

# 4<sup>th</sup> INTERNATIONAL CONFERENCE ON MATERIALS AND MANUFACTURING ENGINEERING

21 March 2019

## Schedule for Paper Presentation

**Venue:** Seminar Hall, Mechanical block

**Time:** 2.00 – 4.30 pm

**Session Manager:** Mrs. P. Vithya

**Session Chair:** Dr. S. Arumugam

S.No	Paper ID	Title	Author	Institute
1	ICMME002	Execution Analysis of Vapor Compression Refrigeration System Using R12, R134a, R290 And R600a As Working Medium	M.Sivakumar	Annai Mathammal Sheela Engineering College, Namakkal
2	ICMME004	Design, Optimization and Analysis of Baja suspension system using Full Factorial Approach	A. Andrews	National Engineering College, Kovilpatti
3	ICMME008	Influence of Process Variables on the Ultimate Tensile Strength of Friction Stir welded AA6061 Matrix Composite	Arun Kumar Shettigar	Manipal Academy of Higher Education, Manipal
4	ICMME009	Mechanical properties and Microstructural characteristics of Friction Stir welded Aluminium Matrix Composite	Arun Kumar Shettigar	NIT Surathkal
5	ICMME015	Design and Development of Seed Metering Device Implemented in Power Tiller	Devanathan.C	Rajalakshmi Engineering College
6	ICMME018	Emission Reduction in Four-Stroke S.I Engine Using EGR and Catalytic Converter	Anu Nair P	MBC CET, Idukki, Kottayam, Kerala-685531
7	ICMME019	Experimental analysis of Fuel Spray impingement Against the tip on the Performance of CI Engine	Anu Nair P	MBC CET, Idukki, Kottayam, Kerala-685531
8	ICMME040	Optimization of roller burnishing parameters of Al(SiC)p metal matrix composite with TiAlN coated roller using response surface methodology	E. Shankar	Rajalakshmi Engineering College
9	ICMME047	Experimental Analysis on the Effect of Cu-ZSM5 on the Control of Si Engine Exhaust Emissions	Anu nair	Mar Baselius Christian College of Engineering and Technology
10	ICMME048	Optimization of SI Engine cycle with Variable Composition and Specific heat	Anu nair	Mar Baselius Christian College of Engineering and Technology
11	ICMME049	Experimental Studies on the Effect of Mixed Metal oxide DeNox Catalyst on the Control of CI Engine Exhaust Emission	Anu nair	Mar Baselius Christian College of Engineering and Technology
12	ICMME051	Injection and exhaust gas recirculation strategies for reducing emissions of cyclohexanol-diesel blends in CI engine	Boopathi S	Jeppiaarinstitute of Technology

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**Venue:** LH39, Mechanical block

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**Session Manager:** Dr. A. Arun Premnath

**Session Chair:** Prof. R. Lakshmi Narayanan

S.No	Paper ID	Title	Author	Institute
1	ICMME011	Influence of Honeycomb Core on Static and Vibration Responses of Sandwich Structures	Sudhansu S. Patro	KIT, Bhubaneswar
2	ICMME017	Investigation of Mechanical Properties of Sisal Glass Fiber Reinforced Epoxy Composite Incorporated with Molybdic Acid	Manoj Kumar G	Anna University, Chennai
3	ICMME020	Observation Of Improvement In Properties of Cutting Tool Using Cryogenic Treatment	S. Dhandapani	Rajalakshmi Engineering College
4	ICMME022	Wear Analysis of Epoxy resin Composites reinforced with Seashell	A. Sivanand	Rajalakshmi Engineering College
5	ICMME029	Experimental investigation on Machining properties Carbon Fibre Reinforced Epoxy composites with the addition of Nano SiC	R. Ravi Kumar	SASTRA University, Thanjavur
6	ICMME034	Analysis on thermal properties of polyethylene vinyl acetate (PEVA) matrix with Polytetrafluoroethylene (PTFE) particle reinforced composites.	R. Mahesh Kumar	Kalasalingam Academy of Research and Education
7	ICMME039	Investigation of tensile and morphological properties of Kevlar/Glass/Jute fiber reinforced epoxy hybrid composite	Manoj Kumar G	Mepco Schlenk Engineering College, Sivakasi
8	ICMME052	Mechanical property study on Glass/Sisal/Banana hybrid natural fibres	G. Vijayasekaran	Saveetha School of Engineering.
9	ICMME059	Effect of Pineapple/Coconut Sheath Fiber Reinforced with Polyester resin matrix on mechanical and microstructure properties of hybrid polyester composite	Natrayan L	VIT University-Chennai,
10	ICMME060	Chemical treatment, influence of fiber content and Optimization of Hybrid Natural fibers reinforced Composites	G Venkatesha Prasanna	CVR College of Engineering

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**Venue:** Seminar Hall, Mechanical block

