

KIT- Kalaignarkarunanidhi Institute of Technology (An Autonomous Institution, Affiliated to Anna University Chennai)

Coimbatore-641402

Journal Publications Academic Year :2024-2025

Authors	Title	Journal
M.Sasi Kumar	Advancements in chemical modifications using	International Polymer
TVI.Susi Teamui	NaOH to explore the chemical, mechanical and thermal properties of natural fiber polymer composites (NFPC)	Processing
M.Sasi Kumar	Characterization and physicochemical properties of lignocellulosic fibers from Fishtail Palm (Caryota mitis) Leaf Stalks	Composites and Advanced Materials
M.Sasi Kumar	Improvement of physical, chemical, mechanical, and morphological properties of Luffa cylindrica fiber reinforcement composites using Java seed filler	Biomass Conversion and Biorefinery
M.Sasi Kumar & M.Bharathi	Examining the performance of eco-friendly flax fiber composites: mechanical, thermal and durability properties—review	Biomass Conversion and Biorefinery
Dr.M.Deepak	Experimental Analysis Of Enhanced Finite Set Model Predictive Control And Direct Torque control in SRM Drives For Torque Ripple Reduction	Scientific reports
Dr.M.Deepak	An Improved Finite Set Model Predictive Control Of SRM Drive Based On A Voltage Vector Strategy For Low Torque Ripple	Heliyon
Dr.K.Dineshkumar	Optimising rooftop photovoltaic adoption in urban landscapes: A system dynamics approach for sustainable energy transitions	Biomedical Signal Processing and Control
A.Vasantharaj	Enhanced lithium-ion battery state-of-charge estimation for Electric Vehicles using the AOA-DNN approach Electric Vehicles using the AOA-DNN approach	Wiley online
A.Vasantharaj	Integrating neural network-driven customization, scalability, and cloud computing for enhanced accuracy and responsiveness for social network modelling	Social Network Analysis and Mining
Suresh Vellingiri	Effect of graphene and bio silica extract from waste coconut shell and rye grass: aluminum silicon alloy hybrid composites for energy storage applications	Biomass Conversion and Biorefinery

