

Journal Publications

Academic Year :2023-2024

Authors	Title	Journal
Sivasankar G A	Building heating by solar parabolic through collector with metallic fined PCM for net zero energy/emission buildings	Case Studies in Thermal Engineering
Sivasankar G A	Sustainable nano-added biofuel production from lifer oil for conventional internal combustion engines	Energy
Sivasankar G A	Effects of CuO/Al ₂ O ₃ /Water-WO ₃ 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 remotely sensed data	Environment , Development and sustainability
B . Anand	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, Manickam Ramesh, V Bhuvaneshwari, D Balaji, C Deepa	Synthesis and thermo-mechanical properties of bioplastics and biocomposites: A systematic review	Journal of Materials Chemistry
P Shanmudanantham, C Deepa	A study on the sum of 'n+ 1'Consecutive Coral Numbers	Indian Journal of Science and Technology
C Deepa, M Anbuezhian, B Anusha	Growth, spectral, thermal and quantum chemical calculation of a nonlinear optical material N-acetyl-L-leucine	Journal of Materials Science: Materials in Electronics- Springer US
Manickam Ramesh, C Deepa	Processing and properties of jute (Corchorus olitorius L.) fibres and their sustainable composite materials: A review	Royal Society of Chemistry
Jayasheela M.	Skin cancer detection using dual optimization based deep learning network	Biomedical Signal Processing and Control
Jayakumar K	Breast cancer detection using Histopathology Image with Mini-Batch Stochastic Gradient Descent and Convolutional Neural Network	Journal of Intelligent & Fuzzy Systems
Sivamani C	High performance enhancement mode GaN HEMTs using β -Ga ₂ O ₃ buffer for power switching and high frequency applications: A simulation study	Microelectronics Journal

Umapathi Krishnamoorthy	Investigations on fitness behaviour of non-porous and porous cardiovascular stent for percutaneous transluminal angioplasty	SADHANA
Umapathi Krishnamoorthy	Investigation of active cell balancing performance for series connected lithium-ion cells in electric vehicle applications	IET Power Electronics
Umapathi Krishnamoorthy	Performance Analysis of Harmonic-Reduced Modified PUC Multi-Level Inverter Based on an MPC Algorithm	Inventions
Umapathi Krishnamoorthy	Performance optimized approximate multiplier architecture ST-AxM - based on statistical analysis and static compensation	Microelectronics Reliability
Dr. S.Gayathri Devi	Preparation and Characterization of Magnetite-Polyvinyl Alcohol Hybrid Nanoparticles (As-PVA-MNPs) Using Acanthophora spicifera Marine Algae Extract for Enhanced Antimicrobial Activity Against Pathogenic Microorganisms	Molecular Biotechnology
Dr. B. S. Harish	Heterogeneous biocatalytic system for effective decolorization of textile dye effluent	3 Biotech
Dr. B. S. Harish	Kinetics of dye decolorization using heterogeneous catalytic system with immobilized Achromobacter xylosoxidans DDB6	Preparative Biochemistry and Biotechnology
Dr.K.Mahalakshmi	“A Study on IOT based smart Irrigation System & Weather forecasting Using ESP 8266”	Mathematical Statistician and Engineering Applications
Dr.C.Suresh	Analysis for heart disease prediction using deep neural Network and vgg_19 convolution neural network	International Journal of Industrial Engineering: Theory, Applications and Practice
Dr.C.Suresh	Retracing-efficient IoT model for identifying the skin-related tags using automatic lumen detection	Intelligent Data Analysis
Gowrishankar Raju, Surrya Prakash DilliBabu, Anu Tonk, Sathish Kumar Shanmugam	A Comparative Study for Enhancing Solar Still Performance and Efficiency throughPCM-Integrated Fin Design	Thermal Science
Ramasamy M. Kuppusamy and Sapna B. Abdulkareem	Performance analysis of a flexible wearable antenna with low SAR for biomedical application	Frequenz
K. Ramasamy, B. A. Sapna and M. Jayasheela	A novel wearable monopole antenna with controlled SAR using metamaterial	International Journal of Microwave and Wireless Technologies
A Felix Sahayaraj, M Tamil Selvan, I Jenish, M Ramesh	Extraction and characterization of novel cellulosic fiber from Jatropha integerrima plant stem for potential reinforcement in polymer composites	Biomass Conversion and Biorefinery
M Ramesh, M Tamil Selvan, A Felix Sahayaraj, I Jenish, P	Investigation of mechanical and viscoelastic properties of Agave cantala fiber-reinforced green composites for structural applications	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

