



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-2020

Author Name	Title of the paper	Name of the Conference	National/ International	Venue	Year
M.K.Karthik,D.Muruganandam,S.Kannan,D.Raguraman,D.Arunkumar	Mechanical properties of aluminium wire reinforced GFRP laminates	Fourth International Conference On Innovative & Emerging Trends In Engineering And Technology	International		Jun-19
S.Boopathi	Recirculation Zone of Conical bluff body (CBB) combustor for an aircraft after burner applications	International conference Materials and Manufacturing Engineering	International	Sri Chandrasekharendra Saraswathi ViswaMahavidyalaya	Jun-19
S.Boopathi	Emission and performance investigation on CI engine by using Soybean methyl esterwith ethanol additivess	International conference on Sustainable Energy Resources, Materials and Technology	International	SSN Engineering College	Jun-19
S.Boopathi	Experimental investigation of flame stabilization using conical bluff body for thrust augmenters	International conference on Sustainable Energy Resources, Materials and Technology	International	SSN Engineering College	Jun-19
Dr. S. BOOPATHI, S.Ravikumar and Arumugam K	Experimental Investigation of Bluff body flame using Single ring V-Gutter	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19

J.Ravikumar , Dr. S. BOOPATHI, and R.Devanathan	Mitigating emission from CRDI engine fueled with waste cooking oil methyl ester/dimethyl carbonate blends	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
Dr. S. BOOPATHI, Arumugam K, Balasubramanian M, Vijay K and Mohamedbasith J	Heat transfer analysis with pin-fin apparatus by using CFD	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran	EVALUATION ON MECHANICAL PROPERTIES OF STAINLESS STEEL 316L WELDMENTS WELDED BY GAS METAL ARC WELDING	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran	MACHINING OF AL-SIC METAL MATRIX COMPOSITE BY POLY CRYSTALLINE DIAMOND (PCD) TOOL WITH LASER BEAM ASSIST TURNING OPERATION	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran	IMPACT OF DLC COVERING ON TRIBOLOGICAL CONDUCT OF CHAMBER INTERNAL CYLINDER RING MATERIAL MIX WHEN GREASED UP WITH JATROPHA OIL	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
I. SHARON MARISHKA	Influence Of Reduced Graphene Oxide on the Mechanical Properties and Tribological properties Of Natural Rubber Nano Composites	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Arun	Analysis of Welding Parameters of Stainless-Steel SS 304 by tungsten Inert Gas Welding	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19

S.Arun,D.Arunkumar,S.Kannan	Investigation Of Mechanical Properties By Optimizing Process Parameters Of Selective Laser Sintering Of Nylon 12	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Arun,D.Arunkumar,S.Kannan	Experimental Investigation Of Zinc Based Catalytic Converter	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUMAR	Green Power Generation Using Permanent Magnet	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUMAR	Cfd Flow Analysis And Simulation Of Turbocharger Components	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUMAR	Water Generation From Atmospheric Air	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUMAR	Optimization Of Process Parameter To Investigate The Mechanical Properties Of Biocompatible Material By Rapid Prototyping	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUMAR	Investigation On Effect Of Cryogenics On Laser Sintered Biocompatible Materials	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19

MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUM AR	Optimized Muffler Design For Less Noise	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUM AR	Fabrication And Conceptual Model Of Effective Take-Off And Landing Of Aircraft Using Maglev	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
MR. ARUN S ,MR. KANNAN S Mr.D.ARUNKUM AR	AUTOMATIC PNEUMATIC THREE AXIS TRAILOR USING THREE CYLINDERS	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
DR.S. Boopathi, MR.J.RAVIKUM AR	Emission impact of DMC on mustard biodiesel propelled diesel engine	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
DR.S. Boopathi, MR.J.RAVIKUM AR	Combined effect of compression ratio and EGR on combustion, performance and emissions characteristics of a common rail direct injection (CRDi) diesel engine fuelled with Karanja oil methyl ester-diesel blend	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
Dr.Rajeshkumar, Mr.J.Ravikumar, Mr.S.Boopathi	Comparative Evaluation And Optimization Of Engine Parameters In Di Diesel Engine Fueled With Higher Alcohol-Diesel Blends	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19

