

# MISRIMAL NAVAJEE MUNOTH JAIN ENGINEERING COLLEGE

## Department of Mechanical

### Publication

#### Papers published in Journals

Academic year	2017 -2018	2016 -2017	2015-2016
Number of journals	5	3	3

#### National Conference

Academic year	2017 -2018	2016 -2017	2015-2016
Number of paper presented in National conference	2	28	9

#### International Conference

Academic year	2017 -2018	2016 -2017	2015-2016
Number of paper presented in International conference	2	6	4

#### Papers published in Journals

##### Academic year 2017-2018

S. No.	Author	Title	Journal Name / Proceedings	Page No.	Volume	Year
1	<b>R. Ramaswamy,</b> B. Selvam, P. Marimuthu, N. Elango	Investigation of Densification Behaviour on YTTRIUM Oxide Reinforced Ti-6Al-4V Nano composite Through Powder Metallurgy	International journal of Mechanical and Production Engineering Research and Development (IJMPERD)	433-442	8	2018
2	<b>S. Kathiresan,</b> B. Mohan	Experimental Analysis of Magneto Rheological Abrasive flow Finishing process on AISI Stainless steel 316L	Material and Manufacturing Processes	422-432	33	2018
3	<b>S. Kathiresan,</b> B. Mohan	In-vitro Bacterial Adhesion study on stainless steel 316L Subjected to Magneto Rheological Abrasive flow Finishing.	Biomedical Research	3169-3175	28	2017

4	<b>R.Srimurugan,</b> B.Vijayarmnath, N.Ramann	Study on Mechanical and Metallurgical properties of Glass fibre Reinforced PMC Gear Materials	Materials Today: Proceedings	On printing	On printing	2017
5	<b>R.srimurugan,</b> B.Vijayarmnath, Anantha padmanthan.D Kaviyan.V	Glass Fibre Reinforced Polycarbonate for Automobile Chassis Application	Journal of Chemical and Pharmaceutical Science	On printing	On printing	2017

**Academic year 2016-2017**

S. No.	Author	Title	Journal Name / Proceedings	Page No.	Volume	Year
1	<b>R. Ramaswamy,</b> P. Marimuthu, B. Selvam	An overview on Mechanical properties of particulate reinforced Ti6AlV metal matrix composites.	APRN journal of Engineering and Applied Sciences	6066-6069	11	2016
2	<b>P.Chandramohan,</b> S.N. Murugesan, S. Arivazhagan	Heat Transfer Analysis of Flat plate subjected to multi-jet air Impingement using Principal component Analysis and Computational Technique	Journal of Applied Fluid Mechanics	293-306	10	2017
3	<b>Ramesh Udhayakumar A,</b> Siddhartha D, Sethuraman A, Ramanan N, Karthi V	Modeling and Analysis of lower wishbone for Independent suspension system for commercial vehicles	Journal of Chemical and pharmaceutical Sciences	166-168	2	2017

**Academic year 2015-2016**

S. No.	Author	Title	Journal Name / Proceedings	Page No.	Volume	Year
1	<b>J.Nithyanandam,</b> Sushil Das, K. Palanikumar	Fuzzy Modeling of Surface Roughness Parameters in Machining Ti-6Al-4V Alloy	Applied Mechanics and Materials	681-686	766-767	2015
2	<b>Ramesh Udhaya Kumar A,</b> P Chandramohan, P.V. M. Kathiresh	Multi objective Optimization of electrical Discharge Machining (EDM) process using genetic algorithm	International Journal of applied engineering research (ISSN)	30952-30961	10	2015
3	<b>P Chandramohan,</b> Ramesh Udhaya kumar A, A. Venkata Krishna	Modeling and Analysis of Al6061/SiC <sub>p</sub> specimen using sink EDM process	International Journal of applied engineering research (ISSN)	30934-30940	10	2015