Balakrishnan, Arivumani Ramanan		
Ganeshkumar S, Kumar A, Maniraj J, Babu YS, Ansu A, Goyal A, Kadhim IK, Saxena KK, Prakash C, Altuijri R, Khan MI	Exploring the Potential of Nano Technology: A Review of Nano-Scale Multi-Layered-Composite Coatings for Cutting Tool Performance	Arabian Journal of Chemistry
C Ramesh, M Vijayakumar, G Kumaresan, Benjamin Franklin Selvanayagam	Enhanced honey badger optimization of performance analysis of evacuated tube heat pipe solar collector integrated with PCM storage unit	Energy & Environment
V. Snowlin, H. Joy Prabu, A. Felix Sahayaraj, I. Johnson, Ebenezer Thaninayagam, R. R. Gopi, J. Salamon & A. Simi	Solar Assisted Removal of Methylene Blue Dye from Wastewater Using Zinc-Metal Organic Framework (Zn-MOF)	Journal of Inorganic and Organometallic Polymers and Materials
Kode Srividya, S. Ravichandran, M. Kumarasamy, Balachandra Pattanaik, Manjula Pattnaik, Ram Subbiah, P. Satishkumar	Design and analysis of wear parameters for epoxy based composite using RSM-box behnken optimization tool	International Journal on Interactive Design and Manufacturing (IJIDeM)
Felix Sahayaraj Arockiasamy, Indran Suyambulingam, Divya Iyyadurai Jenish, Sanjay Mavinkere Rangappa Divakaran, Suchart Siengchin	A Comprehensive Review of Real-time Monitoring and Predictive Maintenance Techniques: Revolutionizing Natural Fibre Composite Materials Maintenance with IoT	Pertanika Journal of Science and Technology
GR RAGHAV, R ASHOK KUMAR, KJ NAGARAJAN, C VIGNESH, FELIX SAHAYARAJ AROKIASAMY, EDI SYAFRI	Effect of cellulose nanofibers from red coconut peduncle waste as a reinforcement in epoxy composite sheets	Cellulose Chemistry and Technology
Felix Sahayaraj Arockiasamy, M Muthukrishnan, Jenish I, SKaliappan, Natrayan L, Sinouvassane D, Lai-	Tribological characterization of sponge gourd outer skin fiber-reinforced epoxy composite with Tamarindus indica seed filler addition using the Box– Behnken method	e-Polymers

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
Maniraj Jaganathan Surya Raj Gopala Krishnan , Prince Muthiah	Optimization of boriding process on AISI 1015 steel using response surface methodology	Matéria (Rio de Janeiro)
V.S.Thangarasu R. Vinothkumar,J.Manira j	Experimental investigation and machinability behavior on synthesized titanium composite	JOURNAL OF CERAMIC PROCESSING RESEARCH

