

Chennai Institute of Technology
Department of Mechanical Engineering

Scopus Indexed Publications List

Sl. No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Publisher	ISSN
1	Gowthaman S., Tripathi P., Ariharan S., Ramkumar J., Balani K.	Water attenuation enhances tribological damage resistance in laser peened steel	2022	Materials Letters	308				Elsevier B.V.	0167577X
2	Palaniyappan S., Annamalai V.E., Ashwinkumaran S., Thenmuhil D., Veeman D.	Utilization of abrasive industry waste as a substitute material for the production of fireclay brick	2022	Journal of Building Engineering	45				Elsevier Ltd	23527102
3	Gowthaman S., Jagadeesha T.	Comparative study on the critical effect of radial rake angle and machining parameters on the formation of vibration amplitude during end milling of Nimonic 263	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	4			Springer	2562499
4	Gowthaman S., Jagadeesha T., Dhinakaran V.	Influence of machining behavior on severe deformation and corrosion resistance of end milled Nimonic 263 alloy	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	4			Springer	2562499
5	Senthil T.S., Ramesh Babu S., Puviyarasan M., Dhinakaran V.	Mechanical and microstructural characterization of functionally graded Inconel 825 - SS316L fabricated using wire arc additive manufacturing	2021	Journal of Materials Research and Technology	15		661	669	Elsevier Editoria Ltda	22387854
6	Antony Casmir Jayaseelan G., Anderson A., Manigandan S., Elfasakhany A., Dhinakaran V.	Effect of engine parameters, combustion and emission characteristics of diesel	2021	Fuel	302				Elsevier Ltd	162361

		engine with dual fuel operation							
7	Sekar M., Praveenkumar T.R., Dhinakaran V., Gunasekar P., Pugazhendhi A.	Combustion and emission characteristics of diesel engine fueled with nanocatalyst and pyrolysis oil produced from the solid plastic waste using screw reactor	2021	Journal of Cleaner Production	318			Elsevier Ltd	9596526
8	Karthikeyan K., Kishore R., Jeeva K., Kumar H., Kannan R.S.	Topology optimization of an ATV wheel hub	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
9	Rajkumar K., Vinoth N., Kumar R.S., Sathish T., Subbiah R., Ravichandran M., Mohanavel V.	Mechanical and water absorption behaviour of palm seed particles based hybrid bio-composites	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
10	Kishore R., Sivaraj S., Dhinakaran V., Padma Pravin Prabhagar V.S., Jawhar Srinivas S.	Strength of 3D prints with variable print orientation	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
11	Subbiah R., Kumar B.K., Sathish T., Ravichandran M., Mohanavel V., Raja T.	Wear properties of waste silk fibre reinforced PLA bio composites using taguchi technique	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
12	Arul K., Rajaparthiban J., Mohanavel V., Sathish T., Subbiah R., Ravichandran M.	Performance and evaluation of vegetable oil-based fluids as future cutting fluids in turning of duplex stainless steel	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
13	Kishore R., Vinayaga Moorthy M., Gokul P.S., Mugundhan, Mugilan	Additive manufacturing with composites of poly lactic acid (PLA)	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
14	Vinoth N., Rajkumar K., Kumar R.S., Mohanavel V., Ravichandran M., Sathish T., Subbiah R.	Tensile and impact strength of alpaca fiber epoxy matrix hybrid composites prepared by injection moulding process	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
15	Shanmugam R., Ramoni M.O., Chandran J., Mohanavel V., Pugazhendhi L.	A review on the significant classification of additive manufacturing	2021	Journal of Physics: Conference Series	2027	1		IOP Publishing Ltd	17426588
16	Kannan G.K., Ramesh P., Dhinakaran V., Anandhraj R.	A review on welding and fatigue behaviour of titanium and its alloys	2021	Journal of Physics:	2027	1		IOP Publishing Ltd	17426588

				Conference Series						
17	Kishore R., Gokul P.S., Dhinakaran V., Selva N., Karthikeyan S.R.	Investigation on composite feedstock filament for fusion deposition modelling	2021	Journal of Physics: Conference Series	2027	1			IOP Publishing Ltd	17426588
18	Vishnupriyan J., Arumugam D., Kumar N.M., Chopra S.S., Partheeban P.	Multi-criteria decision analysis for optimal planning of desalination plant feasibility in different urban cities in India	2021	Journal of Cleaner Production	315				Elsevier Ltd	9596526
19	Danook S.H., Al-Bonsrulah H.A.Z., Hashim I., Veeman D.	Cfd simulation of a 3d solar chimney integrated with an axial turbine for power generation	2021	Energies	14	18			MDPI	19961073
20	Veeman D., Sai M.S., Rajkumar V., Ravichandran M., Manivannan S.	Graphene for Thermal Storage Applications: Characterization, Simulation and Modelling	2021	Journal of Electronic Materials	50	9	5090	5105	Springer	3615235
21	Arumugam D., Sivasailam K.	Eigen frequency analysis of diffuser casing of a multistage pump	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	3			Springer	2562499
22	Jayabalakrishnan D., Saravanan K., Ravi S., Prabhu P., Maridurai T., Prakash V.R.A.	Fabrication and Characterization of Acrylonitrile Butadiene Rubber and Stitched E-Glass Fibre Tailored Nano-Silica Epoxy Resin Composite	2021	Silicon	13	8	2509	2517	Springer Science and Business Media B.V.	1876990X
23	Arumugam D., Sivasailam K.	Experimental study of characteristics of pressure fluctuation in an electrical submersible pump under different flow rates and speeds using time and frequency domain	2021	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	6			Springer Science and Business Media Deutschland GmbH	16785878
24	Veerappan G., Ravichandran M., Meignanamoorthy M., Mohanavel V.	Characterization and Properties of Silicon Carbide Reinforced Ni-10Co-5Cr (Superalloy) Matrix Composite Produced Via Powder Metallurgy Route	2021	Silicon	13	4	973	984	Springer Science and Business Media B.V.	1876990X

25	Dhamodharan D., Ghoderao P.P., Dhinakaran V., Mubarak S., Divakaran N., Byun H.-S.	A review on graphene oxide effect in energy storage devices	2021	Journal of Industrial and Engineering Chemistry					Korean Society of Industrial Engineering Chemistry	1226086X
26	Jayabalakrishnan D., Prabhu P., Mohamed Iqbal S., Mugendiran V., Ravi S., Arun Prakash V.R.	Mechanical, dielectric, and hydrophobicity behavior of coconut shell biochar toughened Caryota urens natural fiber reinforced epoxy composite	2021	Polymer Composites					John Wiley and Sons Inc	2728397
27	Ganesamoorthy R., Meenakshi Reddy R., Raja T., Panda P.K., Dhoria S.H., Nasif O., Alfarraj S., Manikandan V., Jenish I.	Studies on Mechanical Properties of Kevlar/Napier Grass Fibers Reinforced with Polymer Matrix Hybrid Composite	2021	Advances in Materials Science and Engineering	2021				Hindawi Limited	16878434
28	Natrayan L., Ravichandran M., Veeman D., Sureshkumar P., Jagadeesha T., Suryanarayanan R., Mammo W.D.	Enhancement of Mechanical Properties on Novel Friction Stir Welded Al-Mg-Zn Alloy Joints Reinforced with Nano-SiC Particles	2021	Journal of Nanomaterials	2021				Hindawi Limited	16874110
29	Gurusamy P., Sathish T., Mohanavel V., Karthick A., Ravichandran M., Nasif O., Alfarraj S., Manikandan V., Prasath S.	Finite Element Analysis of Temperature Distribution and Stress Behavior of Squeeze Pressure Composites	2021	Advances in Materials Science and Engineering	2021				Hindawi Limited	16878434
30	Mohanavel V., Ashraff Ali K.S., Ranganathan K., Allen Jeffrey J., Ravikumar M.M., Rajkumar S.	The roles and applications of additive manufacturing in the aerospace and automobile sector	2021	Materials Today: Proceedings	47		405	409	Elsevier Ltd	22147853
31	Veeman D., Shree M.V., Sureshkumar P., Jagadeesha T., Natrayan L., Ravichandran M., Paramasivam P.	Sustainable Development of Carbon Nanocomposites: Synthesis and Classification for Environmental Remediation	2021	Journal of Nanomaterials	2021				Hindawi Limited	16874110
32	Veeman D., Sai M.S., Sureshkumar P., Jagadeesha T., Natrayan L., Ravichandran M., Mammo W.D.	Additive Manufacturing of Biopolymers for Tissue Engineering and Regenerative Medicine: An Overview, Potential	2021	International Journal of Polymer Science	2021				Hindawi Limited	16879422

		Applications, Advancements, and Trends								
33	Gowthaman S., Jagadeesha T., Dhinakaran V.	Comparative Study on the Effect of Temperature, Pressure and Grain Size on the Creep Behavior of Monolithic Titanium Aluminide Alloy through Molecular Dynamics Simulation	2021	Transactions of the Indian Institute of Metals					Springer	9722815
34	Kanimozhi B., kumar G., Alehli M., Elfasakhany A., Veeman D., Balaji S., thiran T., Praveen Kumar T.R., Sekar M.	Effects of oxyhydrogen on the CI engine fueled with the biodiesel blends: A performance, combustion and emission characteristics study	2021	International Journal of Hydrogen Energy					Elsevier Ltd	3603199
35	Zhang K., Vijayakumar M.D., Jamal S.S., Natiq H., Rajagopal K., Jafari S., Hussain I.	A Novel Megastable Oscillator with a Strange Structure of Coexisting Attractors: Design, Analysis, and FPGA Implementation	2021	Complexity	2021				Hindawi Limited	10762787
36	Vijayakumar M.D., Jamal S.S., Ali Ali A.M., Rajagopal K., Jafari S., Hussain I.	Proposing and Dynamical Analysis of a Hyperjerk Piecewise Linear Chaotic System with Offset Boostable Variable and Hidden Attractors	2021	Complexity	2021				Hindawi Limited	10762787
37	Ravichandran M., Veerappan G., Dhinakaran V., Katiyar J.K.	Optimization of tribomechanical properties of boron carbide reinforced magnesium metal matrix composite	2021	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology					SAGE Publications Ltd	13506501
38	Stephen Bernard S., Vivek S., Suresh G., Kannan G.K.	Influence of 3-(8,11,14-Pentadecatrienyl) Phenol Cardanol as a Bio-Based Binder in a Brake Pad	2021	Lecture Notes in Mechanical Engineering			519	527	Springer Science and Business Media Deutschland GmbH	21954356
39	Sangeetha M., Vasanthaprabhu A., Sivaprakasam K., Nithya S., Dhinakaran V., Gunasekar P.	Surface roughness analysis for newly prepared CNT-coated metal matrix: RSM approach	2021	Applied Nanoscience (Switzerland)					Springer Science and Business Media Deutschland GmbH	21905509