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Suresh Vellingiri	Novel Approach to Monitoring the Surface	Journal of Materials
	Integrity of Aluminum 5052 Using Sound and	Engineering and
	Vibration Signals during Turning with Titanium-	Performance
	Coated Carbide Inserts	
Suresh Vellingiri	Effect of nanoparticles reinforcement of silicon	Materials Research Express
	dioxide derived from prosopis juliflora on Silver-	
	Grey magnesium nanocomposite: utilization of	
	silicon dioxide mechanical and tribological	
	properties	
Suresh Vellingiri	Mechanical, water absorption, efflorescence,	Revista Materia
_	soundness and morphological analysis of hybrid	
	brick composites	
Ramesh C,	Optimizing Performance of a Solar Flat Plate	Sustainality
Hariprasad P,	Collector for Sustainable Operation using Box-	,
Mohammed Al and	Behnken	
P. Manoj Kumar	Design (BBD)	
Suresh Vellingiri	Influence of mesquite derived SiO2 and	Materials Research
C	Graphene reinforcement on Magnesium-Silicon	
	alloy hybrid nanocomposites: Experimental,	
	mechanical and wear possessions analysis	
Suresh Vellingiri	Effective utilization of Bio-Silica(BS) extracted	Revista Materia
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	diboride(TiB2) in aluminum ADC 12 alloy:	
	Optimization of wear behavior using Taguchi	
	and Artificial Neural Network (ANN)	
Suresh Vellingiri	Mechanical and tribological analysis of c355	Surface review and letters
Suresii veimigiii	aluminum alloy/graphene oxide (go)/bio-silica	Surface review and retters
	(bs) hybrid nanocomposite	
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Suresh Vellingiri	Optimization of tribological behavior of	Revista Materia
	Aluminium (A356) composites using TGRA	
	technique	
M. Tamil Selvan, M.	Unveiling the untapped potential of Hibiscus	International Journal of
Ramesh	Rosa-sinensis lignocellulosic fiber: A	Biological Macromolecules
	multifaceted characterization for advancing	
	sustainable biocomposite applications	
M. Ramesh, K.	Additive manufacturing (3D printing)	e-Polymers
Niranjana, R.	technologies for fiber-reinforced polymer	
Bhoopathi, L.	composite materials: A review on fabrication	
Rajeshkumar	methods and process parameters	
A. Felix Sahayaraj,	Exploring the strength and durability of hemp	AIP Advances
K. Logesh, A. John	fiber reinforced moringa bioresin composites for	
Rajan, M. Ramesh,	skateboard applications	
S. Kannan, Jayant		
Giri, A. A. Alarfaj		
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M. Ramesh, D. Ravikanth, M. Tamil Selvan, A. Felix Sahayaraj, A. Saravanakumar	Extraction and characterization of Bougainvillea glabra fibers: A study on chemical, physical, mechanical and morphological properties	International Journal of Biological Macromolecules
M Ramesh, I Jenish, Tamil Selvan M, A Felix Sahayaraj	Characterizing Cryptostegia grandiflora stem fiber for reinforcing lightweight polymer composites: A comprehensive study of its physical, chemical, and thermal properties	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering
Kesavan Thiagarajan Sathish, Jaganathan Maniraj, Velliyan Subramanian Thangarasu, Arockiasamy Felix Sahayaraj, Selvaraj GaneshKumar	Strain-controlled thermomechanical fatigue testing of EN-GJL-250 for automotive brake disc application	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering
J Maniraj, Felix Sahayaraj, Jayant Giri, T Sathish, Mohammed Rafi Shaik	Enhancing performance of Prosopis juliflora fiber reinforced epoxy composites with silane treatment and Syzygium cumini filler	Journal of Materials Research and Technology
P. Prabhu	Study on the engineering properties of abaca/hemp/kenaf natural fiber mats reinforced with Anogeissus latifolia, polyester resin, and fly ash nano powder nanocomposites	Biomass Conversion and Biorefinery
P. Prabhu	Study on the Wear Behaviour of Aluminium foam Reinforced Glass Fibre Epoxy Composites.	Materiale Plastice
Saravanan Ravichandran, A. Felix sahayaraj	Microstructural analysis of AA8079 alloy sheets formed by friction stir incremental forming	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering
P. Prabhu	Characterization of vinyl silane-treated biomass cellulose and banana fiber on reinforced unsaturated polyester composite	Biomass Conversion and Biorefinery
P. Prabhu	Comparative analysis of tamarind shell biomass powder and roasted chickpeas powder in kenaf fiber reinforced vinyl ester composite	Biomass Conversion and Biorefinery

P. Prabhu	Dynamic Mechanical Analysis of Aegle Marmelos / Epoxy matrix Reinforced with Snake Grass Fibre Composite	Materiale Plastice
Arivumani Ravanan	Groundwater Modelling of Jamwa Ramgarh using Visual MODFlow Flex	Earth and Environmental Science
A. Felix Sahayaraj	An investigation of silver-nanoparticle-modified TiO2 substrates for photocatalytic oxidation in wastewater treatment	Nanotechnology and Precision Engineering
S.Sudhagar	Enhancing WEDM performance on Mg/FeCoCrNiMn HEA composites through ANN and entropy integrated COCOSO optimization	AIP Advances
A. Felix Sahayaraj	Exploring the mechanical and thermal characteristics of polypropylene composites with recycled polyester waste as sustainable reinforcement for enhanced protection in safety helmets head band	Progress in Rubber, Plastics and Recycling Technology
A. Felix Sahayaraj	Synthesis, Characterization, and Supercapacitor Performance of Fe-MOF Nanorods for Energy Storage Applications	Journal of Electronic Materials
A. Felix Sahayaraj	Navigating the nano-world future: Harnessing cellulose nanocrystals from green sources for sustainable innovation	Heliyon
A. Felix Sahayaraj	Synthesis and investigation of charge storage characteristics in Ni-MOF/PANI composite as an active electrode material for supercapacitor	Electrochimica Acta
A. Felix Sahayaraj	Synthesis and Characterization of rGO-Anchored MnO2 Nanorods and their Application in Supercapacitors as Electrode Material	Journal of Electronic Materials
A. Felix Sahayaraj	Quantitative Automated Detection of Voids, Pores, Cracks, and Fibre Orientation in Scanning Electron Microscopy Images Utilising Mask Convolutional Neural Networks (M-CNN) for Natural Fibre Composite Characterisation	Transactions of FAMENA
A. Felix Sahayaraj	Enhancing tribological properties of pump shafts through shot peening: a study of surface roughness, hardness and performance comparison with heat treatment	Materials Research Express
A. Felix Sahayaraj	Synthesis of hydroxyapatite (HAp) from eggshells via thermal decomposition method for the application of dye adsorption	Journal of the Indian Chemical Society

