

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 113

List of Scopus Indexed Journal Publications

Calendar year: 2023

S.No	Authors	Title	Source title	Vol.	Issue	S. Page	E. Page	Year
1	Brinda B.M.; Rajan C.	Chronic Kidney Disease Diagnosis Using Conditional Variational Generative Adversarial Networks and Squirrel Search Algorithm	Information Technology and Control	52	4	1073	1086	2023
2	Senthilraja S.; Gangadevi R.; Kötén H.; Thangavel S.; Baskaran M.; Awad M.M.	Energy analysis of solar powered hydrogen production system with CuO/water nanofluids: An experimental investigation	Journal of King Saud University - Engineering Sciences	35	8	525	530	2023
3	Rajendran S.; Montecinos R.; Cisterna J.; Prabha K.; Rajendra Prasad K.J.; Palakurthi S.S.; Aljabali A.A.A.; Naikoo G.A.; Mishra V.; Acevedo R.; Sayin K.; Charbe N.B.; Tambuwala M.M.	Enhanced Method for the Synthesis and Comprehensive Characterization of 1-(4-Phenylquinolin-2-yl)propan-1-one	ACS Omega	8	46	43573	43585	2023
4	Mahadevan R.; Palanisamy S.; Sakthivel P.	Role of nanoparticles as oxidation catalyst in the treatment of textile wastewater: Fundamentals and recent advances	Sustainable Chemistry for the Environment	4				2023
5	Senthil Kumar K.; Anandamurugan S.	An power and bound-Aware optimised scheduler for virtualized cloud computing	Journal of Intelligent and Fuzzy Systems	45	5	8335	8348	2023
6	Ramya R.; Kumar P.	High-performance deep transfer learning model with batch normalization based on multiscale feature fusion for tomato plant disease identification and categorization	Environmental Research Communications	5	12			2023
7	Subburaayasaran A.S.; Jegan K.; Udhayakumar M.	Manufacturing methods and finishes applied on fire retardant fabrics	Asian Textile Journal	32	12	25	28	2023
8	Vetrithangam D.; Shruti P.; Arunadevi B.; Himabindu R.; Naresh Kumar P.; Ramesh Kumar A.	Optimum Feature Selection Based Breast Cancer Prediction Using Modified Logistic Regression Model	Journal of Theoretical and Applied Information Technology	101	8	2895	2908	2023
9	Yogesh R.; Santhosh P.; Rajkumar R.; Murugesan B.	A review of textile preforms depending upon structures in composites	Asian Textile Journal	32	03-Apr	25	34	2023
10	Jayasurya B.R.; Swathy J.S.; Susha D.; Sharma S.	Molecular Docking And Investigation Of Boswellia Serrata Phytocompounds As Cancer Therapeutics To Target Growth Factor Receptors: An In Silico Approach	International Journal of Applied Pharmaceutics	15	4	173	183	2023