40	Stephen Bernard S., Suresh G., Kannan G.K., Lohesh Srinath S.R., Vishweshwaran M., Javeed Ahmed M.	Studies on Mechanical and Physical Characteristics of Cardanol in a High-Friction Composite Material	2021	Lecture Notes in Mechanical Engineering			509	517	Springer Science and Business Media Deutschland GmbH	21954356
41	Kannan G.K., Stephen Bernard S., Ahmed M.J., Ivon Paul A., Suresh G.	Frictional Performance on Various Speed and Pressure for Cardanol as a Binder in High Friction Composite Material Using Pin on Disc	2021	Lecture Notes in Mechanical Engineering			501	508	Springer Science and Business Media Deutschland GmbH	21954356
42	Veeman D., Natiq H., Al-Saidi N.M.G., Rajagopal K., Jafari S., Hussain I.	A New Megastable Chaotic Oscillator with Blinking Oscillation terms	2021	Complexity	2021				Hindawi Limited	10762787
43	Ravi S., Saravanan K., Jayabalakrishnan D., Prabhu P., Suyamburajan V., Jayaseelan V., Mayakkannan A.V.	Silane Grafted Nanosilica and Aramid Fibre-Reinforced Epoxy Composite: DMA, Fatigue and Dynamic Loading Behaviour	2021	Silicon					Springer Science and Business Media B.V.	1876990X
44	Dhinakaran V., Stalin B., Sai M.S., Vairamuthu J., Marichamy S.	Recent developments of graphene composites for energy storage devices	2021	Materials Today: Proceedings	45		1779	1782	Elsevier Ltd	22147853
45	Paidar M., Ashraff Ali K.S., Ojo O.O., Mohanavel V., Vairamuthu J., Ravichandran M.	Diffusion brazing of Inconel 617 and 321 stainless steel by using AMS 4772 Ag interlayer	2021	Journal of Manufacturing Processes	61		383	395	Elsevier Ltd	15266125
46	Dhinakaran V., Surendran R., Varsha Shree M., Gupta P.	Study on Electric Vehicle (EV) and Its Developments Based on Batteries, Drive System and Charging Methodologies in Modern World	2021	Green Energy and Technology			103	118	Springer Science and Business Media Deutschland GmbH	18653529
47	Dhinakaran V., Kumar A.R., Ramgopal R., Kannan S., Stalin B., Jagadeesha T.	Topology Optimization of Steering Knuckle	2021	Lecture Notes in Mechanical Engineering	23		197	206	Springer Science and Business Media Deutschland GmbH	21954356
48	Ganesan P., Sivakandhan C., Marichamy S., Madan D., Stalin B., Dhinakaran V.	Taguchi Optimization of AWJM Process Parameters on Aluminium Hybrid Composite	2021	Lecture Notes in Mechanical Engineering	23		347	355	Springer Science and Business Media Deutschland GmbH	21954356
49	Stalin B., Dhinakaran V., Ravichandran M., Sathiya Moorthi K., Vairamuthu J.	Fracture Analysis of C-Stringer and Hat Stringer	2021	Lecture Notes in Mechanical Engineering	23		47	55	Springer Science and Business Media	21954356

		on the Load Carrying Vehicle							Deutschland GmbH	
50	Narayanan D., Salunkhe V.G., Dhinakaran V., Jagadeesha T.	Experimental Evaluation of Cutting Process Parameters in Cryogenic Machining of Duplex Stainless Steel	2021	Lecture Notes in Mechanical Engineering	23		505	516	Springer Science and Business Media Deutschland GmbH	21954356
51	Vishnu Vardhan T., Marichamy S., Stalin B., Vairamuthu J., Dhinakaran V.	Tribological Behaviour and Electric Discharge Drilling of Duplex Silicon Metal Matrix	2021	Lecture Notes in Mechanical Engineering	23		553	562	Springer Science and Business Media Deutschland GmbH	21954356
52	Pritima D., Padmanabhan P., Marichamy S., Sivakandhan C., Stalin B., Dhinakaran V.	Material Characterization and Parametric Effect on Nickel-Coated Mild Steel Sheets by Electroplating Process	2021	Lecture Notes in Mechanical Engineering	23		465	471	Springer Science and Business Media Deutschland GmbH	21954356
53	Choudhary M.K., Dhinakaran V., Jagadeesha T.	Wear Behaviour of Duplex Stainless Steel Spur Gear Produced by CNC Wire Electro-discharge Machining Under Wet Lubrication—An Experimental Approach	2021	Lecture Notes in Mechanical Engineering	23		397	406	Springer Science and Business Media Deutschland GmbH	21954356
54	Subhash N., Dhinakaran V., Jagadeesha T.	Finite Element Modelling of Cutting Forces in Turning of Ti-6Al-4V Alloy	2021	Lecture Notes in Mechanical Engineering	23		439	446	Springer Science and Business Media Deutschland GmbH	21954356
55	Dhinakaran V., Surendran R., Manoj Kumar K.P., Rahul Kumar A., Nagesha B.K., Vijayakumar M.D.	Numerical Analysis on Gas Turbine Blade of a Nickel-Based Alloy with Titanium Alloy	2021	Lecture Notes in Mechanical Engineering	23		663	671	Springer Science and Business Media Deutschland GmbH	21954356
56	Senthil Kumar P.S., Marichamy S., Sivakandhan C., Stalin B., Dhinakaran V., Satyanarayana I.	Evaluation of Material Properties and Abrasive Resistance of Tantalum Carbide-Based Hardox Steel for Construction Purpose	2021	Lecture Notes in Mechanical Engineering	23		69	76	Springer Science and Business Media Deutschland GmbH	21954356
57	Rahul Kumar A., Prince Packiaraj P., Suresh A., Dhinakaran V., Vinayagamoorthy M., Sivaraj S.	Mechanical Properties and Microstructure of Nano-crystalline AlN Coating on Mild Steel	2021	Lecture Notes in Mechanical Engineering	23		455	464	Springer Science and Business Media Deutschland GmbH	21954356

58	Stalin B., Dhinakaran V., Ravichandran M., Sathiya Moorthi K., Vairamuthu J.	Buckling Analysis of C-Stringer and Hat Stringer on the Load Carrying Vehicle	2021	Lecture Notes in Mechanical Engineering	23		177	183	Springer Science and Business Media Deutschland GmbH	21954356
59	Choudhary M.K., Dhinakaran V., Jagadeesha T.	Comparison of Duplex Stainless Steel (2205) Spur Gears Cut by Wire Electrodischarge Machining (WEDM) and Hobbing Under Dry Condition	2021	Lecture Notes in Mechanical Engineering	23		275	283	Springer Science and Business Media Deutschland GmbH	21954356
60	Augustine A., Vijayakumar J.D., Paulsingarayar S., Marichamy S., Stalin B., Dhinakaran V.	Parametric Effect and Laser Beam Machining of Rhenium Diboride-Based Molybdenum Metal Matrix	2021	Lecture Notes in Mechanical Engineering	23		725	732	Springer Science and Business Media Deutschland GmbH	21954356
61	Surendran R., Rahul Kumar A., Suresh A., Manoj Kumar K.P., Dhinakaran V., Karthikeyan K.	Design of Industrial Safety Helmets with Improved Stiffness Through Finite Element Analysis	2021	Lecture Notes in Mechanical Engineering	23		155	166	Springer Science and Business Media Deutschland GmbH	21954356
62	Bupathi Ram P.M., Dhinakaran V., Manoj Kumar K.P., Kannan S., Mohit H.	A FEA Model to Predict Mechanical Properties of Laminated Bamboo Composites	2021	Lecture Notes in Mechanical Engineering	23		587	595	Springer Science and Business Media Deutschland GmbH	21954356
63	Jacob, Dhinakaran V., Jagadeesha T.	Mechanical and Tribological Properties of Al-Mg-SiC Metal Matrix Composite for Pistons of Two-Stroke Engine	2021	Lecture Notes in Mechanical Engineering	23		673	683	Springer Science and Business Media Deutschland GmbH	21954356
64	Kolekar S., Dhinakaran V., Jagadeesha T., Bok C.S.	Design, Fabrication and Testing of Magnetorheological Damper System for Machine Tool Application	2021	Lecture Notes in Mechanical Engineering	23		13	31	Springer Science and Business Media Deutschland GmbH	21954356
65	Somasundaram S., Ramesh Babu B.R., Raj Jawahar R.	Tribological characteristics of n-(GO/WC-10Co-4Cr) HVOF coatings under biolubricant conditions	2021	Surface Engineering	37	1	91	100	Taylor and Francis Ltd.	2670844
66	Arunkumar M., Dhinakaran V., Siva Shanmugam N.	Numerical prediction of temperature distribution and residual stresses on plasma arc welded thin titanium sheets	2021	International Journal of Modelling and Simulation	41	2	146	162	Taylor and Francis Ltd.	2286203