A. Felix Sahayaraj	Advancements in chemical modifications using NaOH to explore the chemical, mechanical and thermal properties of natural fiber polymer composites (NFPC)	International Polymer Processing
J Maniraj	Surface functionalization of born nitride and its effect on physicomechanical properties of polyaryletherketone composites	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering
A. Felix Sahayaraj, M Ramesh	Exploring the strength and durability of hemp fiber reinforced moringa bioresin composites for skateboard applications	AIP Advances
A. Felix Sahayaraj	Synthesis and Characterization of rGO- ZnO/Elwendia persica Seed Reinforced Hybrid Nanocomposite for High-Performance Supercapacitor Applications	Journal of Inorganic and Organometallic Polymers and Materials
A. Felix Sahayaraj, M Ramesh	Extraction and characterization of Bougainvillea glabra fibers: a study on chemical, physical, mechanical and morphological properties	International Journal of Biological Macromolecules
A. Felix Sahayaraj, P Hariprasad	Enhancing microstructural and mechanical properties of magnesium AZ31 matrix composites through friction stir processing incorporating silicon carbide, titanium carbide, and graphite particles	Materials Research Express
A. Felix Sahayaraj	Interlaminar tensile properties of raw and carbon fiber-wrapped additively manufactured polyetherimide	Polymer Engineering & Science
A. Felix Sahayaraj	Extraction of cellulose nanocrystals from Cissus quadrangularis for sustainable biocomposite production	Biomass Conversion and Biorefinery
A. Felix Sahayaraj	Synthesis of integrated reduced graphene oxide- polyaniline nanocomposite for enhanced supercapacitor performance	Polymer Composites
A. Felix Sahayaraj, M Ramesh	Extraction and characterization of novel fibers from Tecoma stans Linn bark for use as reinforcement in polymer composites	International Journal of Biological Macromolecules
A Felix Sahayaraj	Investigation on Electrical Discharge Machining Parameters of Aluminium7075/Boron Carbide/Titanium Diboride Hybrid Composites by Grey Relational Analysis	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences

A Felix Sahayaraj	Assessing the recycling potential of thermosetting polymer waste in high-density polyethylene composites for safety helmet applications	e-Polymers
J Maniraj	Strain-controlled thermomechanical fatigue testing of EN-GJL-250 for automotive brake disc application	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering
Arivumani Ravanan	Fatigue and Fractographic Analysis of Artificially Aged 2618 Wrought Aluminum Alloy	Transactions of the Indian Institute of Metals
M.Kannan	Environmental behaviour of synthetic and natural fibre reinforced composites: A review	Advances in Mechanical Engineering

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Authors	Title	Journal
Sivasankar G A	Building heating by solar parabolic through collector with metallic fined PCM for net zero	Case Studies in Thermal Engineering
	energy/emission buildings Sustainable nano-added biofuel production	Energy
Sivasankar G A	from lifer oil for conventional internal combustion engines	
Sivasankar G A	Effects of CuO/Al2O3/Water-WO3 nanomaterials on NETZERO energy/emission-based hydrogen generation	Fuel
B . Anand	Dynamic change analysis of water spread region and its impact assessment using spectral indices of	Environment, Development and sustainability
B . Anand	remotely sensed data Analysis of LULC change dyamics and its impact assesment using CA-ANN model in part of Coimbatore	Geo journal
Mr.A. Ajithkumar	Comparative assessment of indirect cabinet solar dryers in various operating modes versus direct cabinet dryers: A techno-economic analysis	Solar energy
L Rajeshkumar,	Synthesis and thermo-mechanical properties of	Journal of Materials
Manickam Ramesh, V Bhuvaneswari, D Balaji, C Deepa	bioplastics and biocomposites: A systematic review	Chemistry
P Shanmudanantham, C Deepa	A study on the sum of 'n+ 1'Consecutive Coral Numbers	Indian Journal of Science and Technology

