

KCG College of Technology
Department of Mechanical Engineering
Journal Publication Details – 2025

S. No	Author	Title	Journal	National / International	Year
1	Dr.S.Kaliappan	Advancements in Lightweight Composite Materials for Enhancing the Structural Integrity of Automotive Component	SAE Technical Paper 2025-01-5005	International	2025
2	Dr.S.Kaliappan	Performance Analysis of Graphene-Coated Heat Pipe Heat Exchangers for Automobile Exhaust Cooling and Purification	SAE Technical Paper 2025-01-5006	International	2025
3	Dr.S.Kaliappan	Characterization of Pearl Millet Husk Biosilica and Areca Microfibre toughened polyvinyl alcohol flexible food packaging composite	<i>J Aust Ceram Soc</i> (2025)	International	2025
4	Dr.S.Kaliappan	A Novel Approach for Integrating Virtual Reality in the Ergonomic Testing of Automotive Interior Designs	SAE Technical Paper 2024-01-5243	International	2025
5	Dr.S.Kaliappan	Utilizing High-Performance Thermoplastics to Improve Durability and Efficiency in Automotive Instrument Panels	SAE Technical Paper 2024-01-5245, 2025	International	2025
6	Dr.S.Kaliappan). Investigation of Concentrated Semi transparent Photovoltaic System for Hot and Humid Climatic Conditions	<i>International Journal of Photoenergy</i>	International	2025
7	Dr.S.Kaliappan	Effect of continuous fiber reinforcement on mechanical and tribological characteristics of cellulose and human hair fiber polymer composites	Results in Engineering, Volume 25, 2025	International	2025
8	Dr.S.Kaliappan	<i>Influence of heat treated Manihot Esculenta biosilica on friction stir welded AA 6065-Al₂O₃ metal matrix composite and microstructural, mechanical, and fatigue analysis</i>	Materials Research, 28, e20240473	International	2025

9	Dr.S.Kaliappan	Optimization of tensile and water absorption properties of biosilica dispersed cardanol oil blended PLA/PCL biocomposite for packaging applications	<i>J Aust Ceram Soc</i> (2025)	International	2025
10	Dr.S.Kaliappan	An integrated Artificial neural network technique to optimize the various parameters of Pineapple/SiO ₂ /epoxy-based nanocomposites under NaOH treatment	Results in Engineering, Volume 26, 2025	International	2025
11	Dr.S.Kaliappan	Optimized Energy Management in Renewable Energy Integrated Microgrids Using Pyramidal Dilation Attention Convolutional Neural Networks	<i>J. Environ. Nanotechnol</i>	International	2025
12	Dr.S.Kaliappan	Optimization of thermal efficiency in double pass solar air heating systems with emphasis on collector design parameters and operating conditions,	Results in Engineering, Volume 26, 2025	International	2025
13	Dr.S.Kaliappan	Enhanced tribological performance of AA6018 aluminium composites reinforced with copper chromate exploring ceramic-based strengthening mechanisms.	<i>J Aust Ceram Soc</i> (2025)	International	2025
14	Dr.S.Kaliappan	Mechanical, tribological, fatigue, and creep performance of AA 7075 composites reinforced with annealed and functionalized biosilica from red matta rice husk,	Surface Review and Letters,	International	2025
15	Dr.S.Kaliappan	Smart self-healing concrete infused with nanomaterials for sustainable construction and real-time structural monitoring.	Revista Matéria	International	2025
16	Dr.S.Kaliappan	Static and Dynamic Analysis of Sandwiched Silane Treated Aluminum Coated Glass Fabric and Pineapple Fibre/Granite Dust Polyester Composite	Fibers Polym (2025)	International	2025
17	Dr.S.Kaliappan	Sustainable EMI shielding in flexible PVA matrix using <i>Cymbopogon citratus</i> -derived ZnO nanoparticles and natural fiber hybridization	<i>J Mater Sci: Mater Electron</i> 36, 1524 (2025)	International	2025
18	Dr.S.Kaliappan	Experimental evaluation of a solar water heating system integrating thermal mass and phase change material for enhanced efficiency in residential applications	International Journal of Low-Carbon Technologies	International	2025