67	Karthikeyan R., Selvaraju P.N., Sankaramoorthy T., Ramesh Babu B.R.	Investigation of the Mechanical Behavior and Impact Analysis of Hybrid Composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
68	Dhinakaran V., Stalin B., Ravichandran M., Balasubramanian M., Anand Chairman C., Pritima D.	Wire Arc Additive Manufacturing Perspectives and Recent Developments	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
69	Deepak Suresh Kumar R., Ravi S., Vignesh A., Sujith Raja M.S.	Ergonomic Evaluation of Passenger Car Vehicle Seat Design	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
70	Adharsh S., Abul Kalam Azad A., Fahmidha F.Y., Dhinakaran V., Jagadeesha T.	Review on 3d Printing of Biological Tissues and the Materialization	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
71	Vijayaganapathy D., Dhinakaran V., Dhivakar Raviram R.P.	Reverse Engineering & Stable Analysis of Corrosion Protective Fibre Reinforced Plastic Fan Blade	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
72	Hari Vignesh S., Kannan G.R., Prabakaran M.P., Ganesamoorthy R.	Investigation of Brake disc using Metal Matrix Composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
73	Mohanavel V., Ramesh Kannan C., Vairamuthu J., Stalin B., Balaji R., Rajarajan S., Ganeshan P.	Optimization of Wear Parameters of aluminium composites (AA6082/12wt%ZrO ₂) utilizing Taguchi technique	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
74	Balasubramanian M., Anand Chairman C., Pritima D., Dhinakaran V., Stalin B., Ravichandran M.	Re-entrant Formation on Superplastic Forming Process by Mechatronics Approach in 5083 Al Alloy	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
75	Chandrasekar G., Kannan R., Prabakaran M.P., Ganesamoorthy R.	Effect of Activating Flux (Metal Oxide) on the Weld Bead Nomenclature of Tungsten Inert Gas Welding Process - A Review	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981

76	Manivannan S., Vairamuthu J., Tilahun S., Vijayakumar M.D., Ramesh Kannan C., Stalin B.	The influence of rare earth cerium addition on mechanical and corrosion properties cast Mg-6Al- 1Zn magnesium alloy	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
77	Dhinakaran V., Stalin B., Ravichandran M., Balasubramanian M., Anand Chairma C., Marichamy S.	Recent Progress of Hybrid Architectures Based on Nanomaterials	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
78	Marichamy S., Dhinakaran V., Stalin B., Ravichandran M., Balasubramanian M., Anand Chairman C.	Taguchi Optimization and Flame Hardening Experimental Investigation on Eglin Steel	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
79	Ravichandran M., Balasubramanian M., Anand Chairman C., Marichamy S., Dhinakaran V., Stalin B.	Mechanical properties of Fly ash reinforced Aluminium matrix composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
80	Rouf S., Fazili A.H., Najar F.A., Rehman S., Gulzar S., Malik S., Dhinakaran V.	Influence of Roughness Parameter in Hydrodynamic Lubrication: A Special Case of Thrust Bearing	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
81	Anand Chairman C., Marichamy S., Dhinakaran V., Stalin B., Ravichandran M., Balasubramanian M.	Mechanical performance of TiC filled chopped basalt fibre reinforced epoxy composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
82	Gurusamy P., Ravi S., Mohanavel V.	Experimental Investigation and Solidification Study of Aluminium alloy Composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
83	Mohanavel V., Suresh Kumar S., Vishnukumar R., Sivaraman V., Vairamuthu J., Ravichandran M.	Optimization of CNC machining process parameters for AA2014/WC composite	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
84	Dhivakar Raviram R.P., Vijayaganapathy D., Dhinakaran V.	Performance Consideration and Result Analysis Using Various Alternative Refrigerants in a Vapour-Compression Refrigeration System	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981

85	Stalin B., Ravichandran M., Balasubramanian M., Anand Chairman C., Pritima D., Dhinakaran V.	Processing of MMC through conventional sintering and spark plasma sintering process: A review	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
86	Mohanavel V., Vairamuthu J., Ramesh Kannan C., Stalin B., Balaji R., Venkatesha P., Suresh Kumar S.	CNC Machining parameters optimization of AA7050 with reinforcement of ZrO ₂ composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
87	Pritima D., Dhinakaran V., Stalin B., Ravichandran M., Balasubramanian M., Anand Chairman C.	Surface roughness prediction and parametric optimization of shot blasting of Al7068 using RSM	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
88	Arravind R., Vairamuthu J., Stalin B., Shanmugam S., Balaji R., Dhinakaran V.	Wear experimentation on Tantalum carbide-based Niobium MMC	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
89	Gurusamy P., Hari Krishna Raj S.	Influence of Squeeze Casting Process Parameter on Al/SiCp Metal Matrix Composite	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
90	Vairamuthu J., Tilahun S., Vijayakumar M.D., Ramesh Kannan C., Manivannan S., Stalin B.	The squeeze casting parametric effect on magnesium metal matrix composite	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
91	Ravichandran M., Balasubramanian M., Anand Chairman C., Pritima D., Dhinakaran V., Stalin B.	Recent developments in Polymer Matrix Composites - A review	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
92	Ramesh Kannan C., Manivannan S., Vairamuthu J., Tilahun S., Vijayakumar M.D., Stalin B.	Investigation of cryogenic soaking period on flank wear in turning using Response Surface Methodology	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
93	Balasubramanian M., Anand Chairman C., Marichamy S., Dhinakaran V., Stalin B., Ravichandran M.	Investigation and optimization of Superplastic forming parameter in Aluminium alloy	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981

94	Vijayakumar M.D., Ramesh Kannan C., Manivannan S., Vairamuthu J., Tilahun S., Bupathi Ram P.M.	Finite Element Analysis of Automotive Truck Chassis	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
95	Anand Chairman C., Pritima D., Dhinakaran V., Stalin B., Ravichandran M., Balasubramanian M.	Investigations on Mechanical Properties of Basalt Powder filled Vinyl Ester Composites	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
96	Stalin B., Ravichandran M., Balasubramanian M., Anand Chairman C., Marichamy S., Dhinakaran V.	Parametric optimization and abrasive water jet drilling on bronze metal matrix composite	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
97	Tilahun S., Vijayakumar M.D., Ramesh Kannan C., Manivannan S., Vairamuthu J., Manoj Kumar K.P.	A Review on Ultrasonic Welding of Various Materials and Their Mechanical Properties	2020	IOP Conference Series: Materials Science and Engineering	988	1			IOP Publishing Ltd	17578981
98	Jayapalan S., Babu B.R.R., Kumar S.D., Kanishkar S.M., Venugopal J., Mariadhas A., Subbiah G.	Impact of nano additives in diesel engine to investigate performance and emission characteristics by using biodiesel blended with diesel	2020	AIP Conference Proceedings	2311				American Institute of Physics Inc.	0094243X
99	Jayapalan S., Babu B.R.R., Kalaiyaran, Hemanthkumar P., Venugopal J., Mariadhas A., Sivasaravanan S.	Experimental investigation on emission reduction in diesel engine by using biodiesel with catalytic converter	2020	AIP Conference Proceedings	2311				American Institute of Physics Inc.	0094243X
100	Jayapalan S., Babu B.R.R., Syed Khalid P., Sharuhan M., Venugopal J., Mariadhas A., Kachupalli S.R.S.R.	Emission examination in diesel engine by using biodiesel fuel with electrochemical activated cell catalytic converter	2020	AIP Conference Proceedings	2311				American Institute of Physics Inc.	0094243X
101	Dhanalakshmi B., Dhanagopal R., Raguraman D., Thamdapani T.	Improving cognitive learning of children with dyspraxia using selection based mid-air gestures in athynos game	2020	Proceedings of the 3rd International Conference on Intelligent Sustainable Systems, ICISS 2020			231	237	Institute of Electrical and Electronics Engineers Inc.	

102	Sukumar T., Ramesh Bapu B.R., Durga Prasad B.	Numerical analysis and experimental evaluation of rubber boot design	2020	Engineering Failure Analysis	118				Elsevier Ltd	13506307
103	Sukumar T., Ramesh Bapu B.R., Durga Prasad B.	Prediction of hyperelastic material sealing pressure using experimental and numerical analyses	2020	Journal of Elastomers and Plastics	52	8	717	727	SAGE Publications Ltd	952443
104	Dhanalakshmi B., Ramesh R., Raguraman D., Menaka R.	Automated Vehicle Number Plate Recognition System using Stability Score and K-Means Clustering Algorithm	2020	Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020			1078	1082	Institute of Electrical and Electronics Engineers Inc.	
105	Veera Kishore C.H., Dhinakaran V., Jagadeesha T.	Study and analysis of stress and pressure variations on Indian railway wheel	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
106	Kishore R., Karthikeyan K., Karthick G., Raja Rasalnath S.	Comparative analysis on mechanical behavior of coir fiber composite by varying the fiber length and composition of filler materials	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
107	Rashid M., Dhinakaran V., Jagadeesha T.	Topology optimization of rigid flanged couplings using finite element analysis	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
108	Dinesh D., Nagendharan S., Diwakar Raviram R.	Design and performance analysis of curved fins with convex inner flow surface	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
109	Kannan G.K., Nagendharan S., Krishnamoorthi S.	Performance improvement in compact single cylinder IC engines for fuel efficient racing application	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
110	Stalin B., Ravichandran M., Marichamy S., Choumya Devi T.D., Alagarsamy S.V., Dhinakaran V.	Friction welding parametric optimization of AISI 310L austenitic stainless steel weld joints-Grey relational investigation	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
111	Prajwal S., Dhinakaran V., Jagadeesha T.	Size optimization of shoulder filleted shafts with relief grooves for improving their fatigue life	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X