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11	Murugan M.; Arthanarisamy M.; Subbaiyan R.; Alagumalai A.	Effect on DI-CI naturally aspirated engine influenced by biodiesel blends doped with green synthesized silver nanofuel additive	Environmental Progress and Sustainable Energy	42	2			2023
12	Karthikeyan S.; Dhanakodi K.; Surendhiran S.; Vanasundari K.; Arunraja L.; Rajamanickam A.T.	Unveiling the photocatalytic property of La₂O₃-CuO nanocomposites for organic pollutants in wastewater treatment	Journal of the Indian Chemical Society	100	11			2023
13	Aruchamy K.; Palaniappan S.K.; Lakshminarasimhan R.; Mysamy B.; Dharmalingam S.K.; Ross N.S.; Pavayee Subramani S.	An Experimental Study on Drilling Behavior of Silane-Treated Cotton/Bamboo Woven Hybrid Fiber Reinforced Epoxy Polymer Composites	Polymers	15	14			2023
14	Mohanraj R.; Gnanamangai B.M.; Ramesh K.; Ponmurugan P.	Kinetic modelling and process optimization of textile effluent treatment with bacterial gamma polyglutamic acid	Journal of Environmental Biology	44	4	175	184	2023
15	Saha R.; Subramani K.; Dey S.; Sikdar S.; Incharoensakdi A.	Physicochemical properties of green synthesised ZnO nanoparticles and utilisation for treatment of breast cancer	Process Biochemistry	129		170	184	2023
16	Kandhasamy N.; Arumugam K.; Murugadoss G.; Venkatachalam R.	Hydrothermally distributed heterostructure Ni-Mo-S/rGO nanocomposite for supercapacitor application	Inorganic Chemistry Communications	155				2023
17	Madhavi S.; Praveen R.; Jagadish Kumar N.; Udhaya Sankar S.M.	Hybrid Grey PIPRECIA and Grey OCRA method-based dynamic multi-criteria decision-making model for mitigating non-cooperating node attacks in WSNs	Peer-to-Peer Networking and Applications	16	5	2607	2629	2023
18	Aruchamy K.; Mysamy B.; Palaniappan S.K.; Subramani S.P.; Velayutham T.; Rangappa S.M.; Siengchin S.	Influence of weave arrangements on mechanical characteristics of cotton and bamboo woven fabric reinforced composite laminates	Journal of Reinforced Plastics and Composites	42	15-16	776	789	2023
19	Madhavi S.; Santhosh N.C.; Rajkumar S.; Praveen R.	Pythagorean Fuzzy Sets-based VIKOR and TOPSIS-based multi-criteria decision-making model for mitigating resource deletion attacks in WSNs	Journal of Intelligent and Fuzzy Systems	44	6	9441	9459	2023
20	Susendiran P.; Srinithy T.; Premalatha C.	Review on natural fiber nonwoven geotextile	Asian Textile Journal	32	5	46	51	2023
21	Subbaiyan R.; Ganesan A.; Varadharajan V.	Bioprospecting and Exploration of the Natural Antifouling Approaches against Marine Foulers	Journal of Pure and Applied Microbiology	17	3	1374	1390	2023

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22	Manjunath A.; Anandakrishnan V.; Ramachandra S.; Parthiban K.; Sathish S.	Tribological analysis of wire additive manufactured Ti-6Al-4V by electron beam source	Jurnal Tribologi	36		86	98	2023
23	Shantharaman P.P.; Anandakrishnan V.; Sathish S.; Ravichandran M.; Naveenkumar R.; Jayasathyakawin S.; Rajesh S.	Investigations on the microstructure and properties of yttria and silicon carbide reinforced aluminium composites	Heliyon	9	4			2023
24	Vasudevan D.; Kumaravel A.; Murugesan A.; Mugil A.; Karthi B.; Kumar K.K.	Exfoliated carbon nitrides for corrosion prevention in radiators: temperature-dependent corrosion analysis	Digest Journal of Nanomaterials and Biostructures	18	3	985	994	2023
25	Killivalavan G.; Mathankumar M.; Murugesan B.	Conductive properties of polypyrrole and polyaniline filaments	Asian Textile Journal	32	5	52	55	2023
26	Ayyappadasan G.; Rubavathi S.; Kanimozli S.	Formulation and Evaluation of Polyherbal-Spirulina Based Conditioning and Antioxidant Shampoo	Research Journal of Pharmacy and Technology	16	5	2317	2321	2023
27	Subramani K.; Saha R.; Sivaramakrishnan R.; Incharoensakdi A.	Novel smart fiber/metal/chitosan composite as a filter for self-detoxifying photocatalytic wastewater remediation and biomedical applications	Environmental Research	236				2023
28	Kolandasamy M.; Mandal A.K.A.; Balasubramanian M.G.; Ponnusamy P.	Multifaceted plant growth-promoting traits of indigenous rhizospheric microbes against Phomopsis theae, a causal agent of stem canker in tea plants	World Journal of Microbiology and Biotechnology	39	9			2023
29	Barathkumar S.; Sabari Sree Aravind R.; Padmalatha D.; Murugesan B.	Electromagnetic radiation shielding clothing using metal filaments and textile materials	Asian Textile Journal	32	5	56	59	2023
30	Pradeep S.; Nirmaladevi P.	URS-Nets++ : unified dense residual networks with multi-headed attention layers for removal of EMI noise from CT images	Signal, Image and Video Processing	17	8	4405	4413	2023
31	Thangavelu N.; Duraisamy S.K.; Devarajan V.	Influence of TiO2 thin film on critical heat flux and performance enhancement of pool boiling at atmospheric pressure	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	237	13	3073	3085	2023
32	Jayagopal V.; Elangovan M.; Singaram S.S.; Shanmugam K.B.; Subramaniam B.; Bhukya S.	Intrusion Detection System in Industrial Cyber-Physical System Using Clustered Federated Learning	SN Computer Science	4	5			2023