19	Dr.S.Kaliappan	Performance evaluation of PVA composites reinforced with macadamia shell-based silicon carbide and natural fibers for EMI shielding applications	<i>Polym. Bull.</i> (2025)	International	2025
20	Dr.S.Kaliappan	Eco-Friendly Synthesis of Chitosan-Ag Nanocomposites Using <i>Tabernaemontana divaricata</i> : A Multi-Scale Analysis of their Structural, Thermal, and Mechanical Properties	<i>Global NEST Journal</i> , 27(7).	International	2025
21	Dr.S.Kaliappan	Smart self-healing concrete infused with nanomaterials for sustainable construction and real-time structural monitoring	Revista Matéria.	International	2025
22	Dr.S.Kaliappan	Sustainable hybrid biocomposites using agricultural waste fillers and natural fibers for material recycling	<i>J Mater Cycles Waste Manag</i> (2025).	International	2025
23	Dr.S.Kaliappan	Surface-modified horsetail biosilica infused polyhydroxyalkanoate additively printed composite: mechanical, tribological and flammability properties.	<i>Int J Adv Manuf Technol</i> (2025).	International	2025
24	Dr.S.Kaliappan	Sustainable Synthesis of Biosilica Nanoparticles from Cassava Peels and Bamboo Fiber-reinforced Epoxy Composite and Analyse their Performances.	Silicon (2025).	International	2025
25	Dr.S.Kaliappan	High-temperature-resistant vinyl ester composites enhanced by fumed silica and rockwool: thermal and mechanical insights	<i>J Therm Anal Calorim</i> (2025).	International	2025

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1	Dr.Kaliappan	Evaluating mechanical, thermal, and water absorption properties of biocomposites with Opuntia cladode fiber and palm flower biochar for industrial applications.	Discov Appl Sci 6, 30 (2024).	International	2024
2	Dr.Kaliappan	Economic and life cycle cost analysis of building-integrated photovoltaic system for composite climatic conditions	Economic and life cycle cost analysis of building-integrated photovoltaic system for composite climatic conditions	International	2024
3	Dr.Kaliappan	Evaluating the Wear and Mechanical Properties of Cotton Fabrics for Women's Summer Clothing	<i>Engineering Proceedings</i>	International	2024
4	Dr.Kaliappan	Mechanical and Thermal Characteristics of Coir Powder-Filled Epoxy Composites for Industrial Application	<i>Engineering Proceedings</i> 61, no. 1: 13	International	2024
5	Dr.Kaliappan	Dynamic Mechanical and Thermal Properties of Polymer-Coated Jute Fibers for Enhanced Automotive Parts	SAE Technical Paper 2024-01-5019	International	2024
6	Dr.Kaliappan	Characterization of peanut husk-derived Si ₃ N ₄ basalt fiber-reinforced unsaturated polyester resin composites	Biomass Conv. Bioref	International	2024
7	Dr.Kaliappan	Isolation of biosilica from biomass waste <i>Setaria italica</i> husks and its reinforcement effect on banana fiber-epoxy composite	<i>Biomass Conv. Bioref</i>	International	2024
8	Dr.Kaliappan	Investigation on mechanical properties of the green	<i>Green Processing and Synthesis</i>	International	2024

		synthesis bamboo fiber/eggshell/coconut shell powder-based hybrid biocomposites under NaOH conditions			
9	Dr.Kaliappan	Thermal and Mechanical Properties of Abutilon indicum Fiber-Based Polyester Composites under Alkali Treatment for Automotive Sector	SAE Technical Paper 2024-01-5031	International	2024
10	Dr.Kaliappan	Effect of Stacking Sequence on Mechanical Properties of Bamboo/ Bagasse Composite Fiber for Automobile Seat Cushions and Upholstery Application	SAE Technical Paper 2024-01-5013, 2024	International	2024
11	Dr.Kaliappan	Analyzing the Moisture and Chemical Retention Behavior of Flax Fiber– Ceramic Hybrid Composites for Automotive Underbody Shields	SAE Technical Paper	International	2024
12	Dr.Kaliappan	Effectiveness of natural dye adsorption on ILSS and optical properties of bio synthesised TiO ₂ nano particles and reinforced with flax seed fiber/epoxy based hybrid composites	<i>Discov Appl Sci</i> 6 , 125 (2024)	International	2024
13	Dr.Kaliappan	Antibacterial and dynamical behaviour of silicon nanoparticles influenced sustainable waste flax fibre-reinforced epoxy composite for biomedical application	<i>Green Processing and Synthesis</i>	International	2024
14	Dr.Kaliappan	Eco-friendly zinc oxide nanoparticles from <i>Moringa oleifera</i> leaf extract for photocatalytic and antibacterial applications	<i>Clean Techn Environ Policy</i> (2024).	International	2024
15	Dr.Kaliappan	Prediction of groundwater contamination in an open landfill area using a novel hybrid clustering-based AI model	Environment Protection Engineering	International	2024
16	Dr.Kaliappan	Effectiveness of Thermal and Mechanical Properties of Jute Fibers under Different Chemical Treatment for Automotive Interior Trim	SAE Technical Paper	International	2024
17	Dr.Kaliappan	Optimizing Carbon Monoxide Emission Reduction Using Rice Husk Activated Carbon in Automobile Exhaust Systems	SAE Technical Paper 2024-01-5054	International	2024