112	Mohanavel V., Suresh Kumar S., Ganeshan P., Vishnukumar R., Gurusamy P.	Physical, mechanical and wear performance of graphite (Gr) particles incorporated aluminium matrix composites-An overview	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
113	Sathish T., Muthukumar K., Saravanan R., Dhinakaran V.	Investigation on waste tyre oil with diesel for detection of density, kinematic and dynamic viscosities evaluation of various combinations in volume basis	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
114	Ramesh Babu B.R., Vijayakumar M.D.	Preface: Proceedings of International Conference on Recent Trends in Mechanical and Materials Engineering ICRTMME 2019	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
115	Sathish T., Subramanian D.B., Saravanan R., Dhinakaran V.	Experimental study about flash and fire point comparison on three combinations of waste tyre oil with diesel for alternate fuel properties identification	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
116	Sathish T., Bala Subramanian D., Saravanan R., Dhinakaran V.	Experimental investigation of temperature variation on flat plate collector by using silicon carbide as a nanofluid	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
117	Vishnu Vardhan T., Stalin B., Marichamy S., Ravichandran M., Vairamuthu J., Dhinakaran V.	Material synthesis, characterization and machining performance of terbium metal matrix composite	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
118	Manimaran M., Sakthi Balan G., Ravichandran M., Mohanavel V., Dhinakaran V.	Performance, emission analysis and optimization of biodiesel blend with CuO nano particle additive in di diesel engine	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
119	Prabaharan T., Periasamy P., Mugendiran V., Varsha Shree M.	Influence of image pixels and image contrasts in computing 2D geometrical properties using MATLAB	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X

120	Janaki Manohar N., Muthu Krishnan N., Rahul Kumar A.	Enhanced ergonomic design of driver seat	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
121	Sathish T., Arunkumar S., Saravanan R., Dhinakaran V.	Experimental investigation on material characterization of zirconia reinforced Alumina ceramic composites via powder forming process	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
122	Sathish T., Muthukumar K., Saravanan R., Dhinakaran V.	Study on temperature difference of aluminium nitride nanofluid used in solar flat plate collector over normal water	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
123	Agarwal R., Dhinakaran V., Jagadeesha T.	Fatigue analysis of similar and dissimilar spot welds	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
124	Suresh A., Deepak Suresh Kumar R., Mohamed Jaasim H., Tamilarasan B., Mugilvarnan N., Vignesh A.	Buckling analysis of 3D printed ABS thin cylinder at different percentage of infill's	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
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127	Kishore R., Sivaraj S., Karthikeyan K., Kathick G.	Design optimization and analysis of rear knuckle of ATV to reduce the manufacturing complexity and to improve strength	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
128	Karthikeyan I., Dhinakaran V., Rajkumar V.	Evaluation of mechanical properties of aluminium 6063-Borosilicate reinforced metal matrix composite	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
129	Mohanavel V., Suresh Kumar S., Sivaraman V., Girish V.K., Ravichandran M.	Tungsten carbide particulate reinforced AA7050 aluminum alloy	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X

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130	Saji N., Dhinakaran V., Jagadeesha T.	Finite element analysis of strength of different non-permanent joints subjected to eccentric loading	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
131	Dhanasekaran A., Kumaraswamy S.	Experimental evaluation of affinity law of pumps by using multistage electric submersible pump at various speeds of operation	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
132	Dhandapani N.V., Dhinakaran V., Krishnakumar K., Rajkumar V.	Transient thermal finite element simulation of moving gas tungsten arc welding on AISI 4340 aeronautical steel	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
133	Stalin B., Vishnu Vardhan T., Marichamy S., Vairamuthu J., Ravichandran M., Dhinakaran V.	Investigations on ultrasonic machining of tellurium copper metal matrix	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
134	Suresh A., Ramesh Babu B.R., Ragalakshmi S., Prince Packiyaraj P., Adharsh S., Abul Kalam Azad A.	Improving and standardization of industrial workers related to cognitive ergonomics	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
135	Mohan E., Mamundi Azaath L., Marichamy S., Dhinakaran V.	The effect of impact damper on vibration control in internal turning operation	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
136	Saravanan S., Jayasuthahar S.T., Dhinakaran V., Sankar S.	Tribological characteristics of TiO ₂ particles reinforced aluminum nanocomposites produced via liquid metallurgy techniques with ultrasonic vibrator	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
137	Kishore R., Yuwaraj K.R., Vinoth N., Kannan P.	Designing an optimized model of water lifting device without conventional practices	2020	AIP Conference Proceedings	2283				American Institute of Physics Inc.	0094243X
138	Dhanasekaran A., Kumaraswamy S.	Pressure pulsation in stages of electric submersible pump at shut-off under various speeds	2020	Paiguan Jixie Gongcheng Xuebao/Journal of Drainage and Irrigation	38	7	649	657	Editorial Department of Journal of Drainage and Irrigation	16748530

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139	Wijaya N.H., Agtesa A., De Brito Silva G., Dhinakaran V., Usman M.	Simulation of vitiligo therapy equipment	2020	Journal of Robotics and Control (JRC)	1	4	124	128	Department of Agribusiness, Universitas Muhammadiyah Yogyakarta	27155056
140	Bapu B.R.R., Kayalvizhi S., Murugavalli S.	Two phase cooling with nano-fluid for highly dense electronic systems-on-chip – A pilot study	2020	Microelectronics Reliability	108				Elsevier Ltd	262714
141	Vijayaganapathy D., Rajarasalnath S., Kannan P., Dhivakar R.R.P.	Parametric analysis and designing of wind mill blade	2020	International Journal of Control and Automation	13	2	575	581	Science and Engineering Research Support Society	20054297
142	Kishore R., Dhinakaran V., Karthick G., Vijayakumar M.D.	Comparative analysis using finite element methods and traditional method of natural composite hybrid particulate coir polyester with fillers red mud and egg shell	2020	International Journal of Control and Automation	13	2	569	574	Science and Engineering Research Support Society	20054297
143	Senthil Kumar J., Ramesh Bapu B.R.	Experimental analysis of DI diesel engine using dual biofuel blended with diesel	2020	International Journal of Ambient Energy	41	4	431	434	Taylor and Francis Ltd.	1430750
144	Shanmuga Selvam P., Robin Yogaraj J., Solomon Paul Raj I.D., Dhinakaran V.	Fabrication and characterization of aluminium and carbon fiber laminate composite	2020	International Journal of Advanced Science and Technology	29	3	8602	8609	Science and Engineering Research Support Society	20054238
145	Dhinakaran V., Varsha Shree M., Raguraman D., Shanmuga Selvam P.	Analysis of pillion displacement during impact in mono-suspension bike	2020	International Journal of Advanced Science and Technology	29	3	8638	8646	Science and Engineering Research Support Society	20054238
146	Raguraman D., Dhanalakshmi B., Dhinakaran V., Vijayakumar M.D.	Adaptive ann-pso algorithm on tensile stress prediction for the dissimilar fsu butt joints of aa6061-az61 alloy	2020	International Journal of Advanced Science and Technology	29	3	8610	8619	Science and Engineering Research Support Society	20054238
147	Gokulakrishnan S., Ramesh Bapu B.R., Ravinder R., Karthik G.	Fabrication of polymer matrix reinforced composite by using bio waste materials	2020	International Journal of Advanced	29	3	8628	8637	Science and Engineering Research Support Society	20054238

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148	Dhinakaran V., Partheeban P., Ramesh R., Balamurali R., Dhanagopal R.	Behavior and Characteristic Changes of Generation Z Engineering Students	2020	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020			1434	1437	Institute of Electrical and Electronics Engineers Inc.	
149	Dhinakaran V., Partheeban P., Raguraman D., Shree M.V., Sai M.S.	Powering Sustainable Development Through the Integration of Teaching and Research in Engineering Education	2020	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020			1400	1402	Institute of Electrical and Electronics Engineers Inc.	
150	Vijayakumar M.D., Dhinakaran V., Dhanalakshmi B., Bupathi Ram P.M., Surendar K.	Nourishing Indian Economy-through Curriculum Change in Rural Schools	2020	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020			1403	1406	Institute of Electrical and Electronics Engineers Inc.	
151	Senthil kumar J., Ramesh Babu B.R., Gugan R.	Emission examination on nanoparticle blended diesel in constant speed diesel engine	2020	Petroleum Science and Technology	38	2	98	105	Taylor and Francis Inc.	10916466
152	Kumar J.L., Gurusamy P., Karthik S.H., Naveen R.	A novel design method for the conversion of air to water based on the 3D structure of Metal-Organic material	2020	Materials Today: Proceedings	37	Part 2	858	860	Elsevier Ltd	22147853
153	Ravi S., Gurusamy P.	Cryogenic machining of AISI p20 steel under liquid nitrogen cooling	2020	Materials Today: Proceedings	37	Part 2	806	809	Elsevier Ltd	22147853
154	Ravi S., Gurusamy P.	Studies on the effect of cryogenic machining of AISI D2 steel	2020	Materials Today: Proceedings	37	Part 2	2391	2395	Elsevier Ltd	22147853
155	Vinoth N., Mohanavel V., Kannappan A., Mohith K.	CFD modelling of carburetor with several valve positions	2020	Materials Today: Proceedings	37	Part 2	1535	1549	Elsevier Ltd	22147853