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33	Karthikeyan K.; Tamizharasan D.; Abdeljawad T.; Nisar K.S.	Wellposedness of impulsive functional abstract second-order differential equations with state-dependent delay	International Journal of Nonlinear Sciences and Numerical Simulation	24	4	1355	1368	2023
34	Budamagunta V.; Shameem N.; Irusappan S.; Paray J.A.; Thomas M.; Marimuthu S.; Kirubakaran R.; Arul Jothi K.N.; Sayyed R.Z.; Show P.L.	Nanovesicle and extracellular polymeric substance synthesis from the remediation of heavy metal ions from soil	Environmental Research	219				2023
35	Shanmugam B.K.; Arumugam K.; Srinivasan S.; Narayanasamy S.; Saravanan S.	A structural and phase influences the physico-chemical, in vitro bioactivity of alumina-zirconia nanoparticles loaded chitosan-sodium alginate scaffold for biomedical applications	Polymers for Advanced Technologies	34	8	2633	2645	2023
36	Thillaikkarasi D.; Karthikeyan S.; Ramesh R.; Sengodan P.; Malarvizhi M.; Kavitha D.; Nirmala V.	Facile synthesis of activated carbon and multiwalled carbon nanotubes and comparative performance of various AC-MWCNTs supercapacitor electrodes	Journal of Materials Science: Materials in Electronics	34	5			2023
37	Chackaravarthi G.; Alharbi N.S.; Mythili Gnanamangai B.; Ramachandran G.; Kanisha Chelliah C.; Rajivgandhi G.; Maruthupandy M.; Quero F.; Natesan M.; Li W.-J.	Anti-biofilm efficacy of marine actinomycete mediated zinc oxide nanoparticles increased the intracellular damages in biofilm forming K. pneumoniae	Journal of King Saud University - Science	35	4			2023
38	Karthikeyan S.; Dhanakodi K.; Surendhiran S.; Jagan K.S.G.; Lenin N.; Dhatchinamurthy L.; Rajamanickam A.T.	Sonochemical synthesis of Sn-doped La2O3 nanoparticles and its application for the photocatalytic degradation of hazardous pollutants	Journal of Materials Science: Materials in Electronics	34	14			2023
39	Prabha K.; Satheeshkumar R.; Aathi M.S.; Chandrasekar C.; Sukantha T.A.; Gnanamangai B.M.; Acevedo R.; Sayin K.; Prasad K.J.R.	Eaton's reagent is an alternative of PPA: Solvent free synthesis, molecular docking and ADME studies of new angular and linear carbazole based naphtho naphthyridines	Tetrahedron	135				2023
40	Kowsalya M.; Velmurugan T.; Mythili R.; Kim W.; Sudha K.G.; Ali S.; Kalpana B.; Ramalingam S.; Prasanna Rajeshkumar M.	Extraction and characterization of exopolysaccharides from Lactiplantibacillus plantarum strain PRK7 and PRK 11, and evaluation of their antioxidant, emulsion, and antibiofilm activities	International Journal of Biological Macromolecules	242				2023
41	Ramkumar M.; Alagarsamy M.; Balakumar A.; Pradeep S.	Ensemble classifier fostered detection of arrhythmia using ECG data	Medical and Biological Engineering and Computing	61	9	2453	2466	2023