C Doone M	Crowth spartal thormal and quantum shamical	Journal of Materials
C Deepa, M	Growth, spectral, thermal and quantum chemical	Science:
Anbuchezhiyan,	calculation of a nonlinear optical material N-	Materials in Electronics-
B Anusha	acetyl- L-leucine	
M '1 D 1 C		Springer US
Manickam Ramesh, C		Royal Society of Chemistry
Deepa	olitorius L.) fibres and their sustainable composite	
	materials:	
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Jayasheela M.	Skin cancer detection using dual optimization	Biomedical Signal
	based	Processing
Iovolaumon V	deep learning network	and Control
Jayakumar K	Breast cancer detection using Histopathology	Journal of Intelligent &
	Image with Mini-Batch Stochastic Gradient	Fuzzy Systems
	Descent and	
g: : G	Convolutional Neural Network	N. 1 . 1 . 1
Sivamani C	High performance enhancement mode GaN	Microelectronics Journal
	HEMTs using β-Ga2O3 buffer for power	
	switching and high	
	frequency applications: A simulation study	
Umapathi	Investigations on fitness behaviour of non-porous	SADHANA
Krishnamoorthy	and porous cardiovascular stent for percutaneous	
	transluminal angioplasty	
Umapathi	Investigation of active cell balancing performance	IET Power Electronics
Krishnamoorthy	for series connected lithium-ion cells in electric	
	vehicle applications	
Umapathi	Performance Analysis of Harmonic-Reduced	Inventions
Krishnamoorthy	Modified PUC Multi-Level Inverter Based on	
	an MPC Algorithm	
Umapathi	Performance optimized approximate multiplier	Microelectronics Reliability
Krishnamoorthy	architecture ST-AxM - based on statistical	
	analysis and static compensation	
Dr. S.Gayathri Devi	Preparation and Characterization of Magnetite-	Molecular Biotechnology
	Polyvinyl Alcohol Hybrid Nanoparticles (As-	
	PVA- MNPs) Using Acanthophora spicifera	
	Marine Algae Extract for Enhanced Antimicrobial	
	Activity Against Pathogenic Microorganisms	
Dr. B. S. Harish	Heterogeneous biocatalytic system for effective	3 Biotech
	decolorization of textile dye effluent	
Dr. B. S. Harish	Kinetics of dye decolorization using	Preparative Biochemistry
	heterogeneous catalytic system with immobilized	and Biotechnology
	Achromobacter xylosoxidans DDB6	
Dr.K.Mahalakshmi	"A Study on IOT based smart Irrigation System &	Mathematical Statistician
-	Weather forecasting Using ESP 8266"	and
		Engineering Applications

Analysis for heart disasse prediction using deep	International Journal of
	Industrial Engineering:
Hetwork	Theory, Applications and Practice
Retracing-efficient IoT model for identifying the	Intelligent Data Analysis
skin-related tags using automatic lumen detection	interngent Data 7 marysis
	Thermal Science
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Performance analysis of a flexible wearable	Frequenz
antenna with low SAR for biomedical application	
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	International Journal of
controlled SAR using metamaterial	Microwave and Wireless
Extraction and characterization of neval callulacies	Technologies 1
	Biomass Conversion and
	Biorefinery
potential remoteement in polymer composites	
Investigation of machanical and viscoalectic	Proceedings of the
-	Institution of Mechanical
	Engineers,
green composites for structural applications	Part E: Journal of Process
	Mechanical Engineering
Exploring the Potential of Nano Technology: A	Arabian Journal of
	Chemistry
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Enhanced honey badger optimization of	Energy & Environment
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solar collector integrated with PCM storage unit	
	A novel wearable monopole antenna with controlled SAR using metamaterial Extraction and characterization of novel cellulosic fiber from Jatropha integerrima plant stem for potential reinforcement in polymer composites Investigation of mechanical and viscoelastic properties of Agave cantala fiber-reinforced green composites for structural applications Exploring the Potential of Nano Technology: A Review of Nano-Scale Multi-Layered-Composite Coatings for Cutting Tool Performance Enhanced honey badger optimization of performance analysis of evacuated tube heat pipe