**Time:** 10.00 – 12.30 pm

**Session Manager:** Mr. K. Palani

**Session Chair:** Prof. Dr. K. Palanikumar

S.No	Paper ID	Title	Author	Institute
1	ICMME001	Impact Model for Grinding Process in the Framework of Sustainable Manufacturing	Jigneshkumar M Parmar	RK University, Rajkot
2	ICMME016	Pareto optimization and metallurgical characterizations of dissimilar friction stir welded AA6061-AA7075 alloys	Dinesh Kumar R	NIT Trichy
3	ICMME021	An Effective Jaya Algorithm for the Flexible Job Shop Scheduling Problem	Rylan Caldeira	Anna University, Chennai
4	ICMME025	A brief review: Study of cutting forces, cutting temperature, chip morphology, tool wear, surface roughness, and using micro textured inserts	Swastik Pradhan	Lovely Professional University, Panjab
5	ICMME028	Mechanical and Wear behaviour of AA2024 reinforced Al <sub>2</sub> O <sub>3</sub> / SiC HMMC using squeeze casting method	Natrayan	VIT University-Chennai
6	ICMME033	Process Parameter Optimization Using TOPSIS for Electric Discharge Machining of INCOLOY 800HT	S. Paul Joshua	SASTRA University, Thanjavur
7	ICMME035	A Studies on wire electrical Discharge machining process parameters and performances	P.S. Gowthaman	PSNA College of Engineering and Technology
8	ICMME050	Recirculation Zone of Conical bluff body (CBB) Combustor for an aircraft Afterburner Applications	Boopathi S	Jeppiaarinstitute of Technology
9	ICMME053	A Brief Review: Study on Mechanical Properties of Polycarbonate with different Nano filler materials	Ravi Kumar	Lovely Professional University, Phagwara, Punjab
10	ICMME069	Study on the influence of nano sized silica reinforcement in micro rubber blended epoxy carbon composite laminate subjected under dynamic mechanical analysis	R. Ramesh	Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur Tk,
11	ICMME078	Multi-response optimization and mechanical behaviour of Al-Si /Al-Cu alloys dissimilar friction stir welding	Pradeep S	NIT Trichy

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**Session Manager:** Dr. A. Tamilarasan

**Session Chair:** Dr. M.Vetrivel

S.No	Paper ID	Title	Author	Institute
1	ICMME005	Aerodynamic Analysis of a 3D Small Wind Turbine Blade Using NACA 63415 Aerofoil with MRF Approach	V. Ajay	VIT University, Vellore
2	ICMME013	Influence of Point Mass over FGM Plate for Vibration Signature in Different Boundary Conditions	Ranjan K. Behera	KIT, Bhubaneswar
3	ICMME056	ANN Modeling Approach For improvement of surface quality during Machining of Aluminum Metal Matrix Composite in WEDM	L. Ashok Kumar Reddy	Saveetha School of Engineering,
4	ICMME057	Surface Roughness Modelling in Wire EDM for Machining Aluminium Al6061 Composite by ANFIS	Buduru Dheeraj	Saveetha School of Engineering,
5	ICMME058	Modeling and Analysis of CNC Milling Process Parameters on Aluminium hybrid composite	Mohammed Riaz	Saveetha School of Engineering,
6	ICMME061	Experimental investigation of Process Parameters for Surface Roughness in WEDM of Aluminum hybrid composite using RSM	M. Sreekanth Varma	Saveetha School of Engineering,
7	ICMME082	Investigation of process parameters on Sliding wear behavior of Aluminium 7075 hybrid nano composite analysed using response surface methodology-Part I	T.S.A.SuryaKumari	Saveetha Engineering College
8	ICMME080	Optimization of process parameters on Sliding wear behavior of Aluminium 7075 hybrid nano composite ana-lyzed using desirability approach-Part II	T.S.A.SuryaKumari	Saveetha School of Engineering
9	ICMME081	Wear surface characterization of hybrid Al alloy-based nanocomposites	I. Manivannan	Motilal Nehru Government polytechnic college
10	CMME079	Tribological Behavior Of Al 7075 Alloy Reinforced with Nano Alumina and Silicon Carbide Particulates	T.S.A. Suryakumari	Saveetha School of Engineering, Chennai, India
11	ICMME027	Application of Standard deviation and MOORA method for parametric optimization of process parameters in Electric Discharge Machine	Anitha J	VIT , Vellore

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**Session Manager:** Dr. D. Vijayan

**Session Chair:** Dr. G. Sriram

S.No	Paper ID	Title	Author	Institute
1	ICMME003	Investigations on Flexural performances of Honeycomb Sandwich Composites filled with natural fillers	T. Amuthan	Velammal College of Engineering and Technology, Madurai
2	ICMME012	Design and Fabrication of Ice Pattern for Casting Process: A Preliminary Study	Sarathkumar Sebastin.J	Kalasalingam Academy of Research and Education
3	ICMME014	Application of TOPSIS or Multi Response Optimization of Operating Parameters in Micro-EDM	R. Bhuvanewaran	Paavai Engineering College, Pachal-637218
4	ICMME026	Two echelon Inventory Model for the Supply Chain under Price Dependent & Time Demand with Supply Rationing in the Chain	Dr. Raghavendra	ASIST, Vijayawada
5	ICMME030	Experimental Analysis on Internal Combustion Engine using MWCNT/Water Nanofluid as a Coolant	Murugandandam M	Saveetha Engineering College, Anna University Chennai.
6	ICMME046	Comparative Analysis on Mechanical Properties of Luffa and Coconut Coir Fiber Reinforced Polyester Composites	T.V.Rajamurugan	Government College of Engineering, Srirangam,
7	ICMME054	Determination of Impact and Hardness Properties of Neem-Kenaf Fiber Reinforced Polymer Composites	G Pon Senthil Kumar	Sri Sairam Engineering College
8	ICMME055	Study on wear and corrosion behaviour of Aluminium Hybrid MMC	Abhishek Subramanian.S	Sri Sairam Engineering College