R.Dharmalingam, K.Kamal Babu, R. Seetharam	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
64	AUTOMATIC PNEUMATIC VICE AND JACK	Dr. Shashi kanth verma, Ms. M.V.Varalakshmi, Mr. Bharadwaja K	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
65	DEGREE TURNING STEERING MECHANISM	Paul Pandian, K.Kamal Babu, V. Narasimha Reddy	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
66	DESIGN & DEVELOPMENT OF HYBRID POWER OPERATED PADDY THRESHING	Mr. K.Srinivasa Rao, Mr. C Chandra Sekhara, Mr. Vasili.Srinivas	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
67	DESIGN AND DEVELOPMENT OF PNEUMATIC METAL SHEET CUTTING	C Chandra Sekhara, Mr. Vasili.Srinivas	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19



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68	DESIGN AND FABRICATION OF AUTOMATIC BARRE LIFTING	Mr. G Ramesh, Ms. S.C.Sireesha	Mechanical Engineering	JASC: Journal of Applied Science and Computations	2018	1076-5131	UGC	2018-19
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