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V. Snowlin, H. Joy	Solar Assisted Removal of Methylene Blue Dye	Journal of Inorganic and
Prabu, A. Felix	from Wastewater Using Zinc-Metal Organic	Organometallic Polymers
Sahayaraj, I. Johnson,	Framework (Zn-MOF)	and Materials
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Thaninayagam, R. R.		
Gopi, J. Salamon &		
A. Simi		
Kode Srividya,	Design and analysis of wear parameters for	International Journal
S. Ravichandran,	epoxy based composite using RSM-box	on Interactive Design
M. Kumarasamy,	behnken optimization tool	and Manufacturing
Balachandra		(IJIDeM)
Pattanaik,		
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Felix Sahayaraj	A Comprehensive Review of Real-time	Pertanika Journal of Science
Arockiasamy,	Monitoring and Predictive Maintenance	and Technology
Indran	Techniques: Revolutionizing Natural Fibre	
Suyambulingam,	Composite Materials Maintenance with IoT	
Divya Iyyadurai	T	
Jenish, Sanjay		
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GR RAGHAV, R	Effect of cellulose nanofibers from red coconut	Cellulose Chemistry and
ASHOK KUMAR,	peduncle waste as a reinforcement in epoxy	Technology
KJ NAGARAJAN, C	composite sheets	Teemiology
VIGNESH, FELIX	composite sheets	
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Felix Sahayaraj	Tribological characterization of sponge gourd	e-Polymers
Arockiasamy, M	outer skin fiber-reinforced epoxy composite with	
Muthukrishnan,	Tamarindus indica seed filler addition using the	
Jenish I,	Box– Behnken method	
SKaliappan,	DOA Demiken method	
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Hock Tey, Ling S Wong, S Kayarohanam, SObaid, SAlfarraj, S Sivakumar Diwahar Periyasamy, Bharathi Manoharan, Felix Sahayaraj Arockiasamy, D Aravind, K Senthilkumar, N Rajini, Farid F Muhammed, Hamad A Al-Lohedan	Exploring the recycling potential of HDPE films reinforced with flax fiber for making sustainable decorative tiles	Journal of Materials Research and Technology
R Prem Kumar, M Muthukrishnan, A Felix Sahayaraj	Effect of hybridization on natural fiber reinforced polymer composite materials—A review	Polymer Composites
V Mani, K Krishnaswamy, FS Arockiasamy, TS Manickam	Mechanical and dielectric properties of Cissus Quadrangularis fiber-reinforced epoxy/TiB2 hybrid composites	International Polymer Processing
A Felix Sahayaraj, H Joy Prabu, J Maniraj, M Kannan, M Bharathi, P Diwahar, J Salamon	Metal–Organic Frameworks (MOFs): The Next Generation of Materials for Catalysis, Gas Storage, and Separation	Journal of Inorganic and Organometallic Polymers and Materials
Felix Sahayaraj A, Muthukrishnan M, Jenish I	Extraction and Characterization of Sponge Gourd Outer Skin Fiber	Journal of Natural Fibers
A Felix Sahayaraj	Revolutionizing energy storage: the rise of silicon- based solutions	Silicon
L Rajeshkumar, P Sathish Kumar, M Ramesh, M.R Sanjay, S Siengchin	Assessment of biodegradation of lignocellulosic fiber-based composites—A systematic review	International Journal of Biological Macromolecules
G Yuvaraj, M Ramesh, L Rajeshkumar	Carbon and Cellulose-Based Nanoparticle- Reinforced Polymer Nanocomposites: A Critical Review	Nanomaterials
G. Yuvaraj, M. Ramesh	Mechanical, wear, and hydrophobic properties of silane-treated corn husk fibre and betel nut epoxy composites	Biomass Conversion and Biorefinery