156	Navinkumar B., Parammasivam K.M., Rajendran S., Mohanavel V.	CFD analysis of horizontal axis wind turbine braking system using chordwise spacing	2020	Materials Today: Proceedings	37	Part 2	542	552	Elsevier Ltd	22147853
157	Mohanavel V., Kailasanathan C., Sathish T., Kannadhasan V., Marshal S.V.J., Sakthivel K.	Modeling and fabrication of automatic blackboard dust remover	2020	Materials Today: Proceedings	37	Part 2	527	530	Elsevier Ltd	22147853
158	Mohanavel V., Prasath S., Arunkumar M., Pradeep G.M., Babu S.S.	Modeling and stress analysis of aluminium alloy based composite pressure vessel through ANSYS software	2020	Materials Today: Proceedings	37	Part 2	1911	1916	Elsevier Ltd	22147853
159	Paranthaman V., Dhinakaran V., Shree M.V.	Optimization of CO2 welding process on dissimilar metals	2020	Materials Today: Proceedings	39		420	423	Elsevier Ltd	22147853
160	Vasudevan A., Kumar B.N., Depoures M.V., Maridurai T., Mohanavel V.	Tensile and flexural behaviour of glass fibre reinforced plastic - Aluminium hybrid laminate manufactured by vacuum resin transfer moulding technique (VARTM)	2020	Materials Today: Proceedings	37	Part 2	2132	2140	Elsevier Ltd	22147853
161	Ravi S., Sajin P.G., Kasir K.M., Kumar N., Balaji E.	Enhancing the combustion and emission parameters of a C.I engine operated with diesel-butanol-pea nut oil ternary blends	2020	Materials Today: Proceedings	37	Part 2	1394	1398	Elsevier Ltd	22147853
162	Ravi S., Gurusamy P.	Experimental investigation to study the performance of cryogenic cooling in end milling of AISI P20 steel	2020	Materials Today: Proceedings	37	Part 2	2170	2173	Elsevier Ltd	22147853
163	Muthu G., Thulasi S., Dhinakaran V., Mothilal T.	Performance of solar parabolic dish thermoelectric generator with PCM	2020	Materials Today: Proceedings	37	Part 2	929	933	Elsevier Ltd	22147853
164	Mohanavel V., Vijay K., Vigneswaran A., Srinath S., Gokulnath S.	Mechanical and tribological behaviour of AZ91/ZrSiO4 composites	2020	Materials Today: Proceedings	37	Part 2	1529	1534	Elsevier Ltd	22147853
165	Mohanavel V., Vairamuthu J., Jegan A., Sathish T., Rajesh K., Tamilselvam S.	Modelling and manufacturing of light weight materials based stretcher cum wheelchair	2020	Materials Today: Proceedings	37	Part 2	707	711	Elsevier Ltd	22147853

166	Ravi S., Gurusamy P.	Role of cryogenic machining: A sustainable manufacturing process	2020	Materials Today: Proceedings	37	Part 2	316	320	Elsevier Ltd	22147853
167	Raj K., Vasudevan A., Mohanavel V.	Fast fourier transform (FFT) analysis on different inter-ply configurations of glass/basalt/aramid/carbon hybridized composites for aircraft structures	2020	Materials Today: Proceedings	37	Part 2	2375	2381	Elsevier Ltd	22147853
168	Subash P., Nagendharan S., Gurusamy P., Kishore R.	Fatigue and vibrational analysis of composite plates based on curve fitting method	2020	Materials Today: Proceedings	37	Part 2	854	857	Elsevier Ltd	22147853
169	George J.S., Vasudevan A., Mohanavel V.	Vibration analysis of interply hybrid composite for an aircraft wing structure	2020	Materials Today: Proceedings	37	Part 2	2368	2374	Elsevier Ltd	22147853
170	Sathish T., Muthu G., Vijayakumar M.D., Dhinakaran V., Ram P.M.B.	Mechanical properties and microstructural analysis of friction stir processed AA6056-zirconium dioxide (ZrO ₂)	2020	Materials Today: Proceedings	37	Part 2	1804	1808	Elsevier Ltd	22147853
171	Mohanavel V., Sundar M., Pugazhendhi L., Ranganathan K.	Thermal and mechanical properties of titanium matrix composites synthesized through solid state technique	2020	Materials Today: Proceedings	37	Part 2	497	503	Elsevier Ltd	22147853
172	Ravi S., Gurusamy P.	Review of nanofluids as coolant in metal cutting operations	2020	Materials Today: Proceedings	37	Part 2	2387	2390	Elsevier Ltd	22147853
173	Paranthaman V., Dhinakaran V., Sai M.S., Devaraju A.	A systematic review of fatigue behaviour of laser welding titanium alloys	2020	Materials Today: Proceedings	39		520	523	Elsevier Ltd	22147853
174	Ravi S., Gurusamy P.	A comparative study on coated carbide inserts performance in cryogenic end milling of AISI D2 tool steel	2020	Materials Today: Proceedings	37	Part 2	1389	1393	Elsevier Ltd	22147853
175	Dhinakaran V., Vijayakumar M.D., Muthu G., Sathish T., Ram P.M.B.	Experimental investigation of hybrid fibre reinforced polymer composite material and its microstructure properties	2020	Materials Today: Proceedings	37	Part 2	1799	1803	Elsevier Ltd	22147853
176	Muthu G., Sathish T., Dhinakaran V.,	Performance enhancement and	2020	Materials Today: Proceedings	37	Part 2	1784	1789	Elsevier Ltd	22147853

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178	Vijayakumar M.D., Dhinakaran V., Sathish T., Muthu G., Ram P.M.B.	Experimental study of chemical composition of aluminium alloys	2020	Materials Today: Proceedings	37	Part 2	1790	1793	Elsevier Ltd	22147853
179	Mohanavel V., Ali K.S.A., Prasath S., Sathish T., Ravichandran M.	Microstructural and tribological characteristics of AA6351/Si3N4 composites manufactured by stir casting	2020	Journal of Materials Research and Technology	9	6	14662	14672	Elsevier Editora Ltda	22387854
180	Gurusamy P., Hari Krishna Raj S., Lokesh Kumar J., Thirupathiraja S., Nagendharan S.	Microstructure and temperature distribution of aluminium based composites using finite element analysis	2020	Materials Today: Proceedings	33		3330	3333	Elsevier Ltd	22147853
181	Sivaraj S., Nagendharan S., Mohanavel V.	Experimental investigation on wheel natural frequency performance using modal analysis in free and loaded condition	2020	Materials Today: Proceedings	33		3234	3242	Elsevier Ltd	22147853
182	Ravi S., Gurusamy P.	Experimental studies on the effect of LN2 cooling on the machining of tool steel	2020	Materials Today: Proceedings	33		3292	3296	Elsevier Ltd	22147853
183	Nagendharan S., Kishore R., Gurusamy P., Subash P.	Finite element analysis with experimental validation of crack initiation in valve housing	2020	Materials Today: Proceedings	33		3564	3569	Elsevier Ltd	22147853
184	Gurusamy P., Hari Krishna Raj S., Devarajan S., Dinesh Kumar S., Mahesh R., Subash P.	Finite element analysis and experimental study on the deformation characteristics of lock ring	2020	Materials Today: Proceedings	33		3208	3211	Elsevier Ltd	22147853
185	Kishore R., Gurusamy P., Nagendharan S., Subash P.	Optimal design and enhancement of drive shaft mechanism in automobiles	2020	Materials Today: Proceedings	33		3434	3437	Elsevier Ltd	22147853
186	Gurusamy P., Tamilselvan S., Saravanan S., Nantha Gopal D.	Experimental investigation of AA2014 alloy with reinforcement of fly ash and SiC hybrid composites by stir casting method	2020	Materials Today: Proceedings	33		3342	3346	Elsevier Ltd	22147853

187	Mohanavel V., Prasath S., Yoganandam K., Tesemma B.G., Suresh Kumar S.	Optimization of wear parameters of aluminium composites (AA7150/10 wt%WC) employing Taguchi approach	2020	Materials Today: Proceedings	33		4742	4745	Elsevier Ltd	22147853
188	Ravi S., Gurusamy P.	Experimental investigations on performance of TiN and TiAlN coated tools in cryogenic milling of AISI D2 hardened steel	2020	Materials Today: Proceedings	33		3612	3615	Elsevier Ltd	22147853
189	Yoganandam K., Mohanavel V., Vairamuthu J., Kannadhasan V.	Mechanical properties of titanium matrix composites fabricated via powder metallurgy method	2020	Materials Today: Proceedings	33		3243	3247	Elsevier Ltd	22147853
190	Ravi S., Gurusamy P.	Experimental investigation of cryogenic cooling on cutting force, surface roughness and tool wear in end milling of hardened AISI D3 steel using uncoated tool	2020	Materials Today: Proceedings	33		3314	3318	Elsevier Ltd	22147853
191	Mohanavel V., Vinoth T., Iyankumar R., Vinoth N.	Mechanical and corrosion behaviour of copper matrix composites fabricated by powder metallurgy process	2020	Materials Today: Proceedings	33		3394	3398	Elsevier Ltd	22147853
192	Ravi S., Mohanavel V., Dinesh D., Anuradha D.S.	Investigational explorations on operation and emission features of C.I engine supplemented by Methyl Propanol and CycloPentyl Ether mixtures	2020	Materials Today: Proceedings	33		3297	3302	Elsevier Ltd	22147853
193	Mohanavel V., Vijayakumar M.D.	Investigation on mechanical characterization of titanium matrix composites produced through powder metallurgy	2020	Materials Today: Proceedings	37	Part 2	310	315	Elsevier Ltd	22147853
194	Ali Z., Muthuraman V., Rathnakumar P., Gurusamy P., Nagaral M.	Investigation on the tribological properties of copper alloy reinforced with Gr/ZrO ₂ particulates by stir casting route	2020	Materials Today: Proceedings	33		3449	3453	Elsevier Ltd	22147853