Paulraj Prabhu	Mechanical Properties, DMA and Structural Analysis of Cassia Auriculata/PLA Blended Hybrid bio Matrix Composite	Materiale Plasticae
R.Janani	Micro and Nano Plastics in food: A review on the strategies for identification, isolation and mitigation through photocatalysis and health risk Assessment	Environmental Research
R.Janani	A review on potential sulfide-based ternary chalcogenides for emerging photo assisted water purification applications	Environmental Science and pollution Research
V.Geethalakshmi	Spectroscopic, microbial studies and in vitro anticancer activity of Pyridine Schiff base ligand and its lanthanum complexes	Indian Academy of Sciences
V.Geethalakshmi	Sustainable solutions: Biotechnology's role in environmental conservation	European chemical bulletin
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	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	Epolymer
M. Ramesh and C. Deepa	Processing and properties of jute (<i>Corchorus olitorius</i> L.) fibres and their sustainable composite materials: a review	Journal of Materials Chemistry A
Gopal Yuvaraj, Manickam Ramesh 2, and Lakshminarasimhan Rajeshkumar	Carbon and Cellulose-Based Nanoparticle-Reinforced Polymer Nanocomposites: A Critical Review	Nanomaterials
Dr.R.Lal Raja Singh	Optimal planning and allocation of Plug-in Hybrid Electric Vehicles charging stations using a novel hybrid optimization technique	PLOS ONE
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.	An experimental investigation on the effect of lithium and alkali resistant glass fiber on aluminum AA5383 fabricated by the stir-casting resistant glass	Materials today

Arunkumar,C. Ram Kumar,R. Prem Kumar	fiber on aluminum AA5383 fabricated by the stir-casting process	
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

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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/Al ₂ O ₃ /Water-WO ₃ nanomaterials 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
<u>J. Chitra, R. Lal Raja Singh, and R. Leena Rose</u>	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
G. Jayabaskaran, S. Suresh, B. Gopinath, and M. Geetha	Solar PV Combined Efficient Torque Control of BLDC Motor Using Salp Swarm Optimization	Electric Power Components and Systems
B. Gopinath, S. Suresh & M. Geetha	Solar Integrated Cascaded Topology of Multilevel Inverter Using Interval Type-2 Fuzzy Logic Controller	Electric Power Components and Systems
S.Rajasekaran,S.Suresh,A.Ramkumar,and K.Karthikeyan	A Novel solar photovoltaic integrated modified SEPIC high gain DC-DC converter using evolutionary algorithms for electric vehicle battery applications	Journal of Electrical Engineering & Technology
S.Rajasekaran,S.Suresh,K.Karthikeyan,and A.Bhuvanesh	Implementation of an A-Source DC-DC Boost combination Phase shifting full bridge converter for electric car rapid charging Applications	Journal of Electrical Engineering & Technology
Iyyadurai Jenish, A Felix Sahayaraj, M Appadurai, E Fantin Irudaya Raj, P Suresh	Sea Sand Abrasive Wear of Red Mud Micro Particle Reinforced Cissus quadrangularis Stem fiber/epoxy Composite	Journal of Natural Fibers
Arivumani Ramanan, Ilamathi Palanivel, Balamurugan Kulendran	Microstructure, Tensile, and Fractography Analysis of Al2016 and Al2618 Age Hardened Aluminium Alloys	CHIANG MAI JOURNAL OF SCIENCE
P Hariprasad, M Kannan, C Ramesh, A Felix Sahayaraj, I Jenish, Fayaz Hussain, Nidhal Ben Khedher, Attia Boudjemline, V Suresh	Mechanical and morphological studies of Sansevieria trifasciata fiber-reinforced polyester composites with the addition of SiO ₂ and B ₄ C	Advances in Materials Science and Engineering
R Premkumar, K Sathish Kumar, J Maniraj, A Felix Sahayaraj, I Jenish, Fayaz Hussain, Nidhal Ben Khedher, Walid Aich, V Suresh	Experimental studies on mechanical and thermal properties of polyester hybrid composites reinforced with Sansevieria trifasciata fibers	Advances in Materials Science and Engineering
C Ramesh, M Vijayakumar, Saad Alshahrani, G Navaneethakrishnan,	Performance enhancement of selective layer coated on solar absorber panel with reflector for water heater by response surface method: A case study	Case Studies in Thermal Engineering