Dr.Rajeshkumar, Mr.J.Ravikumar, Mr.S.Boopathi	Use Of Lignin-Derived Advanced Biofuels With The Analysis Of Combustion, Emission And Performance Of Diesel Engines Used In Agricultural Implementations	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
Dr.Rajeshkumar, Mr.J.Ravikumar, Mr.S.Boopathi	Multi-Objective Optimization And Effective Utilization Of Waste Oil In A Light-Duty Diesel Engine Using Second Generation Biofuels	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
Dr.Rajeshkumar, Mr.J.Ravikumar, Mr.S.Boopathi	Combustion, emission and performance characteristics of a diesel engine fuelled with waste frying oil (WFO), waste frying oil methyl ester (WFOME) and their oxygenated blends.	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S. Karthikeyan, V. Vijayaraghunathan , I.Sharon Marishka	Design, Optimization & Analysing on Bullet Proof Jacket for Soldier in a Sandwich Composite	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
M.Sathish Babu, Mrs.I.Sharon Marishka	Abrasive Wear Studies Of CNT Incorporated Natural Rubber Composites	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran, S.Vignesh, A.Aroky Anicia	Study on challenges in Spacecraft Propulsion	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19

S.Gejendhiran, S.Vignesh, A.Arokya Anicia	Investigation of hydrogen energy in vehicles	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran, S.Vignesh, A.Arokya Anicia	Investigation of Cooling and Lubrication of Engines	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran, S.Vignesh, A.Arokya Anicia	Study and analysis of Fast Convergence Algorithms for Active Noise Controlling Vehicles	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran, S.Vignesh	Study and analysis of Battery Electric Vehicle	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
S.Gejendhiran, S.Vignesh	Design, Analysis, Fabrication and Testing of a Composite Leaf Spring	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
N.Mukilarasan,J.R avikumar	HEAT TRANSFER ENHANCEMENT OF NANOPARTICLES (Al ₂ O ₃)	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19

N.Mukilarasan,J.R avikumar	PERFORMANCE OPTIMIZATION OF CONDENSER IN THERMAL POWER PLANT	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
N.Mukilarasan,J.R avikumar	PERFORMANCE OPTIMIZATION OF COUNTER FLOW COOLING TOWER	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
N.Mukilarasan,J.R avikumar	Woven Hemp and Glass Fiber Hybrid Composite - A Comparative Study on Flexural and hardness Properties with and without NaOH Treatment	International Conference On Recent Trends In Aero Science And Engineering And Technologies	International	Jeppiaar Institute of technology	Sep-19
R.Devanathan,J.R avikumar,Boopath i S and S.A.Arokya Anicia	Influence in Mechanical properties of stir cast aluminum (AA6061) metal matrix composite	International conference Materials, Manufacturing and Modelling organised by Vellore Institute of Technology	International	Jeppiaar Institute of technology	Mar-19
Gejendhiran.S,Ake eshraj M,Vibin A,Udhay Sankar T V,	Automation in Grinding Process to Reduce Manufacturing Cost.	INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN SCIENCE, ENGINEERING AND TECHNOLOGY	International	Jeppiaar Institute of technology	Jul-20
Mukilarasan Nedunchezhiyan, Anuragh Kumar Jaiswal J, Suriya Narayanan C P	Experimental Investigation of Double Slope Solar Still using Three Way Reflectors.	INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN SCIENCE, ENGINEERING AND TECHNOLOGY	International	Jeppiaar Institute of technology	Jul-20

Vengata Krishnan R, Deepakraj V, Karthick M, Sundarapandiyan K, Sharon Marishka I	Climbing Wheelchair with To And Fro Action of Steering Mechanism	INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN SCIENCE, ENGINEERING AND TECHNOLOGY	International	Jeppiaar Institute of technology	Jul-20
Aravind Venkatesh K, Raj Kumar M, Dr.Rajesh Kumar B, Arvin Sam B.R, Diwakar N	Performance, Combustion and Emission Characteristics of Diesel Engine Fuelled with Papaya Seed Bio- Diesel.	INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN SCIENCE, ENGINEERING AND TECHNOLOGY	International	Jeppiaar Institute of technology	Jul-20