18	Dr.Kaliappan	Effects of Injection Molding on Linum usitatissimum Fiber Polyvinyl Chloride Composites for Automotive Underbody Shields and Floor Trays	SAE Technical Paper 2024-01-5053	International	2024
19	Dr.Kaliappan	Optimizing Carbon Monoxide Emission Reduction Using Rice Husk Activated Carbon in Automobile Exhaust Systems	SAE Technical Paper 2024-01-5054	International	2024
20	Dr.Kaliappan	Effects of Injection Molding on Linum usitatissimum Fiber Polyvinyl Chloride Composites for Automotive Underbody Shields and Floor Trays	SAE Technical Paper 2024-01-5053	International	2024
21	Dr.Kaliappan	Surface Modification of Henequen Fibers with Catalyst for Improving Mechanical and Thermal Properties in Phenolic Composites for Automotive Uses	SAE Technical Paper 2024-01-5029, 2024	International	2024
22	Dr.Kaliappan	Extraction of Lignin from Fluorescent Perianths of Jack Fruit and it's Mechanical, Wear, Creep and Flammability Behaviour of Abaca-Polyester Composites	<i>Waste Biomass Valor</i> (2024)	International	2024
23	Dr.Kaliappan	Multiresponse optimization and network-based prediction modelling for the WEDM of AM60B biomedical material	<i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science.</i>	International	2024
24	Dr.Kaliappan	Influence of peanut husk derived heat-treated Si ₃ N ₄ on load bearing properties of basalt fibre-reinforced polyester composite	<i>J Aust Ceram Soc</i> (2024)	International	2024
25	Dr.Kaliappan	Dry and wet sliding, fatigue, creep and mechanical properties of AA-7475 metal matrix composite reinforced with Si ₂ N ₂ O from rice husk ash	<i>J Aust Ceram Soc</i> (2024).	International	2024
26	Arulprakasajothi M, et.al.	Optimizing heat transfer efficiency in electronic component cooling through fruit waste-derived phase change material.	Journal of Energy Storage,	International	Mar-24
17	B Rajasekaran, G Kumaresan, M Arulprakasajothi	Improving the performance of heat sinks through the integration of fins and the utilization of graphene-mixed latent heat energy storage	Thermal Science and Engineering Progress	International	Mar-24