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42	Shibu M.C.; Benoy M.D.; Kumar G.S.; Duraimurugan J.; Vasudevan V.; Shkir M.; AL-Otaibi O.	Hydrothermal-assisted synthesis and characterization of MWCNT/copper oxide nanocomposite for the photodegradation of methyl orange under direct sunlight	Diamond and Related Materials	134				2023
43	Shivaji K.; Sridharan K.; Kirubakaran D.D.; Velusamy J.; Emadian S.S.; Krishnamurthy S.; Devadoss A.; Nagarajan S.; Das S.; Pitchaimuthu S.	Biofunctionalized CdS Quantum Dots: A Case Study on Nanomaterial Toxicity in the Photocatalytic Wastewater Treatment Process	ACS Omega	8	22	19413	19424	2023
44	Pownraj C.; Karthik A.; Suresh S.; Arasu A.V.; Katiyar J.K.	Investigation of tribo-thermal properties of inter-mixed AYSZ nanoceramic composite/SAE20W40 nanolubricant	Journal of Thermal Analysis and Calorimetry	148	22	12411	12420	2023
45	Galgale S.; Zainab R.; Pradeep Kumar A.; Nithya M.; Susha D.; Sharma S.	Molecular Docking And Dynamic Simulation-Based Screening Identifies Inhibitors Of Targeted Sars-Cov-2 3Clpro And Human Ace2	International Journal of Applied Pharmaceutics	15	6	297	308	2023
46	Surendran R.; Kumaravel A.	Optimization of wear properties on LM24 aluminium alloy reinforced with nano alumina and graphite using response surface methodology	Journal of Ceramic Processing Research	24	5	899	906	2023
47	Madhavi S.; Udhaya Sankar S.M.; Praveen R.; Jagadish Kumar N.	A fuzzy COPRAS-based decision-making framework for mitigating the impact of vampire sensor nodes in wireless sensor nodes (WSNs)	International Journal of Information Technology (Singapore)	15	4	1859	1870	2023
48	Mahalakshmi K.; Kousalya K.	Machine Learning-Based Storage Integrity Auditing In Distributed Cloud Environment With Risk Assessment	Journal of Environmental Protection and Ecology	24	7	2279	2289	2023
49	Vishwajayarajan R.D.; Kuriakose R.; Devanand G.	Analysis of mechanism of weft insertion system by electromagnetic field	Asian Textile Journal	32	10-Nov	50	56	2023
50	Karthikeyan K.; Senthil Raja D.; Sundararajan P.	Existence Results For Abstract Fractional Integro Differential Equations	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis	30	2	109	119	2023
51	K B.; R D.; Sinha B.B.; R G.	Clock synchronization in industrial Internet of Things and potential works in precision time protocol: Review, challenges and future directions	International Journal of Cognitive Computing in Engineering	4		205	219	2023
52	Kandasamy K.; Surendhiran S.; Jagan K.S.G.; Kumar G.S.; Khadar Y.A.S.; Rajasingh P.	Green synthesis of CdS Quantum dots for photocatalytic and anti-corrosive applications in aqueous media	Applied Surface Science Advances	13				2023