195	Iyankumar R., Mohanavel V., Vinoth N., Vinoth T.	Modeling and assessment of pump impeller	2020	Materials Today: Proceedings	33		3226	3233	Elsevier Ltd	22147853
196	Nagasankar P., Gurusamy P., Gopinath S., Gnanaprakash K., Pradeep G.	Optimization of process parameters on engine exhaust valves using Taguchi method in friction welding process	2020	Materials Today: Proceedings	33		3212	3217	Elsevier Ltd	22147853
197	Nagabhooshanam N., Nishanth R., Leo Bright Singh R., Austin N., Mohanavel V.	Optimization of shrinkage porosity in AISi5Cu1Mg alloy using response surface methodology	2020	Materials Today: Proceedings	33		3072	3079	Elsevier Ltd	22147853
198	Ravi S., Gurusamy P., Mohanavel V.	A review and assessment of effect of cutting fluids	2020	Materials Today: Proceedings	37	Part 2	220	222	Elsevier Ltd	22147853
199	Mohanavel V., Yoganandam K., Naveen Kumar V., Chandrashekar A., Prasath S.	Evaluation of tribological behaviour of AA7178/Gr composites using Taguchi optimization technique	2020	Materials Today: Proceedings	33		4691	4695	Elsevier Ltd	22147853
200	Gurusamy P., Breever Asington C., Selvam K., Arun Kumar P.	Mechanical properties and dry sliding wear behaviour of Al2219 alloy reinforced with TiB2 composites by stir casting route	2020	Materials Today: Proceedings	33		3222	3225	Elsevier Ltd	22147853
201	Siva Nagu K., Yoganandam K., Mohanavel V., Deepak Joel Johnson R.	Mechanical properties of a natural fiber reinforced with polylactic acid - Review	2020	Materials Today: Proceedings	33		3061	3062	Elsevier Ltd	22147853
202	Gurusamy P., Thirupathiraja S., Raj S.H.K., Kumar J.L.	Experimental investigation and CFD analysis of inlet manifold in Internal combustion engine	2020	Materials Today: Proceedings	37	Part 2	840	843	Elsevier Ltd	22147853
203	Reddy R.A., Yoganandam K., Mohanavel V.	Effect of chemical treatment on natural fiber for use in fiber reinforced composites - Review	2020	Materials Today: Proceedings	33		2996	2999	Elsevier Ltd	22147853
204	Karthigairajan M., Nagarajan P.K., Raviraja Malarvannan R., Ramesh Babu B.R., Jayabalakrishnan D., Maridurai T., Shanmuganathan V.K.	Effect of Silane-Treated Rice Husk Derived Biosilica on Visco-Elastic, Thermal Conductivity and Hydrophobicity Behavior of Epoxy Biocomposite Coating for Air-Duct Application	2020	Silicon					Springer Science and Business Media B.V.	1876990X

205	Chalawadi D., Babu S.P.K., Dhinakaran V.	Experimental investigation of TIG welded additive manufactured inco-718 sheets	2020	Materials Research	23	2			Universidade Federal de Sao Carlos	15161439
206	Dhinakaran V., Vigneswari K., Lavanya M., Varsha Shree M.	Point-of-care applications with graphene in human life	2020	Comprehensive Analytical Chemistry	91		235	262	Elsevier B.V.	0166526X
207	Mohanavel V., Ravichandran M., Suresh Kumar S., Melwin Jagadeesh Sridhar M., Dineshkumar S., Pavithra M.M.	Microstructural and tribological characterization of Al/egg shell ash composites prepared by liquid metallurgy process	2020	Journal of the Balkan Tribological Association	26	2	309	317	Scibulcom Ltd.	13104772
208	Yoganandhan A., Subhash S.D., Hebison Jothi J., Mohanavel V.	Fundamentals and development of self-driving cars	2020	Materials Today: Proceedings	33		3303	3310	Elsevier Ltd	22147853
209	Veeman D., Shanmugam N.S., Sathish T., Petle V., Sriram G.	Experimental investigation of plasma arc welded Ti-6Al-4V sheets	2020	Transactions of the Canadian Society for Mechanical Engineering	44	3	471	480	Canadian Science Publishing	3158977
210	Nagesha B.K., Dhinakaran V., Varsha Shree M., Manoj Kumar K.P., Jagadeesha T.	A review on weldability of additive manufactured titanium alloys	2020	Materials Today: Proceedings	33		2964	2969	Elsevier Ltd	22147853
211	Dhinakaran V., Kumar K.P.M., Ram P.M.B., Ravichandran M., Vinayagamoorthy M.	A review on recent advancements in fused deposition modeling	2020	Materials Today: Proceedings	27		752	756	Elsevier Ltd	22147853
212	Dhinakaran V., Surendar K.V., Riyaz M.S.H., Ravichandran M.	Review on study of thermosetting and thermoplastic materials in the automated fiber placement process	2020	Materials Today: Proceedings	27		812	815	Elsevier Ltd	22147853
213	Dhinakaran V., Shriragav S.V., Fahmidha A.F.Y., Ravichandran M.	A review on the categorization of the welding process of pure titanium and its characterization	2020	Materials Today: Proceedings	27		742	747	Elsevier Ltd	22147853
214	Dhinakaran V., Gokhulabalan B., Rahul Kumar A., Ravichandran M.	Advancement in materials for industrial safety helmets	2020	Materials Today: Proceedings	27		777	782	Elsevier Ltd	22147853
215	Dhanasekaran A., Kumaraswamy S.	Study of pulsation pressures in the stages of an electric submersible	2020	Recent Patents on Mechanical Engineering	13	2	171	183	Bentham Science Publishers	1874477X

		pump at shut-off under various speeds of operation								
216	Dhinakaran V., Lavanya M., Vigneswari K., Ravichandran M., Vijayakumar M.D.	Review on exploration of graphene in diverse applications and its future horizon	2020	Materials Today: Proceedings	27		824	828	Elsevier Ltd	22147853
217	Vinoth N., Mohanavel V.	Analysis and comparison of aluminium matrix composite in pressure vessel	2020	International Journal on Emerging Technologies	11	3	278	280	Research Trend	9758364
218	Ramesh Babu B.R., Senthil kumar J., Shinde Y.N., Skaria D.A.	Emission investigation of VCR diesel engine by TiO ₂ nanocatalyst and Jamun biodiesel blended with diesel	2020	International Journal of Ambient Energy					Taylor and Francis Ltd.	1430750
219	Stalin B., Ravichandran M., Mohanavel V., Raj L.P.	Investigations into microstructure and mechanical properties of Mg-5wt. %Cu-TiB ₂ composites produced via powder metallurgy route	2020	Journal of Mining and Metallurgy, Section B: Metallurgy	56	1	99	108	Technical Faculty in Bor	14505339
220	Varsha Shree M., Dhinakaran V., Rajkumar V., Bupathi Ram P.M., Vijayakumar M.D., Sathish T.	Effect of 3D printing on supply chain management	2020	Materials Today: Proceedings	21		958	963	Elsevier Ltd	22147853
221	Dhinakaran V., Varsha Shree M., Jagadeesha T., Bupathi Ram P.M., Sathish T., Stalin B.	A review on the recent developments in modeling heat and material transfer characteristics during welding	2020	Materials Today: Proceedings	21		908	911	Elsevier Ltd	22147853
222	Swapna Sai M., Dhinakaran V., Manoj Kumar K.P., Rajkumar V., Stalin B., Sathish T.	A systematic review of effect of different welding process on mechanical properties of grade 5 titanium alloy	2020	Materials Today: Proceedings	21		948	953	Elsevier Ltd	22147853
223	Rajan K., Rajaram Narayanan M., Suresh Kumar S., Parthasarathi R., Mohanavel V.	A detailed study on improving the properties and performance aspects of biodiesel	2020	International Journal of Ambient Energy					Taylor and Francis Ltd.	1430750
224	Dhinakaran V., Ajith J., Fathima Yasin Fahmidha A., Jagadeesha T., Sathish T., Stalin B.	Wire Arc Additive Manufacturing (WAAM) process of nickel based superalloys-A review	2020	Materials Today: Proceedings	21		920	925	Elsevier Ltd	22147853

225	Nagesha B.K., Dhinakaran V., Varsha Shree M., Manoj Kumar K.P., Chalawadi D., Sathish T.	Review on characterization and impacts of the lattice structure in additive manufacturing	2020	Materials Today: Proceedings	21		916	919	Elsevier Ltd	22147853
226	Ramu S., Krishnakumar K., Shanmugasundaram A., Ramesh Babu B.R.	Formations of silicon carbide and epoxy matrix radiator: An experimental design, dimension and formulations	2019	International Journal of Engineering and Advanced Technology	9	1	1793	1796	Blue Eyes Intelligence Engineering and Sciences Publication	22498958
227	Yuvaraja S., Arunkumar G., Venu Sai B., Rajan P., Dhinakaran V.	Design and development of a compliant clutch fork using topology optimization	2019	International Journal of Innovative Technology and Exploring Engineering	8	11	3625	3629	Blue Eyes Intelligence Engineering and Sciences Publication	22783075
228	Senthil Kumar J., Ramesh Babu B.R., Ganesan S., Krishnan L.	Evaluation of performance and emission behaviour of DI diesel engine powered by biofuel	2019	International Journal of Ambient Energy	40	6	566	570	Taylor and Francis Ltd.	1430750
229	Kumar J.S., Babu B.R.R.	Comparision of performance and emission characteristics of dl diesel engine by using ajwain and cinnamon biodiesel blend with diesel	2019	Indian Journal of Environmental Protection	39	8	734	739	Scientific Publishers	2537141
230	Jayapriya J., Muruganandam D., Raguraman D., Senthilkumar B., Dhinakaran V.	Design and fabrication of multi-rotor horizontal axis wind turbine	2019	International Journal of Engineering and Advanced Technology	8	6	3500	3504	Blue Eyes Intelligence Engineering and Sciences Publication	22498958
231	Gunasekar P., Manigandan S., Gokulnath R., Venkatesh S., Rakesh Vimal M., Booma Devi P., Dhinakaran V.	Effect of carbon nanotubes on sheet molding composite analysis for automotive application: FEA method	2019	International Journal of Innovative Technology and Exploring Engineering	8	9	3363	3365	Blue Eyes Intelligence Engineering and Sciences Publication	22783075
232	Dhinakaran V., Patil R., Sriram G., Shanmugam N.S.	Studies on crack propogation in plasma arc welded Ti-6Al-4V joint during erichsen cupping test	2019	International Journal of Recent Technology and Engineering	8	1	79	83	Blue Eyes Intelligence Engineering and Sciences Publication	22773878
233	Gowda T., Jagadeesha T., Dhinakaran V.	Optimization of design parameters of aircraft wing structure with large cut outs using damage	2019	International Journal of Recent	8	1	128	132	Blue Eyes Intelligence Engineering	22773878