R Palanisamy, L Natrayan, C Ahamed Saleel, Asif Afzal, Saboor Shaik, Hitesh Panchal		
A Felix Sahayaraj, M Muthukrishnan, M Ramesh	Influence of Tamarindus indica seed nano-powder on properties of Luffa cylindrica (L.) fruit waste fiber reinforced polymer composites	Polymer Composites
R Prem kumar, A Felix Sahayaraj, M Muthukrishnan	Experimental investigation on jute/snake grass/kenaf fiber reinforced novel hybrid composites with annona reticulata seed filler addition	Materials Research Express
M. Muthukrishnan and B. Ashok Kumar A. Felix Sahayaraj, I. Jenish, M. Tamilselvan	Mechanical and morphological characterization of sisal/kenaf/pineapple mat reinforced hybrid composites	International Polymer Processing
P Hariprasad, K Kumaresan, M Vijayakumar, G Kumaresan	Surface and Wear Investigation on Microwave Sintered Nitinol Composite	Materials Research
Ravichandran Saravanan, Rajenthirakumar Duraiswamy, Felix Sahayaraj Arockiasamy	Tool and formability multi-response optimization for ultimate strength and ductility of AA8011 during axial compression	Advances in Mechanical Engineering
GD Wenish, M Prince, J Maniraj	Characterization of induction hardened and tempered AISI 1045 steel	Matéria (Rio de Janeiro)
Jenish Iyyadurai, Felix Sahayaraj Arockiasamy, Tamilselvan Manickam, Srinivasan Rajaram, Indran Suyambulingam, Suchart Siengchin	Experimental Investigation on Mechanical, Thermal, Viscoelastic, Water Absorption, and Biodegradability Behavior of Sansevieria Ehrenbergii Fiber Reinforced Novel Polymeric Composite with the Addition of Coconut Shell Ash Powder	Journal of Inorganic and Organometallic Polymers and Materials
Tamilselvan Manickam, Jenish Iyyadurai, Maniraj Jaganathan, Ashokkumar Babuchellam, Muthukrishnan Mayakrishnan, Felix	Effect of stacking sequence on mechanical, water absorption, and biodegradable properties of novel hybrid composites for structural applications	International Polymer Processing

Sahayaraj Arockiasamy		
KT Sathish, J Maniraj, VS Thangarasu	Study of friction, wear and plastic deformation of automotive brake disc subjected to thermo-mechanical fatigue	Matéria (Rio de Janeiro)
A Felix Sahayaraj	Revolutionizing energy storage: the rise of silicon-based solutions	Silicon
Felix Sahayaraj A, Muthukrishnan M, Jenish I	Extraction and Characterization of Sponge Gourd Outer Skin Fiber	Journal of Natural Fibers
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
Jenish Iyyadurai, Felix Sahayaraj Arockiasamy, Tamil Selvan Manickam, Indran Suyambulingam, Suchart Siengchin, M Appadurai, E Raj	Revolutionizing Polymer Composites: Boosting Mechanical Strength, Thermal Stability, Water Resistance, and Sound Absorption of Cissus Quadrangularis Stem Fibers with Nano Silica	Silicon
Vijayakumar Mani, Kumaresan Krishnaswamy, Felix Sahayaraj Arockiasamy, Tamil Selvan Manickam	Mechanical and dielectric properties of Cissus Quadrangularis fiber-reinforced epoxy/TiB2 hybrid composites	International Polymer Processing
Diwahar Periyasamy, Bharathi Manoharan, Felix Sahayaraj Arockiasamy, D Aravind, K Senthilkumar, N Rajini, Faruq Mohammad, 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