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53	Kandasamy S.; Meenachi S.; Ohm Prakash K.; Kr S.K.; Thamaraikannan V.	Removal of chromium from tannery wastewater by rice husk ash nanosilica	Applied Research	2	5			2023
54	Mahendran A.; Kavitha C.; Sakthivel K.	A QoS BASED PROGRESSIVE LINK PREDICTION MATHEMATICAL APPROACH FOR DATA TRANSFER IN MANET	Journal of Theoretical and Applied Information Technology	101	2	995	1005	2023
55	Sundaram M.; Sengodan K.; Arumugam S.	Mathematical modeling and statistical approach in tannery wastewater treatment	Water Environment Research	95	3			2023
56	Subbaiyan R.; Ganesan A.	Modeling and optimization of antibacterial effect of lichen-associated bacteria, Bacillus subtilis KSRLAB3 strain against marine fouling bacteria, Vibrio alginolyticus	Biotechnology and Applied Biochemistry	70	5	1616	1628	2023
57	Arunachalam E.; Yogesh V.R.; Devanand G.	Natural fibres as composite material in automotive industry	Asian Textile Journal	32	6	37	43	2023
58	Subbaiyan R.; Ganesan A.; Sasikumar B.; Rajendran S.; Ramasubramanian B.	Synthesis and Characterization of Ferrous and Copper Nanoparticles from E-Waste Using Biological Reduction by Lichen-Associated Bacteria and Their Application in Antifouling Activity	Applied Biochemistry and Biotechnology	195	5	3142	3155	2023
59	Javed M.A.; Schwelm A.; Zamani-Noor N.; Salih R.; Silvestre Vañó M.; Wu J.; González García M.; Heick T.M.; Luo C.; Prakash P.; Pérez-López E.	The clubroot pathogen Plasmodiophora brassicae: A profile update	Molecular Plant Pathology	24	2	89	106	2023
60	Sajimon A.; Edakkadan A.S.; Subhash A.J.; Ramya M.	Incorporating oregano (Origanum vulgare L.) Essential oil onto whey protein concentrate based edible film towards sustainable active packaging	Journal of Food Science and Technology	60	9	2408	2422	2023
61	Ragupathi C.; Narayanan S.; Tamizhdurai P.; Sukantha T.A.; Ramalingam G.; Pachamuthu M.P.; Mangesh V.L.; Kumar N.S.; Al-Fatesh A.S.; Kasim S.O.	Correlation between the particle size, structural and photoluminescence spectra of nano NiCr2O4 and La doped NiCr2O4 materials	Heliyon	9	11			2023
62	Raqib Hussain A.; Elango M.K.	Optimal location of micro-phasor measurement units in distribution system control, monitoring, and protection using hybrid technique	Optimal Control Applications and Methods	44	5	2861	2882	2023

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63	Juliet Sheela K.; Suthanthira Kumar P.	Impact of VO²⁺ ions on the electron paramagnetic resonance and optical studies of Zn[CH₂NH₂COOH]SO₄ single crystal: an exploration of spin Hamiltonian and molecular orbital parameters	Applied Physics A: Materials Science and Processing	129	11			2023
64	Manikandan R.; Sadhasivam S.; Lee S.; Seung-Cheol Chang; Ashok Kumar K.; Bathula C.; Gopalan Sree V.; Young Kim D.; Sekar S.	Deep eutectic solvents assisted synthesis of AC-decorated NiO nanocomposites for hydrogen evolution reaction	Journal of Molecular Liquids	375				2023
65	Kandhasamy N.; Preethi L.K.; Mani D.; Walczak L.; Mathews T.; Venkatachalam R.	RGO nanosheet wrapped β-phase NiCu₂S nanorods for advanced supercapacitor applications	Environmental Science and Pollution Research	30	7	18546	18562	2023
66	Vasanthi Shanmugam S.; Palaniyandy N.; Arumugam K.; Venkatachalam R.	One pot green synthesis of few-layer graphene (FLG) by simple sonication of graphite and Azadirachta Indica resin in water for high-capacity and excellent cyclic behavior of rechargeable lithium-ion battery	Diamond and Related Materials	138				2023
67	Karthick M.; Surendhiran S.; Jagan K.S.G.; Savitha S.; Vidaarth T.M.N.; Balu K.S.; Jaganathan M.; Karthik A.; Kalpana B.	Synthesis and characterization of Araucaria columnaris leaf-mediated NiO nanoparticles for removal of pharmaceutical pollutants in municipal water bodies	Applied Physics A: Materials Science and Processing	129	9			2023
68	Jerophon N.; Rubavathi S.; Kalaivani K.; Ayyappadasan G.	Formulation And Evaluation Of Uv Resistant Property Of The Herbal Cream Using Cruciferous Vegetables Leaves	Carpathian Journal of Food Science and Technology	15	4	192	205	2023
69	Rajendran K.; Ponmurugan P.; Gnanamangai B.M.; Karuppiah P.; Shaik M.R.; Khan M.; Khan M.; Shaik B.	Bioefficacy of Lecanoric Acid Produced by Parmotrema austrosinense (Zahlbr.) Hale against Tea Fungal Pathogens	Horticulturae	9	6			2023
70	Kaladevi P.; Punitha V.V.; Muthusankar D.; Praveen R.	Breast cancer diagnosis using Orca predation optimization algorithm	Journal of Intelligent and Fuzzy Systems	45	3	3855	3873	2023
71	Senthil Kumar K.; Anandamurugan S.	An Energy and Deadline-Aware Scheduler with Hybrid Optimization in Virtualized Clouds	Journal of Electrical Engineering and Technology	18	6	4415	4424	2023
72	Thenmozhi R.B.; Suresh R.; Srividhya B.; Baskaran P.; Subramanian R.	Effect of Sugarcane Juice Stabilized Synthesis of Hydroxyapatite Nanoparticles, Characterization and Morphology Studies	Biointerface Research in Applied Chemistry	13	3			2023