**Paper presented in National Conferences**  
Academic year 2017-2018

S. No.	Author	Title	Conference Name	Year
1	P. Dhinakaran, A. Sivarangar	Performance Analysis of Petrol Engine Valve	National Conference on Mechanical Engineering	2018
2	K. S. Sreenivasan, Dr. S. Satish Kumar	Parametric Optimization of Friction Welding for Aluminium metal Matrix Composite.	National conference on Emerging Research and Advances in mechanical Sciences (ERAMS-2018)	2018

Academic year 2016-2017

S. No	Author	Title	Conference Name	Year
1	Marimuthu.N, Manojkumar.S, Meiyarasan.A.S, Mr.Saravanan.k	Friction welding and tests on Aluminum	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
2	Naveen kumar, Pradeep Kumar M, Praveen Kumar S, Udhaya Kumar U, Sivarangar A	Design and fabrication of pneumatic sheet metal bending machine	NCTACME 17 - National Conference on Technological Advancements in Civil and Mechanical Engineering	2017
3	S.Natarajan, A.Manimurasan, Dillibabu	Effective utilisation of vehicle testing methodology	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
4	Manimaran.S, karthik.R, Venkatesh.S, Kamalakkannan.D	Investigation of fatigue life in aluminium composites	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
5	Jayavijayan.P, Mathan.A, Muralidharan.E, Ramesh udhayakumar.A	Mechanical properties of FML containing glass fiber and Aluminum	NCTACME 17 - National Conference on Technological Advancements in Civil and Mechanical Engineering	2017
6	G.Arun, S.Arvind, S.Ashok Kumar, R.Srimurugan	Testing the mechanical behaviour of composite materials	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
7	Keshav P.R, Mohammed suhail.I, Mr.S.Kathiresan	Rocker-bogie suspension mechanism: a suspension mechanism using kinematic pairs for its exploration on mars	National Conference on Recent Advances in Research and Engineering-RARE'17	2017
8	J.Nithyanandam, M.Saravanavel	A Review on Machinng of Titanium Alloys (Ti-6Al-4v)	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
9	Deepak Kumar.S, Nitinkumar. V,Venkadeshperumal.V, Dillibabu.R	Die and fixing sensor to avoid tool breaking in broaching operation	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
10	Vijay R, Vignesh R,	Design and fabrication of hoist	National Conference on	2017

	Susikanth T, Vinoth Kumar R, <b>Sri Murugan</b>	lifting object by worm and worm wheel mechanism	Advances in Mechanical Engineering (NCAME-17)	
11	Shashanksharma, Vinayjain, Surajtekriwal, <b>S.Ramaswamy</b>	Propulsion (light weight launcher)	NCTACME 17 - National Conference on Technological Advancements in Civil and Mechanical Engineering	2017
12	Balachandar.v, Gowtham.r, kalaimani.v, <b>Ramesh udhayakumar.A</b>	Analysis of tensile and impact properties of fiber metal laminates made up of aramid fiber and aluminium alloy	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
13	Saipraveenraja.R, <b>Kathiresan.S</b>	CFD analysis of ferrari SF15-T formula 1 car towards Enhancing the aerodynamic performances	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
14	Dhinakaran.P, Vengadesan.S, <b>Saravanan.K.</b>	Rigid body and flexible body analysis of connecting rod in Petrol engines.	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
15	M.Ronak Kumar jain, <b>M .Nagaraj</b>	Design and fabrication of vertical axis wind turbine	National Conference on Recent Advances in Research and Engineering-RARE'17	2017
16	<b>Sundaram Rajakumar</b>	Thermal behavior of D-gun sprayed alumina based ceramic Composite coatings	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
17	Aravind.SA,Ezhilmurugan.H ,Karthik.J, <b>Srimurugan.R</b>	Investigation and analysis the properties of the composite materials	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
18	M.Somasundaram, M. Niresh Kumar, G. Prabhu, <b>S. Kathiresan</b>	Parametric study on magneto rheological abrasive flow finishing process	National Conference on Recent Advances in Research and Engineering-RARE'17	2017
19	Santhosh R prasath S, Sarath Kumar R V Sanjay C P, <b>M.Nagaraj</b>	Design and fabrication of horizontal wind turbine	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
20	J.Nithyanandam, <b>M.Saravanel</b>	A Review on Machinng of Titanium Alloys (Ti-6Al-4v)	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
21	Mohamed Rafi.S, Aneesh.A, Dhileepkumar.T, Ethyraj, <b>Abhishekkumar</b>	Design and fabrication of sheet metal cutting using Geneva mechanism.	National Conference on Recent Advances in Research and Engineering-RARE'17	2017
22	<b>Ramesh udhayakumar. A,</b> K.S. Sreenivasan, N. Ramanan	Analysis of mechanical and metallurgical properties of Al-SiO <sub>2</sub> and fly ash composite.	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
23	Dr. B.Vijayaramnath, <b>R.Srimurugan,</b> Ramanan,	PMM material for electrical applications.	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
24	R.Srinath, R.Srinivas, V.Srikanth, <b>S.Kathiresan</b>	Role of Surface Roughness of the Implants - A Review	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
25	Karthik S, Gopinath D,	Experimental Analysis of Exo-Bionic Boot.	National Conference on	2017