M. Ramesh, Tamil Selvan M, A. Felix Sahayaraj, I. Jenish, P. Balakrishnan, Arivumani Ravanan	Investigation of Mechanical and Viscoelastic Properties of Agave cantala fiber-Reinforced Green Composites for Structural Applications	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering
R Prem kumar, A Felix Sahayaraj, M Muthukrishnan	Effect of hybridization on natural fiber reinforced polymer composite materials – A review	Polymer Composites
SRG Krishnan, P Muthiah, M Jaganathan	Optimization of boring process on AISI 1015 steel using response surface methodology	Matéria (Rio de Janeiro)
M. Ramesh, L. Rajeshkumar, G. Sasikala, D. Balaji, A. Saravanakumar, V. Bhuvanewari, R. Bhoopathi	A Critical Review on Wood-Based Polymer Composites: Processing, Properties, and Prospects	Recent Developments in Eco-Friendly Wood-Based Composites II)
M. Ramesh, L. Rajeshkumar, N. Srinivasan, D. Vasanth Kumar, D. Balaji	Influence of filler material on properties of fiber-reinforced polymer composites: A review	e-Polymers
M. Ramesh, L. Rajeshkumar, D. Balaji, V. Bhuvanewari	Sustainable and renewable nanobiocomposites for sensors and actuators: a review on preparation and performance	Current Analytical Chemistry
M. Ramesh, R. Janani, C. Deepa, L. Rajeshkumar	Nanotechnology-Enabled Biosensors: A Review of Fundamentals, Design Principles, Materials, and Applications	Biosensors
C. Deepa, L. Rajeshkumar, M. Ramesh	Preparation, synthesis, properties and characterization of graphene-based 2D nano-materials for biosensors and bioelectronics	Journal of Materials Research and Technology
M. Ramesh, M. Tamil Selvan, K. Niranjana	Thermal characterization and hygrothermal aging of lignocellulosic Agave Cantala fiber reinforced polylactide composites	Polymer Composites
M. Ramesh, M. Tamil Selvan, L. Rajeshkumar, C. Deepa, Awais Ahmad	Influence of Vachellia nilotica subsp. indica tree trunk bark nano-powder on properties of Milkweed plant fiber reinforced epoxy composites	Journal of Natural Fibers
L. Rajeshkumar, M. Ramesh, V. Bhuvanewari, D. Balaji	Carbon nano-materials (CNMs) derived from biomass for energy storage applications: a review	Carbon Letters

B. Deeban, J. Maniraj, M. Ramesh	Experimental investigation of properties and aging behavior of pineapple and sisal leaf hybrid fiber-reinforced polymer composites	e-Polymers
Dr. R. Janani	Nanotechnology-Enabled Biosensors: A Review of Fundamentals, Design Principles, Materials, and Applications	Biosensors
Dr. R. Janani	A review on potential sulfide-based ternary chalcogenides for emerging photo-assisted water purification applications	Environmental science and pollution research
Dr.Kalpana Devarajan	Strategic access in a Green IoT(Internet of Things) system with an unreliable server	Performance Evaluation

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Authors	Title	Journal
Dr.C.Sivamani	Analysis of DC and RF performance of Al _{0.31} Ga _{0.69} N/ Al _{0.1} Ga _{0.9} N/ β -Ga ₂ O ₃ double quantum well HEMT on silicon carbide substrate	The International Journal of RF and Microwave Computer-Aided Engineering
Dr.C.Sivamani	UWBG AlN/ β -Ga ₂ O ₃ HEMT on Silicon Carbide Substrate for Low Loss Portable Power Converters and RF Applications	Silicon
Dr.K.Mahalakshmi	A Timeline Optimization Approach of Green Requirement Engineering Framework for Efficient Categorized Natural Language Documents in Non-Functional Requirements	International Journal of Business Analytics
Dr.K.Mahalakshmi	Optimal frequency reuse scheme based on cuckoo search algorithm in Li-Fi fifthgeneration bidirectional communication	IET Communications
S. Jaya Prakash, · K. Mahalakshmi	Improved reversible data hiding scheme employing dual image-based least significant bit matching for secure image communication using style transfer	The Visual Computer