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73	Anand Babu V.; Kumaravel A.; Manikandan R.	Microstructure, mechanical and wear characteristics of CeO₂-Mg metal matrix composites	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	237	2	430	440	2023
74	Jagan K.S.G.; Surendhiran S.; Savitha S.; Balu K.S.; Karthick M.; Naren Vidarth T.M.; Karthik A.; Kalpana B.; Senthilmurugan R.	Influence of different alkaline actuators in synthesis of NiO NPs: A comparative green approach on photocatalytic and in vitro biological activity	Inorganic Chemistry Communications	151				2023
75	Kathiresan K.; Suthanthirakumar P.; Mariyappan M.	A potential red-light-emitting Pr³⁺-doped novel silicate phosphors: Judd–Ofelt analysis and photoluminescence properties	Journal of Materials Science: Materials in Electronics	34	16			2023
76	Priyan S.R.; Kumar G.S.; Surendhiran S.; Shkir M.	Size-controlled synthesis of mesoporous silica nanoparticles using rice husk by microwave-assisted sol–gel method	International Journal of Applied Ceramic Technology	20	5	2807	2816	2023
77	Subburaayasaran A.S.; Hari S.B.; Infantmahimairaj A.	Antimicrobial finish on cotton fabric by using black turmeric	Asian Textile Journal	32	01-Feb	39	42	2023
78	Pradeep T.; Anandakumar S.; Sampathkumar V.; Mageshkumar P.	Gis-Based Analysis Of Rainfall Sustainability In Lower Noyyal Sub-Basin, Cauvery River, Tamil Nadu, India	Journal of Environmental Protection and Ecology	24	2	611	621	2023
79	Sekar S.; Sadhasivam S.; Nangai E.K.; Saravanan S.; Kim D.Y.; Lee S.	Enhanced Hydrogen Evolution Reaction Performances of Ultrathin CuBi₂O₄Nanoflakes	International Journal of Energy Research	2023				2023
80	Prasath B.; Akila M.; Mohan M.	A Comprehensive Survey on IoT-Aided Pest Detection and Classification in Agriculture Using Different Image Processing Techniques	International Journal of Image and Graphics					2023
81	Baskaran M.; Senthilraja S.; Sathish S.; Khan M.A.	Effect of Al₂O₃ water nanofluid quenching on the mechanical behaviour of the mild steel	Materials Today: Proceedings					2023
82	Ranganathan A.; Rangasamy B.	Heterogeneous Precision Agriculture With Improved Node Selection And Distributed Clustering Algorithm	Journal of Environmental Protection and Ecology	24	4	1440	1449	2023
83	Velumani M.; Mohanraj R.; Krishnasamy R.; Yuvaraj K.	Durability Evaluation of Cactus-infused M25 Grade Concrete as a Bio-admixture	Periodica Polytechnica Civil Engineering	67	4	1066	1079	2023
84	Gobinath G.N.; Ramesh S.	Assessment Of Geochemical Characteristics For Agricultural Land Use In Perundurai Taluk, Erode District, Tamilnadu, India	Carpathian Journal of Earth and Environmental Sciences	18	2	343	351	2023