18	M Arulprakasajothi	Augmentation of heat storage capacity of compact salinity gradient solar pond using dragon fruit extract coated magnesium powder and paraffin wax	Thermal Science and Engineering Progress	International	Mar-24
19	M Arulprakasajothi, et.al.	Optimizing heat transfer efficiency in electronic component cooling through fruit waste-derived phase change material	Journal of Energy Storage,	International	Mar-24
30	B.Rajasekaran, G Kumaresan, M Arulprakasajothi	Latent heat energy storage using nanomaterials as a heat sink for the prevention of thermal runaway: A study in conjugate heat dissipation	International Communications in Heat and Mass Transfer	International	Mar-24
31	Arulprakasajothi Mahalingam, et.al.		Thermal Science	International	2024
		Exploring thermal response in aluminum heat sinks with variable surface roughness for enhanced cooling		Q2	
32	A Saranya, M Arulprakasajothi, et.al.	A novel sol-gel assisted nanoporous TiO ₂ /PS electrode-based carbohydrate biosensor	Journal of Materials Science: Materials in Electronics	International	2024
				Q2	
33	Dr. M Arulprakasajothi	<u>Enhancing the summer efficiency of solar ponds through integration of paraffin wax and carbon soot nanoparticles</u>	Journal of Thermal Analysis and Calorimetry	International 1	Dec-24
34	Dr. M Arulprakasajothi	<u>Study on optimizing the energy gradient and temperature regulation of flat plate solar collectors with advanced hybrid nanofluids</u>	Journal of Thermal Analysis and Calorimetry	International 1	Sep-24
35	Dr. M Arulprakasajothi	<u>Expediting the bioactivity of zinc sulfide nanoparticles with copper oxide as a nanocomposite</u>	BMC chemistry	International 1	Oct-24
36	Dr. M Arulprakasajothi	<u>Analysis of the thermal management of electronic equipment by employing silicon carbide nano-pcm-based heat sink</u>	Environmental Science and Pollution Research	International 1	Jul-24
37	N. Dhanush, S.A. Anoop, G. Arunamoorthy, S. Jesudass Thomas, V. Hariram	<u>Computational Fluid Dynamics Simulation for Aerodynamic Effects of Retractable Flaps on a Passenger Vehicle</u>	International Journal of vehicle structures and systems, Vol. 16, No. 1 (2024)	International	Jan-24
38	Dr. M Arulprakasajothi	<u>Optimization of fuel modification parameters for effective and environmentally-friendly energy from plant waste biodiesel</u>	Results in Engineering	International 1	Jun-24

39	Dr. M Arulprakasajothi	<u>The TLBO algorithm-based optimal heat transfer parameters prediction of Al₂O₃ water nanofluids in variable pitch corrugated tube heat exchanger</u>	Thermal Science	International 1	Jan-24
40	Dr. S Gopinath	Plastic pyrolytic oils as renewable fuel: improving its physical properties and ignition patterns by waste renewable source – an experimental analysis	Environmental Science and Pollution Research	International Q1	Mar-24
41	M. Vignesh Kumar et.al.	Processing and Characteristics Evaluation of Polyester Resin Nanocomposite Synthesized with Natural Fiber	Journal of The Institution of Engineers (India): Series D	International	March 2024
42	R. Venkatesh, M. Vignesh Kumar, et.al	Development of Low-Density Polyethylene Nanocomposite with CNT Fibre Via Injection Moulding: Performance Study.	Journal of The Institution of Engineers (India): Series D	International	Mar-24
43	Dr. V Gopal	, A New Two-Phase Design Process for a Compliant Mechanism Gripper	MECHANIKA (SCI Journal)	International 1	Oct-24
44	Mr. K Gobivel	Investigation into the End-Milling Parameters of Mg/B ₄ C Metal Matrix Composites	Engineering Proceedings, MDPI	International	Feb-24
45	Mr. K Gobivel	Effects of process parameters on drilling of Magnesium-reinforced with B ₄ C composite	Materials Today Proceeding's	International	Mar-24
46	Dr. D Easu	Experimental study of Vibration isolation using Electromagnetic damping	Mechanika	International	Apr-24
47	Dr. V Gopal	Fabrication and Performance of Aluminium alloy 6351-Zirconium Boride Particles in situ Composite of Erosive wear Properties	Journal of The Institution of Engineers (India): Series D	International	
48	Dr M Vignesh Kumar	Development of Low-Density Polyethylene Nanocomposite with CNT Fibre Via Injection Moulding: Performance Study	Journal of The Institution of Engineers (India): Series D	International	Mar-24
49	Dr M Vignesh Kumar	Processing and Characteristics Evaluation of Polyester Resin Nanocomposite Synthesized with Natural Fiber	Journal of The Institution of Engineers (India): Series D	International	11-Mar-24