		tolerant design and finite element analysis approach		Technology and Engineering					and Sciences Publication	
234	Vijayakumar M.D., Gopalaramasubramaniyan G., Dhinakaran V.	Microstructural investigation of is513cr3 by comparing with plain coolant, ice, Ln2 gas in single point incremental forming	2019	International Journal of Recent Technology and Engineering	8	1	57	62	Blue Eyes Intelligence Engineering and Sciences Publication	22773878
235	Dineshkumar S., Sriram S., Surendran R., Dhinakaran V.	Experimental investigation of tensile properties of Ti-6Al-4V alloy at elevated temperature	2019	International Journal of Recent Technology and Engineering	8	1	103	107	Blue Eyes Intelligence Engineering and Sciences Publication	22773878
236	Sriram G., Dhinakaran V., Jagadeesha T., Ramgopal R.	Finite element simulation of temperature distribution and residual stress in single bead on plate weld trial using double ellipsoidal heat source model	2019	International Journal of Recent Technology and Engineering	8	1	133	138	Blue Eyes Intelligence Engineering and Sciences Publication	22773878
237	Krishnamoorthi S., Dinesh D., Karthikeyan R., Manikandan G.	Heat treatment parameters to optimize hardness behavior of carbon steel using taguchi technique	2019	International Journal of Recent Technology and Engineering	8	1	10	14	Blue Eyes Intelligence Engineering and Sciences Publication	22773878
238	Kishore R., Karthick G., Vijayakumar M.D., Dhinakaran V.	Analysis of mechanical behaviour of natural filler and fiber based composite materials	2019	International Journal of Recent Technology and Engineering	8	1	117	121	Blue Eyes Intelligence Engineering and Sciences Publication	22773878
239	Dhinakaran V., Jagadeesha T.	Tribological characterization of electrolytic hard chrome & WC-CO coatings	2019	Materials Today: Proceedings	46		9176	9179	Elsevier Ltd	22147853
240	Arunkumar M., Dhinakaran V., Sivashanmugam N., Petley V.	Effect of plasma Arc welding on residual stress and distortion of thin titanium sheet	2019	Materials Research	22	6			Universidade Federal de Sao Carlos	15161439
241	Arumugam D., Sivasailam K.	Investigation of pressure pulsation in the stages of an electric submersible pump at best efficiency point under various speeds	2019	ASME-JSME-KSME 2019 8th Joint Fluids Engineering Conference, AJKFluids 2019	3B-2019				American Society of Mechanical Engineers (ASME)	

242	Senthil Kumar J., Ramesh Babu B.R., Sivasaravanan S., Prabhu M., Muthu Kumar S., Abubacker M.A.	Experimental studies on emission reduction in a DI diesel engine by using a nano catalyst coated catalytic converter	2019	International Journal of Ambient Energy					Taylor and Francis Ltd.	1430750
243	Anand K.T., Rajan A.J., Babu B.R.R.	Development of a method to compute the overall key performance index for a spinning mill to aid supply chain management	2019	Fibres and Textiles in Eastern Europe	27	6	20	26	Łukasiewicz Research Network - Institute of Biopolymers and Chemical Fibres	12303666
244	Senthil Kumar J., Ramesh Babu B.R.	Cerium oxide nano additive impact of VCR diesel engine characteristics by using Ginger grass oil blended with diesel	2019	International Journal of Ambient Energy					Taylor and Francis Ltd.	1430750
245	Dattatreya V., Ramesh Babu B.R., Durga Prasad B.	Study of combustion characteristics on single cylinder direct injection diesel engine with plasma and HVOF coated ceramic powders on piston crown	2019	Materials Today: Proceedings	16		621	628	Elsevier Ltd	22147853
246	Shanmugaselvam P., Sivaraj S., Subash P.	Investigating the wear and hardness of aluminium LM25 alloy reinforced with nano Al ₂ O ₃ and nano TiB ₂	2019	Materials Today: Proceedings	16		1130	1136	Elsevier Ltd	22147853
247	Kumar L.S., Babu B.R.R., Prakash R.	Consequences of exhaust gas temperature on emissions in CI engine fuelled with Calophyllum inophyllum methyl ester blends with diesel	2019	Progress in Industrial Ecology	13	3	252	263	Inderscience Publishers	14768917
248	Illyas S.M., Babu B.R.R., Rao V.V.S.	Experimental analysis of heat transfer and multi objective optimization of swirling jet impingement on a flat surface	2019	Journal of Applied Fluid Mechanics	12	3	803	817	Isfahan University of Technology	17353572
249	Ajay M., Kannan S., Prem Narayan P., Deepak Suresh Kumar R.	A Glance Through History of Automobile Industry and Current Market Study of Some of the Legendry Models in India	2019	Lecture Notes in Mechanical Engineering			433	441	Pleiades Publishing	21954356

250	Stephen Bernard S., Javeed Ahmed M., Dasaprakash J., Saroj Nitin M.R., Vivek S., Kannan G.K.	Friction and Wear Properties of Bio-Based Abrasive in a High-Friction Composite Material	2019	Lecture Notes in Mechanical Engineering			577	585	Pleiades Publishing	21954356
251	Sukumar T., Ramesh Bapu B.R., Durga Prasad B., Vijay Prithiv B.R.	Numerical Analysis and Design Optimization of Lip Seal Opening Pressure for Automotive Valves	2019	Lecture Notes in Mechanical Engineering			119	129	Pleiades Publishing	21954356
252	Sukumar T., Ramesh Bapu B.R., Durga Prasad D.	Numerical and Experimental Evaluation of Hyperelastic Material Parameters	2019	Lecture Notes in Mechanical Engineering			485	494	Pleiades Publishing	21954356
253	Mohamed Illyas S., Ramesh Bapu B.R., Venkata Subba Rao V.	Heat transfer and flow visualization of swirling impinging jet on flat surface using helicoid inserts	2018	Journal of Visualization	21	5	729	749	Springer Verlag	13438875
254	Stalin B., Ravichandran M., Arivukkarasan S., Mohanavel V.	Weight loss corrosion studies of aluminium-LM4 reinforced with alumina silicate (Al ₂ O ₃ SiO ₂) particulates composites in sodium chloride (NaCl) solution	2018	International Journal of Mechanical and Production Engineering Research and Development	2018	Special Issue	329	336	Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC)	22496890
255	Sathish T., Vijayakumar M.D., Krishnan Ayyangar A.	Design and Fabrication of Industrial Components Using 3D Printing	2018	Materials Today: Proceedings	5	6	14489	14498	Elsevier Ltd	22147853

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1	Gowthaman S., Tripathi P., Ariharan S., Ramkumar J., Balani K.	Water attenuation enhances tribological damage resistance in laser peened steel	2022	Materials Letters	308				Elsevier B.V.	0167577 X
2	Palaniyappan S., Annamalai V.E., Ashwinkumaran S., Thenmuhil D., Veeman D.	Utilization of abrasive industry waste as a substitute material for the production of fireclay brick	2022	Journal of Building Engineering	45				Elsevier Ltd	23527102
3	Gowthaman S., Jagadeesha T.	Comparative study on the critical effect of radial rake angle and machining parameters on the formation of vibration amplitude during end milling of Nimonic 263	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	4			Springer	2562499
4	Gowthaman S., Jagadeesha T., Dhinakaran V.	Influence of machining behavior on severe deformation and corrosion resistance of end milled Nimonic 263 alloy	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	4			Springer	2562499
5	Senthil T.S., Ramesh Babu S., Puviyarasan M., Dhinakaran V.	Mechanical and microstructural characterization of functionally graded Inconel 825 - SS316L fabricated using wire arc additive manufacturing	2021	Journal of Materials Research and Technology	15		661	669	Elsevier Editora Ltda	22387854

6	Antony Casmir Jayaseelan G., Anderson A., Manigandan S., Elfasakhany A., Dhinakaran V.	Effect of engine parameters, combustion and emission characteristics of diesel engine with dual fuel operation	2021	Fuel	302				Elsevier Ltd	162361
7	Sekar M., Praveenkumar T.R., Dhinakaran V., Gunasekar P., Pugazhendhi A.	Combustion and emission characteristics of diesel engine fueled with nanocatalyst and pyrolysis oil produced from the solid plastic waste using screw reactor	2021	Journal of Cleaner Production	318				Elsevier Ltd	9596526
8	Vishnupriyan J., Arumugam D., Kumar N.M., Chopra S.S., Partheeban P.	Multi-criteria decision analysis for optimal planning of desalination plant feasibility in different urban cities in India	2021	Journal of Cleaner Production	315				Elsevier Ltd	9596526
9	Danook S.H., Al-Bonsrulah H.A.Z., Hashim I., Veeman D.	Cfd simulation of a 3d solar chimney integrated with an axial turbine for power generation	2021	Energies	14	18			MDPI	19961073
10	Veeman D., Sai M.S., Rajkumar V., Ravichandran M., Manivannan S.	Graphene for Thermal Storage Applications: Characterization, Simulation and Modelling	2021	Journal of Electronic Materials	50	9	5090	5105	Springer	3615235
11	Arumugam D., Sivasailam K.	Eigen frequency analysis of diffuser casing of a multistage pump	2021	Sadhana - Academy Proceedings in Engineering Sciences	46	3			Springer	2562499
12	Jayabalakrishnan D., Saravanan K., Ravi S., Prabhu P., Maridurai T., Prakash V.R.A.	Fabrication and Characterization of Acrylonitrile Butadiene Rubber and Stitched E-Glass Fibre Tailored Nano-Silica Epoxy Resin Composite	2021	Silicon	13	8	2509	2517	Springer Science and Business Media B.V.	1876990 X
13	Arumugam D., Sivasailam K.	Experimental study of characteristics of pressure fluctuation in an electrical submersible pump under different flow rates and speeds using time and frequency domain	2021	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	6			Springer Science and Business Media Deutschland GmbH	16785878