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Maniraj	Optimization of boriding process on AISI 1015	Matéria (Rio de Janeiro)
Jaganathan Surya	steel using response surface methodology	
Raj Gopala		
Krishnan, Prince		
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V.S.Thangarasu R.	Experimental investigation and machinability	JOURNAL OF
Vinothkumar, J. Manir	behavior on synthesized titanium composite	CERAMIC
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Paulraj Prabhu	Mechanical Properties, DMA and Structural	Materiale Plastice
	Analysis	
	of Cassia Auriculata/PLA Blended Hybrid bio	
	Matrix Composite	
R.Janani	Micro and Nano Plastics in food: Areview on the	Environmental Research
	strtegies for identification, isolation and mitigation	
	through photocatalysis and health risk Assessment	
R.Janani	A review on potential sulfide-based ternary	Environmental Science and
	chalcogenides for emerging photo assisted water	pollution Research
T. C. 1 1 1 1 1	purification applications	
V.Geethalakshmi	Spectroscopic ,microbial studies and in vitro	Indian Academy of Sciences
	anticancer activity of Pyridine Schiff base ligand	
V.Geethalakshmi	and its lanthanum complexes	Every an about all hyllatin
v.Geethalakshim	Sustainable solutions:Biotechnologys role in environmentak conservation	European chemical bulletin
M. Ramesh M. Tamil		Materials today
Selvan, P. Rama	An experimental investigation on the effect of	Waterials today
Chandran,P.	lithium and alkali resistant glass fiber on	
*	aluminum AA5383 fabricated by the stir-casting	
Hariprasad, A.	resistant glass fiber on aluminum AA5383	
Arunkumar, C. Ram	fabricated by the stir- casting process	
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Kumar	Experimental investigation of properties and aging	Epolymers
Booramurthy Dechan Jaconsthan	behavior of pineapple and sisal leaf hybrid fiber-	Epolymers
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M. Ramesh and	Processing and properties of jute (Corchorus	Journal of Materials
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С. Деера	L.) fibres and their sustainable composite	Chemistry A
	materials: a review	
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Manickam Ramesh,	Reinforced Polymer Nanocomposites: A Critical	
and	Review	
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Dr.R.Lal Raja Singh	Optimal planning and allocation of Plug-in Hybrid	PLOS ONE
	Electric Vehicles charging stations using a novel hybrid optimization technique	
Dr.Mary Linda	Piecewise Linear approximation for identifying wind power ramp events	Journal for Control, Measurements, Electronics, Computing and Communications
Dr.K.Dhineshkumar	Detection of ovarian follicles cancer cells using hybrid optimization technique with deep convolutional neural network classifier	Journal of Intelligent & Fuzzy Systems
Dr.S.Santhi	Performance analysis of triple-band miniaturized hexagonal ultra-wideband antenna for wireless body worn applications	Automatika
M. Ramesh M. Tamil Selvan,P. Rama Chandran,P. Hariprasad,A. Arunkumar,C. Ram Kumar,R. Prem Kumar	An experimental investigation on the effect of lithium and alkali resistant glass fiber on aluminum AA5383 fabricated by the stir-casting resistant glass fiber on aluminum AA5383 fabricated by the stir- casting process fiber on aluminum AA5383 fabricated by the stir-casting process	Materials today
Booramurthy Deeban, Jaganathan Maniraj*, and Manickam Ramesh	Experimental investigation of properties and aging behavior of pineapple and sisal leaf hybrid fiber-reinforced polymer composites	Epolymers
M Makeshkumar, J Anburaj, M Sasi Kumar and A Johnson Santhosh	Effect of zirconium and niobium on the microstructure and mechanical properties of high- strength low-alloy cast steels	Materials Research Express
Mani Sasi Kumar*, Selvaraj Sathish, Mani Makeshkumar and Sivanantham Gokulkumar	Experimental studies on water absorption and mechanical properties of Hibiscus sabdariffa (Roselle) and Urena lobata (Caesar weed) plant Fiber–Reinforced hybrid epoxy composites: effect of weight fraction of nano-graphene fillers	International Polymer Processing
Bharathi Manoharan	Exploring the recycling potential of HDPE films reinforced with flax fiber for making sustainable decorative tiles	Journal of Materials Research and Technology- Elsevier
Bharathi Manoharan	Recycling of thermoset waste/high-density polyethylene composites: Examining the thermal properties	Polymer composites

Academic year: 2022-2023

Authors	Title	Journal
K Niranjana	Thermal characterization and hygrothermal aging of lignocellulosic Agave Cantala fiber reinforced polylactide composites	Polymer Composites
M. Sasi Kumar	Effect of zirconium and niobium on the microstructure and mechanical properties of high-strength low-alloy cast steels	Materials Research Express
Sivasankar G A	Effects of CuO/Al2O3/Water-WO3nanomaterials on NETZERO energy/emission-based hydrogen generation	Fuel
Dr.M.Bharathi	Exploring the Recycling Potential of HDPE Films Reinforced with Flax Fiber for making Sustainable Decorative Tiles	Journal of materials research and technology
Dr.M.Bharathi	Metal–Organic Frameworks (MOFs): The Next Generation of Materials for Catalysis, Gas Storage, and Separation	Journal of Inorganic and Organometallic Polymers and Materials
Dr. K. Sampath Kumar	Tilt angle impact on strength, microstructure of friction stir welded AZ91CMg plates	Materials Science and Technology
Mr. M. Vimalraja	Mechanical and tribological characteristics of aluminium hybrid composites reinforced with boron carbide and titanium diboride	Ceramics-Silikáty
Dr. B Anand	Dynamic change analysis of water spread region and its impact assessment using spectral indices of remotely sensed data	Environment, Development and Sustainability
Dr.C.Deepa	Development and performance Evaluation of a New Energy Efficient Double Cluster Head Routing (EEDCR) Protocol for Wireless Sensor Networks	Hindawi-Wireless Communications and Mobile Computing
Dr. M. Jayasheela	An EEG-Based Thought Recognition Using Pseudo-Wigner–Kullback–Leibler Deep Neural Classification	Circuits, Systems, and Signal Processing