50	Dr M Vignesh Kumar	Impact of Silicon Carbide Particle on the Behavior of Coir Fiber-Incorporated Polypropylene Hybrid Composite	Journal of The Institution of Engineers (India): Series D	International	April 2024
51	Dr. C Kailasanathan	Sustainable fiber extraction and determination of mechanical and wear properties of Borassus flabellifer sprout fiber-reinforced polymer composites	Journal of Biomass conversion and Biorefinery	International	Mar-24
52	Dr. M. Arulprakasajothi	Optimization of thermal photovoltaic hybrid solar dryer for drying peanuts”	Renewable Energy with Elsevier, SCI, Anna University Annexure I, Q1 Journal with Impact Factor: 9	International	Nov-24
53	Dr. M. Arulprakasajothi	“Performance investigation on PVT collector with cerium oxide nanofluids”	<u>Case Studies in Thermal Engineering, 63, 105234.</u> https://doi.org/10.1016/j.csite.2024.105234 IF: 6.4	International	Nov-24
54	Dr. S Kaliappan	“Influence of peanut husk derived heat-treated Si ₃ N ₄ on load bearing properties of basalt fibre-reinforced polyester composite”	Journal of the Australian Ceramic Society, Springer Nature which is available in Anna University Journal list/ SCOPUS/ Science Citation Index Expanded (SCIE)/UGC-CARE List (India) with Impact Factor 1.8, Q3 journal	International	Oct-24
55	Dr. M. Arulprakasajothi	“Superior thermal response of additive manufactured porous stainless steel with carbon nanotubes”	Applied Thermal Engineering, 256, 124061	International	Nov-24
56	Dr. M. Arulprakasajothi	“Optimization of thermal photovoltaic hybrid solar dryer for drying peanuts”	Renewable Energy, 235, 121312. https://doi.org	International	Oct-24

			/10.1016/j.rene ne.2024.121312 IF: 9.1		
57	Dr. M. Arulprakasajothi	"Enhancing the performance of photovoltaic-thermal collector using CNT-infused MgO nanofluids and natural additive"	Journal of Thermal Analysis and Calorimetry (2024). https://doi.org /10.1007/s1097 3-024-13530-9 IF:3.0	International	Oct- 24
58	Dr. G Prabakaran	"Enhancement of optical properties of anti-reflection coatings on solar PV cells through hybrid TiO ₂ -SiO ₂ Nanoparticles"	Iranian Journal of Chemistry and Chemical engineering. Annexure 1, Q3, Scopus, Impact factor - 1.9	International	Jul-24
59	Mr. I Manikandan	Predicting Wear Properties of Alloy 7090/SiC Nanoparticle Composites Using Artificial Neural Networks for aerospace application	E3S Web of Conferences	International	Aug- 24
60	Mr. I Manikandan	Experimental investigation on mechanical properties of Jute nano SiC and Nano carbon Hybrid polymer composite	E3S Web of Conferences	International	Aug- 24
61	Mr. L Ramesh Krishnan	Numerical Investigation of the Indoor Environmental Factors with Stratum and Underfloor Air Distribution Systems in an Educational Institute Computer Laboratory	ASME Journal of Thermal Science and Engineering Applications	International	Nov- 24

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S.No.	Author	Title	Journal	National/ International	Month & Year
1	Sairam C, Balaji S.G, Menon A.A, Manikandan I	Experimental Investigation on TIG Welded Copper B370 and Stainless Steel 434	International Journal of Vehicle Structures and Systems	International	Dec 2023
2	Karthikeyan K, Divine S.A, Jibin J, Thomas S.J	CFD Analysis of Air Intake Manifold System to Improve the Efficiency of Student Formula Car	International Journal of Vehicle Structures and Systems	International	Dec 2023
3	Andal V, Kennedy Z.E. et al.	Cobalt Ferrite Activated Carbon Nanocomposites for Effective Microwave Energy Absorption	International Journal of Vehicle Structures and Systems	International	Dec 2023
4	Jayabal R, Soundararajan G et al.	Study of the effects of bio-silica nanoparticle additives on the performance, combustion, and emission characteristics of biodiesel produced from waste fat	Scientific Reports	International	Nov 2023
5	Gobidass A, Kennedy E et al.	Improvement on Net Recovery of Slabs for Aluminium 5052 and 8150 Alloys	International Journal of Vehicle Structures and Systems	International	Dec 2023
6	Gobivel K, Vijaysekar K.S.	Assessment of Johnson-Cook material constitutive parameters in finite element simulation of machining Al-SiC metal matrix composite	Journal of the Brazilian Society of Mechanical Sciences and Engineering	International	Oct 2023
7	Kuppusamy V, Venkatesan H et al.	Effective utilization of cashew nut shell pyro oil blended	SN Applied Sciences	International	Sep 2023