14	Veerappan G., Ravichandran M., Meignanamoorthy M., Mohanavel V.	Characterization and Properties of Silicon Carbide Reinforced Ni-10Co-5Cr (Superalloy) Matrix Composite Produced Via Powder Metallurgy Route	2021	Silicon	13	4	973	984	Springer Science and Business Media B.V.	1876990 X
15	Dhamodharan D., Ghoderao P.P., Dhinakaran V., Mubarak S., Divakaran N., Byun H.-S.	A review on graphene oxide effect in energy storage devices	2021	Journal of Industrial and Engineering Chemistry					Korean Society of Industrial Engineering Chemistry	1226086 X
16	Jayabalakrishnan D., Prabhu P., Mohamed Iqbal S., Mugendiran V., Ravi S., Arun Prakash V.R.	Mechanical, dielectric, and hydrophobicity behavior of coconut shell biochar toughened Caryota urens natural fiber reinforced epoxy composite	2021	Polymer Composites					John Wiley and Sons Inc	2728397
17	Ganesamoorthy R., Meenakshi Reddy R., Raja T., Panda P.K., Dhoria S.H., Nasif O., Alfarraj S., Manikandan V., Jenish I.	Studies on Mechanical Properties of Kevlar/Napier Grass Fibers Reinforced with Polymer Matrix Hybrid Composite	2021	Advances in Materials Science and Engineering	2021				Hindawi Limited	16878434
18	Natrayan L., Ravichandran M., Veeman D., Sureshkumar P., Jagadeesha T., Suryanarayanan R., Mammo W.D.	Enhancement of Mechanical Properties on Novel Friction Stir Welded Al-Mg-Zn Alloy Joints Reinforced with Nano-SiC Particles	2021	Journal of Nanomaterials	2021				Hindawi Limited	16874110
19	Gurusamy P., Sathish T., Mohanavel V., Karthick A., Ravichandran M., Nasif O., Alfarraj S., Manikandan V., Prasath S.	Finite Element Analysis of Temperature Distribution and Stress Behavior of Squeeze Pressure Composites	2021	Advances in Materials Science and Engineering	2021				Hindawi Limited	16878434
20	Veeman D., Shree M.V., Sureshkumar P., Jagadeesha T.,	Sustainable Development of Carbon Nanocomposites: Synthesis and	2021	Journal of Nanomaterials	2021				Hindawi Limited	16874110

	Natrayan L., Ravichandran M., Paramasivam P.	Classification for Environmental Remediation							
21	Veeman D., Sai M.S., Sureshkumar P., Jagadeesha T., Natrayan L., Ravichandran M., Mammo W.D.	Additive Manufacturing of Biopolymers for Tissue Engineering and Regenerative Medicine: An Overview, Potential Applications, Advancements, and Trends	2021	International Journal of Polymer Science	2021			Hindawi Limited	16879422
22	Gowthaman S., Jagadeesha T., Dhinakaran V.	Comparative Study on the Effect of Temperature, Pressure and Grain Size on the Creep Behavior of Monolithic Titanium Aluminide Alloy through Molecular Dynamics Simulation	2021	Transactions of the Indian Institute of Metals				Springer	9722815
23	Kanimozhi B., kumar G., Alsehli M., Elfasakhany A., Veeman D., Balaji S., thiran T., Praveen Kumar T.R., Sekar M.	Effects of oxyhydrogen on the CI engine fueled with the biodiesel blends: A performance, combustion and emission characteristics study	2021	International Journal of Hydrogen Energy				Elsevier Ltd	3603199
24	Zhang K., Vijayakumar M.D., Jamal S.S., Natiq H., Rajagopal K., Jafari S., Hussain I.	A Novel Megastable Oscillator with a Strange Structure of Coexisting Attractors: Design, Analysis, and FPGA Implementation	2021	Complexity	2021			Hindawi Limited	10762787
25	Vijayakumar M.D., Jamal S.S., Ali Ali A.M., Rajagopal K., Jafari S., Hussain I.	Proposing and Dynamical Analysis of a Hyperjerk Piecewise Linear Chaotic System with Offset Boostable Variable and Hidden Attractors	2021	Complexity	2021			Hindawi Limited	10762787
26	Ravichandran M., Veerappan G., Dhinakaran V., Katiyar J.K.	Optimization of tribo-mechanical properties of boron carbide reinforced magnesium metal matrix composite	2021	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of				SAGE Publications Ltd	13506501

				Engineering Tribology						
27	Sangeetha M., Vasanthprabhu A., Sivaprakasam K., Nithya S., Dhinakaran V., Gunasekar P.	Surface roughness analysis for newly prepared CNT-coated metal matrix: RSM approach	2021	Applied Nanoscience (Switzerland)					Springer Science and Business Media Deutschland GmbH	21905509
28	Veeman D., Natiq H., Al-Saidi N.M.G., Rajagopal K., Jafari S., Hussain I.	A New Megastable Chaotic Oscillator with Blinking Oscillation terms	2021	Complexity	2021				Hindawi Limited	10762787
29	Ravi S., Saravanan K., Jayabalakrishnan D., Prabhu P., Suyamburajan V., Jayaseelan V., Mayakkannan A.V.	Silane Grafted Nanosilica and Aramid Fibre-Reinforced Epoxy Composite: DMA, Fatigue and Dynamic Loading Behaviour	2021	Silicon					Springer Science and Business Media B.V.	1876990 X
30	Paidar M., Ashraff Ali K.S., Ojo O.O., Mohanavel V., Vairamuthu J., Ravichandran M.	Diffusion brazing of Inconel 617 and 321 stainless steel by using AMS 4772 Ag interlayer	2021	Journal of Manufacturing Processes	61		383	395	Elsevier Ltd	15266125
31	Somasundaram S., Ramesh Babu B.R., Raj Jawahar R.	Tribological characteristics of n-(GO/WC-10Co-4Cr) HVOF coatings under biolubricant conditions	2021	Surface Engineering	37	1	91	100	Taylor and Francis Ltd.	2670844
32	Sukumar T., Ramesh Babu B.R., Durga Prasad B.	Numerical analysis and experimental evaluation of rubber boot design	2020	Engineering Failure Analysis	118				Elsevier Ltd	13506307
33	Sukumar T., Ramesh Babu B.R., Durga Prasad B.	Prediction of hyperelastic material sealing pressure using experimental and numerical analyses	2020	Journal of Elastomers and Plastics	52	8	717	727	SAGE Publications Ltd	952443
34	Babu B.R.R., Kayalvizhi S., Murugavalli S.	Two phase cooling with nano-fluid for highly dense electronic systems-on-chip – A pilot study	2020	Microelectronics Reliability	108				Elsevier Ltd	262714
35	Senthil kumar J., Ramesh Babu B.R., Gugan R.	Emission examination on nanoparticle blended	2020	Petroleum Science and Technology	38	2	98	105	Taylor and Francis Inc.	10916466

		diesel in constant speed diesel engine								
36	Mohanavel V., Ali K.S.A., Prasath S., Sathish T., Ravichandran M.	Microstructural and tribological characteristics of AA6351/Si3N4 composites manufactured by stir casting	2020	Journal of Materials Research and Technology	9	6	1466 2	1467 2	Elsevier Editora Ltda	22387854
37	Karthigairajan M., Nagarajan P.K., Raviraja Malarvannan R., Ramesh Babu B.R., Jayabalakrishnan D., Maridurai T., Shanmuganathan V.K.	Effect of Silane-Treated Rice Husk Derived Biosilica on Visco-Elastic, Thermal Conductivity and Hydrophobicity Behavior of Epoxy Biocomposite Coating for Air-Duct Application	2020	Silicon					Springer Science and Business Media B.V.	1876990 X
38	Chalawadi D., Babu S.P.K., Dhinakaran V.	Experimental investigation of TIG welded additive manufactured inco-718 sheets	2020	Materials Research	23	2			Universidade Federal de Sao Carlos	15161439
39	Veeman D., Shanmugam N.S., Sathish T., Petle V., Sriram G.	Experimental investigation of plasma arc welded Ti-6Al-4V sheets	2020	Transactions of the Canadian Society for Mechanical Engineering	44	3	471	480	Canadian Science Publishing	3158977
40	Stalin B., Ravichandran M., Mohanavel V., Raj L.P.	Investigations into microstructure and mechanical properties of Mg-5wt. %Cu-TiB2 composites produced via powder metallurgy route	2020	Journal of Mining and Metallurgy, Section B: Metallurgy	56	1	99	108	Technical Faculty in Bor	14505339
41	Arunkumar M., Dhinakaran V., Sivashanmugam N., Petley V.	Effect of plasma Arc welding on residual stress and distortion of thin titanium sheet	2019	Materials Research	22	6			Universidade Federal de Sao Carlos	15161439
42	Arumugam D., Sivasailam K.	Investigation of pressure pulsation in the stages of an electric submersible pump at best efficiency point under various speeds	2019	ASME-JSME-KSME 2019 8th Joint Fluids Engineering Conference, AJKFluids 2019	3B-2019				American Society of Mechanical Engineers (ASME)	
43	Anand K.T., Rajan A.J., Babu B.R.R.	Development of a method to compute the overall key performance index for a	2019	Fibres and Textiles in Eastern Europe	27	6	20	26	Łukasiewicz Research Network - Institute of	12303666

		spinning mill to aid supply chain management							Biopolymers and Chemical Fibres	
44	Kumar L.S., Bapu B.R.R., Prakash R.	Consequences of exhaust gas temperature on emissions in CI engine fuelled with Calophyllum inophyllum methyl ester blends with diesel	2019	Progress in Industrial Ecology	13	3	252	263	Inderscience Publishers	14768917
45	Illyas S.M., Bapu B.R.R., Rao V.V.S.	Experimental analysis of heat transfer and multi objective optimization of swirling jet impingement on a flat surface	2019	Journal of Applied Fluid Mechanics	12	3	803	817	Isfahan University of Technology	17353572
46	Mohamed Illyas S., Ramesh Bapu B.R., Venkata Subba Rao V.	Heat transfer and flow visualization of swirling impinging jet on flat surface using helicoid inserts	2018	Journal of Visualization	21	5	729	749	Springer Verlag	13438875