Dr. M. Jayasheela	A novel wearable monopole antenna with controlled SAR using metamaterial	International Journal of Microwave and Wireless Technologies
Dr. M. Jayasheela	Skin cancer detection using dual optimization based deep learning network	Biomedical Signal Processing and Control
Dr.K.Jayakumar	Removal of Salt and Pepper Noise Using Hybrid Adaptive Switching Median Filter with Ant Colony Optimization Technique in Nano Electronic Applications	Journal of Nanoelectronics and Optoelectronics
Dr.S.Gayathri Devi	Mycosynthesis of Zinc Oxide Nanoparticles Coated with Silver using Ganoderma lucidum (Curtis) P. Karst and Its Evaluation of In Vitro Antidiabetic and Anticancer Potential	Journal of Nanomaterials
Dr. B. S. Harish	Heterogenous biocatalytic system for effective decolourization of textile dye effluent	3 Biotech
Dr.S.Deepa	An Enhancement on Convolutional Artificial Intelligent Based Diagnosis for Skin Disease Using Nanotechnology Sensors	Hindawi - Computational Intelligence and Neuroscience
Dr.K.Ramasamy	Effect of SC parameters on material characteristics for AI 5083-based hybrid matrix composites using taguchi RSN technique	Hindawi
Dr.M.Geetha	Computerised gate firing control for 17-level mli using staircase pwm	Computer Systems Science and Engineering
Dr.E.Gomathi,M.Jay asheela, M.Thamarai, M.Geetha	Skin cancer detection using dual optimization based deep learning network	Bio medical signal Processing and control
S. Vijayakumar, Selvaraj Manickam, Suresh Seetharaman,T.V.Ja nardhana Rao, Devabalan Pounraj,and Hari Prasadarao Pydi	Examinations of Friction Stir-welded AA 6262/5456 Joints through the optimization Technique	Advances in Materials Science and Engineering

Bhiksha Gugulothu,P. Anusha,M. Naga Swapna Sri,S. Vijayakumar,R. Periyasamy,and Suresh Seetharaman	Optimization of Stir-Squeeze casting Parameters to Analyze the Mechanical Properties of Al7475/B4C/Al2O3/TiB2 Hybrid composites by the Taguchi Method	Advances in Materials Science and Engineering
J. Chitra, R. Lal Raja Singh, and R. Leena Rose	Charging Infrastructure facilitate a large- scale Introduction of electric vehicle in urban areas using hybrid technique: A RBFNN-SPOA approach	Energy & Environment
B. Shaji, R. Lal Raja Singh, K. L. Nisha	A Novel deep neural network based marine predator model for effective classification of big data from social Internet of things	Concurrency Computat Pract Exper
R.Lal Raja Singh	ANFIA-BCMO technique for energy management and consumption of energy forecasting in smart grid with Internet of things	Journal of Intelligent & Fuzzy Systems
B. Shaji,R. Lal Raja Singh &K. L. Nisha	High-performance fuzzy optimized deep convolutional neural network model for big data classification based on the social internet of things	The Journal of Super computing
R.Ragul,N.Shanmug asundaram,Mariaraja Paramasivam,Suresh Seetharaman and Sheela L.Mary Immaculate	PV Based Standalone DC-Micro Grid system for EV charging station with new GWO-ANFIS MPPTs under partial shading conditions	International Transactions on Electrical Energy systems
V. Kamalkumar and R. Lal Raja Singh	Optimum Transistor sizing of CMOS differential amplifier using Tunicate swarm Algorithm	Journal of circuits, Systems and Computers
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