	Srinath. R, <b>Abhishek Kumar</b>		Advances in Mechanical Engineering (NCAME-17)	
26	T.Arulkumaran, M.Anand, M.Akshaykumar, <b>P.Chandramohan</b>	Experimental analysis of influence of round and square nozzles on heat transfer characteristics.	National Conference on Recent Advances in Research and Engineering-RARE'17	2017
27	<b>Abhishek Kumar</b> , B Anand	Experimental investigation on disc brake using finite element method	National Conference on Advances in Mechanical Engineering (NCAME-17)	2017
28	<b>A.Sivarangar</b> , N.Ramanan	Numerical analysis of a scooping engine valve	NCTACME 17 - National Conference on Technological Advancements in Civil and Mechanical Engineering	2017

Academic year 2015-2016

S. No.	Author	Title	Conference Name	Year
1	R. Poorna Chandra Seker, <b>J.Nithyanandam</b>	Design analysis and mechanical properties of vetiver and glass fiber with epoxy resin	National Conference on recent advances in science, engineering and management, NCRASEM 2015	2015
2	Disney Nishanth, <b>Abhishek Kumar</b>	Simulation and Optimization of AlSiC Brake Disc	National Conference on recent advances in science, engineering and management, NCRASEM 2015	2015
3	K.Gunasekaran, <b>P.Chandramohan</b> , A. Ramesh Udhayakumar.	Design and analysis of scooping engine valve.	NCAMEA - 2016 - National Conference on Advances in Mechanical Engineering Application.	2016
4	<b>R. Srimurugan</b> , S. Manimaran, Dr. B. VijayaRamnath, Dr. N. Manoharan	Experimental investigation and analysis of mechanical behavior of glass fiber-nylon 6 composite	National Conference on recent advances in science, engineering and management, NCRASEM 2015	2015
5	Karthick Ram Kumar S, <b>M.Saravanavel</b>	Reduction of Percentage defectives in heavy vehicle brake linings of non-Asbestos grade	NCAMEA - 2016 - National Conference on Advances in Mechanical Engineering Application	2016
6	R. Prashanth, <b>M.Saravanavel</b>	Fluid flow analysis of intake system and Air filter of an automobile using CFD	NCAMEA - 2016 - National Conference on Advances in Mechanical Engineering Application	2016
7	R. Kaviyan, <b>R. Srimurugan</b> , Dr. B. VijayaRamnath, Dr. N. Manoharan	Investigation and analysis of effect of reinforcement (polycarbonate) on mechanical behavior of hybrid composite	National Conference on recent advances in science, engineering and management, NCRASEM 2015	2015
8	A. Venkatakrishna, <b>P.Chandramohan</b> and A.RameshUdayaKumar	Modelling and analysis of AL6061/SiCp specimen using sink EDM process	National Conference on recent advances in science, engineering and management, NCRASEM 2015	2015
9	<b>R. Srimurugan</b> , P. J. Arul Oli Dr. B. VijayaRamnath, Dr. N. Manoharan	Experimental Evaluation and FEA analysis of Graphite-PMMA hybrid composite	National Conference on recent advances in science, engineering and management, NCRASEM 2015	2015