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85	Velmurugan G.; Karunakaran P.; Sampath P.S.; Varahamoorthi R.	Experimental Study of Sugarcane Bagasse Fiber with Rice Husk and Wood Powder Polymer Matrix Composite	Journal of Natural Fibers	20	2			2023
86	Suganya Baby N.; Dhavamani M.; Kumaravel A.	A New Perspective for Solving the System of Differential Equations Describing Arm Race Model in Neutrosophic Environment	Mathematical Problems in Engineering	2023				2023
87	Senthil Raja D.; Sundararajan P.; Chalishajar D.N.; Karthikeyan K.	Existence of the classical and strong solutions for fractional impulsive semilinear integro differential equations	Nonlinear Studies	30	1	183	197	2023
88	Velumani M.; Nirmalkumar K.; Yuvaraj K.	Copper slag and high-strength concrete	Materials Today: Proceedings					2023
89	Pooja P.; Girija V.; Vidhya K.; Carmichael M.J.; Nithya B.; Sureshkumar M.P.	Beam-column joint: Structural behaviour using hybrid fibres	Materials Today: Proceedings	80		3189	3192	2023
90	Balasubramani G.; Thangavelu V.	Thermal Image Analysis of Photovoltaic Panel for Condition Monitoring Using Hybrid Thermal Pixel Counting Algorithm and XGBoost Classifier	Electric Power Components and Systems					2023
91	Murugesan B.; Dessie Wolela A.; Mahendragowda R.V.	Investigation on the Flammability and Washing Durability of Trevira CS and Its Blends with Cotton, Modal, and Acrylic Fabrics	Journal of Chemistry	2023				2023
92	Dhanalakshmi R.; Balakrishnan K.; Sinha B.B.; Gopalakrishnan R.	Tomato leaf disease identification by modified inception based sequential convolution neural networks	Imaging Science Journal	71	5	408	424	2023
93	Utchimuthu N.; Ramesh S.; Mageshkumar P.; Suresh M.	An Integrated Geophysics And Geoinformatics Approach To The Mapping Of Groundwater Potential Zones In Upper Noyyal River Basin, Tamil Nadu, India	Journal of Environmental Protection and Ecology	24	4	1493	1506	2023
94	Dharmalingam M.; Ponnusamy K.; Rajendiran T.; Murali L.	Vegetation Analysis Using Landsat 8 Based Estimates: Case Study Of A Vaniyar Irrigation Area, Pappireddipatti, Dharmapuri, Tamil Nadu, India	Journal of Environmental Protection and Ecology	24	2	600	610	2023
95	Abinesh T.; Vijayakumar K.; Sampath M.B.; Murugesan B.	Influence of plasma treatment on comfort properties of regenerated bamboo knitted fabric	Asian Textile Journal	32	01-Feb	24	27	2023