		with optimum amount of Al ₂ O ₃ and TiO ₂ nanoparticles in DI engine			
8	Dakshnamoorthy E, Arjunan S et al.	Study on the influence of synthesized nano ferrite powder and micron ferrite powder on damping of a single degree of freedom system	Mechanika	International	Aug 2023
9	Dillibabu V, Gopinath S et al.	Effect of Operating Condition on Permanent Magnet Heating System	Lecture Notes in Mechanical Engineering	International	July 2023
9	Vignesh Kumar M, Harish R et al.	Modeling of Fine Korai Fiber Extraction Machine to Reduce user's Fatigue	Lecture Notes in Mechanical Engineering	International	July 2023
10	Arulprakasajothi M, Poyyamozhi N et al.	Experimental investigation of salinity gradient solar pond with nano-based phase change materials	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	International	May 2023
11	Vijay Sekar K.S, Gobivel K	Experimental and numerical investigations in the turning of 42CrMo alloy steel	Materials Today: Proceedings	International	Apr 2023
12	Charukesh S.; Gobivel K et al.	Understanding the process parameters on milling of Ti/B ₄ C metal matrix composite	Materials Today: Proceedings	International	Feb 2023
13	S. Gopinath	Physical and mechanical characterization of Al ₇₀ Si ₃₀ /Si ₃ N ₄ metal matrix composite prepared by stir casting technique	Materials Today: Proceedings	International	April 2023
14	S. Gopinath	Study of the effects of bio-silica nanoparticle additives on the performance, combustion, and emission characteristics of	Scientific Reports	International	Nov – 2023

		biodiesel produced from waste fat			
15	S.Gopinath	An investigation into enhancing energy storage capacity of solar ponds integrated with nanoparticles through PCM coupling and RSM optimization	Renewable Energy	International	Dec - 2023
16	M. Vignesh Kumar, R. Harish & Surya Bharath	Modeling of Fine Korai Fiber Extraction Machine to Reduce user's Fatigue	Lecture Notes in Mechanical Engineering - Springer	National	July 2023
17	K Gobivel	Assessment of Johnson-Cook material constitutive parameters in finite element simulation of machining Al-SiC metal matrix composite	Journal of the Brazilian Society of Mechanical Sciences and Engineering	International	Nov - 2023
18	S Gowthaman	Impact of Radial rake angle and machining constraints and the machining behavior and functionality of additive manufactured Inconel alloy	Engineering Research Express	International	Nov - 2023

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1	Gobivel K et al.	Influence of cutting parameters on end milling of magnesium alloy AZ31B	Materials Today: Proceedings	International	Apr 2022
2	Loganathan G, Kannan M	Optimized Production of Biodiesel Using Internet of Things Sensed Temperature with Hybrid Particle Swarm Optimization	Journal of Chemistry	International	Jan 2022
3	Vijay Sekar K.S, Gobivel K et al.	Cutting forces and tool wear studies on machining of Hastelloy X	Materials Today: Proceedings	International	Apr 2022
4	Gobivel K et al	Investigation on the effect of TiN and Al ₂ O ₃ coated tools in the Machining of Ti-6Al-4 V alloy	Materials Today: Proceedings	International	Apr 2022
5	Arunkumar S, Alphin M.S, Edward Kennedy Z et al.	Development Of A Co-Extruded Al-Ti Bimetal Composite; [Razvoj Koekstrudiranega Bimetalnega Al-Ti Kompozita]	Materiali in Tehnologije	International	Feb 2022
6	Ramachandran B, Yuvarai S, Bharat Kumar M.R,Raj S.S, Babu T.S, Kannan M	Assessment of Contact Parameters of Semi-Elliptical Soft Fingertips for Anthropomorphic Robotic Grippers	IEEE	International	Oct 2022
7	Ravindran S, Reeta Carolin L, Gopal V et al.	Influence of nano-TiC content on the properties of Al ₂₀₂₄ aluminium metal matrix composites	Materials Today: Proceedings	International	Aug 2022
8	Sarathbabu R.T, Kannan M et al.	Performance, Combustion, and Emission	Lecture Notes in Mechanical Engineering	International	Jan 2022

		Characteristics of Diesel Engine Using Low-Temperature Combustion			
9	Vignesh Kumar M.; Veerappan A.R.	Process factors optimisation for friction stir process of ZK 60 magnesium alloy employing Box Behnken approach	Advances in Materials and Processing Technologies	International	June 2022