**Paper presented in International Conferences**  
Academic year 2017-2018

S. No.	Author	Title	Conference Name	Year
1	<b>S. Kathiresan, B. Mohan</b>	Application of combined Grey Relational and Principle Component Analysis for Nano Finishing Process on Nickel free Austenitic Stainless Steel	ICMTS-2017, IITM	2017
2	<b>Kathiresan Sundararaj, Mohan Bangaru</b>	In Vitro BioCompatibility Study on Stainless Steel 316L after Nano Finishing	International Mechanical Congress and Exposition (IMECE2017)	2017

**Academic year 2016-2017**

S. No.	Author	Title	Conference Name	Year
1	<b>Abhishekkumar</b>	Implementation of Lean manufacturing using Stream mapping and method study in small and medium sized enterprise (SMEs)	International Conference on Knowledge Discovery and Computational Intelligence (ICKDCI 2017)	2017
2	<b>R. Srimurugan, Dr. B vijayaramnath, N. Ramanan</b>	Study on Mechanical and Metallurgical properties of Glass fibre Reinforced PMC Gear Materials	Advanced in materials, manufacturing and Applied Sciences(ICAMMAS-2017)	2017
3	<b>S.Kathiesan, B. Mohan</b>	Parametric optimization of a Nano-finishing process using Particle swarm optimization	Advances in Materials and processing Technologies,2016 (AMPT 2016)	2016
4	<b>R. Srimurugan, D. Ananthapadmanaban, V. Kaviyan</b>	Glass fiber reinforced polycarbonate for automobile chassis application	Journal of Chemical and Pharmaceutical sciences	2016
5	Raghunath.M , Raja kumaran.G.L, Santosh.S, <b>Dr.S.Rajakumar</b>	Automation in manually operated shearing machine	IREST 17- International Conference on Innovative Researches in Engineering, Science & Technology 2017	2017
6	Shivaprakashkumar.S.G, Seenu.S, Santhosh.A, <b>R.Dillibabu.</b>	Design of multistage hybrid desalinators	IREST 17- International Conference on Innovative Researches in Engineering, Science & Technology 2017	2017

**Academic year 2015-2016**

S. No.	Author	Title	Conference Name	Year
1	<b>J.Nithyanandam, Sushil Das, K. Palanikumar</b>	Fuzzy Modeling of Surface Roughness Parameters in Machining Ti-6Al-4V Alloy	First International Conference on Advances in Materials and Manufacturing Engineering. (ICAMME-2014)	2015
2	<b>J.Nithyanandam, Sushil Das, K. Palanikumar</b>	Fuzzy rule Based Modeling for Surface Roughness in Machining of Titanium Alloy using Nano Coated Carbide Inserts	Conference in International Mechanical Engineering Congress and Exposition.( IMECE2015)	2015

3	<b>Dr. S.Rajakumar,</b> Neethiarasan. E	Analysis of Mechanical Strength in natural fibers hybrid composite	ICRAMET 16 - 2nd International Conference on Recent Advancement in Mechanical Engineering & Technology	2016
4	<b>A. Ramesh UdayaKumar,</b> P V M kathiresh	Optimization of process parameters of EDM machining using hybrid methodology	ICIETET '16 - International Conference on Innovative & Emerging Trends in Engineering and Technology	2016