K.Mahalakshmi, UdayaKumar.A	Efcient Mobile Ad Hoc Route Maintenance Against Social Distances Using Attacker Detection Automation	Journal of Ambient Intelligence and Humanized Computing
Dr. J.Senthil Kumar	A Novel Tuberculosis Prediction Model by Extracting Radiological Features Present in Chest X-ray Images Using Modified Discrete Grey Wolf Optimizer Based Segmentation	Journal of Medical Imaging and Health Informatics
Dr.A.Parimalagandhi, Mr.E.Udayakumar	Nanotechnology-based sensitive biosensor for covid-19 prediction using fuzzy logic control	Journal of nanomaterials, Hindawi
Dr.E.Gomathi	Detection of sugarcane mosaic diseases using deep learning architecture to aviod annealing temperature of PCR primer in Laboratory testing	Traitement du signal
J. Arulvadivu, S. Manoharan, R. Lal Raja Singh, S. Giriprasad	Optimal design of proportional integral derivative acceleration controller for higher –order nonlinear time delay system using m-MBOA technique	International Journal of Numerical Modelling
L. Rajeshkumar A. Felix Sahayaraj, M. Muthukrishnan, M. Ramesh	Effect of hybridization on properties of tamarind (Tamarindus indica L.) seed nano-powder incorporated jute-hemp fibers reinforced epoxy composites	Polymer composites
I Jenish, A Felix Sahayaraj, M Appadurai, E Fantin Irudaya Raj, P Suresh, T Raja, Saleh H Salmen, Saleh Alfarraj, Velu Manikandan	Fabrication and experimental analysis of treated snake grass fiber reinforced with polyester composite	Advances in Materials Science and Engineering
M. Ramesh, L. Rajeshkumar, V. Bhuvaneshwari	Leaf fibres as reinforcements in green composites: a review on processing, properties and applications	Emergent Materials
M. Ramesh, L. Rajeshkumar, D. Balaji	Influence of Process Parameters on the Properties of Additively Manufactured Fiber-Reinforced Polymer Composite Materials: A Review	Journal of Materials Engineering and Performance

M. Ramesh, L. Rajeshkumar, R. Bhoopathi	Carbon substrates: a review on fabrication, properties and applications	Carbon Letters
Manickam Ramesh, Chinnaiyan Deepa, Lakshminarasimhan Rajeshkumar, Manickam Tamil Selvan, Devarajan Balaji	Influence of fiber surface treatment on the tribological properties of Calotropis gigantea plant fiber reinforced polymer composites	Polymer Composites
M. K. Gupta, M. Ramesh, S. Thomas	Effect of hybridization on properties of natural and synthetic fiber-reinforced polymer composites (2001–2020): A review	Polymer Composites
M. Ramesh, L. Rajeshkumar, G. Sasikala, D. Balaji, A. Saravanakumar, V. Bhuvaneswari, R. Bhoopathi	A Critical Review on Wood-Based Polymer Composites: Processing, Properties, and Prospects	
I Jenish, A Felix Sahayaraj, V Suresh, J Maniraj, M Appadurai, E Fantin Irudaya Raj, Omaima Nasif, Saleh Alfarraj, Ashok Kumar Kumaravel	Analysis of the hybrid of mudar/snake grass fiber-reinforced epoxy with nano-silica filler composite for structural application	Advances in Materials Science and Engineering
B Ashok Kumar, M Muthu Krishnan, A Felix Sahayaraj, Mohamad Reda A Refaai, G Yuvaraj, D Madhesh, Haiter Lenin Allasi	Characterization of the aluminium matrix composite reinforced with silicon nitride (AA6061/Si3N4) synthesized by the stir casting route	Advances in Materials Science and Engineering
A Felix Sahayaraj, M Muthukrishnan, M Ramesh	Experimental investigation on physical, mechanical, and thermal properties of jute and hemp fibers reinforced hybrid polylactic acid composites	Polymer Composites
A Felix Sahayaraj, M Muthukrishnan	Experimental investigation on the effect of fiber volume fraction of sponge gourd outer skin fiber reinforced epoxy composites	Polymer Composites