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96	Sathish S.; Aneesh S.; Naveen Vigneshwaran S.; Nithish Kumar E.K.; Ravichandran M.; Anaz Khan M.	Role of areca fibres on the mechanical behavior of natural fibre reinforced polymer composite	Materials Today: Proceedings					2023
97	Mohan M.; Akila M.; Prasath B.	A review of plant disease detection and classification methods	International Journal of Modelling and Simulation					2023
98	Kaladevi P.; Janakiraman S.; Ramalingam P.; Muthusankar D.	An improved ensemble classification-based secure two stage bagging pruning technique for guaranteeing privacy preservation of DNA sequences in electronic health records	Journal of Intelligent and Fuzzy Systems	44	1	149	166	2023
99	Premalatha C.; Kumar M.R.; Udaya Krithika S.M.; Prakash C.	Analysis of thermal comfort properties of tri-layer knitted fabrics	Journal of Natural Fibers	20	1			2023
100	Venkatesan R.; Sabari A.	DeepSentimodels: A Novel Hybrid Deep Learning Model for an Effective Analysis of Ensembled Sentiments in E-Commerce and S-Commerce Platforms	Cybernetics and Systems	54	4	526	549	2023
101	Senthilkumar R.; Balamurugan R.	Adaptive Fuzzy-Based SMC for Controlling Torque Ripples in Brushless DC Motor Drive Applications	Cybernetics and Systems	54	7	1132	1153	2023
102	Parthiban P.; Kar S.; Kumar Mondal A.; Gunasekar S.; Shaisundaram V.S.	Stress-strain behaviour of (hpfr) high-performance fibre reinforced concrete: An experimental study	Materials Today: Proceedings	80		3119	3123	2023
103	Karthikeyan S.; Dhanakodi K.; Surendhiran S.; Jagan K.S.G.; Thirunavukkarasu P.; Arunraja L.	Effect of synthesis parameters on the structural, morphological characteristics, and photocatalytic activity of La2O3 nanoparticles	Journal of the Indian Chemical Society	100	1			2023
104	Karthikeyan K.; Tamizharasan D.; Ege O.	Results on controllability and well-posedness of functional abstract second-order differential equations with state-dependent delay	Applicable Analysis	102	11	3185	3198	2023
105	Radha R.; Gopalakrishnan R.	Enhanced Feature Fusion Segmentation for Tumor Detection Using Intelligent Techniques	Intelligent Automation and Soft Computing	35	3	3113	3127	2023
106	Subbaiyan R.; Ganesan A.; Dhanuskodi S.	Ecolichenology of Eastern Ghats diversity against climatic fluctuations in Kolli Hills, India	Biodiversitas	24	1	625	635	2023
107	Muthukumar S.; Sureshkumar S.; El-Sapa S.; Chamkha A.J.	Impacts of uniform and sinusoidal heating in a nanofluid saturated porous chamber influenced by the thermal radiation and the magnetic field	Numerical Heat Transfer; Part A: Applications	84	5	488	506	2023

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No. of Articles: 113

List of Scopus Indexed Journal Publications

Calendar year: 2023

108	Jabar A.B.; Pradeep T.	ANN-PSO modelling for predicting buckling of self-compacting concrete column containing RHA properties	Revista Materia	28	2			2023
109	Manikandan T.R.; Thangavelu V.	Combined Economic and Emission Power Dispatch Control Using Substantial Augmented Transformative Algorithm	Intelligent Automation and Soft Computing	35	1	431	447	2023
110	Rakesh V.; Balamurugan R.	AI Topology based sensor fault diagnosis in induction motor drive	Journal of Intelligent and Fuzzy Systems	44	1	329	339	2023
111	Savitha S.; Surendhiran S.; Jagan K.S.G.; Karthik A.; Kalpana B.; Senthilmurugan R.	Evaluation of the physicochemical characteristics and photocatalytic activity of cobalt oxide nanoparticles derived from Moringa seed extract	Journal of Materials Science: Materials in Electronics	34	2			2023
112	Kolathupalayam Shanmugam B.; Murugan V.; Karthik A.; Rangaraj S.; Subramani K.; Srinivasan S.; Kandhasamy N.; Aicher W.K.; Rajendran V.	Silica incorporated chitosan-sodium alginate nanocomposite scaffolds for tissue engineering applications	International Journal of Polymeric Materials and Polymeric Biomaterials	72	7	537	549	2023
113	Kolathupalayam Shanmugam B.; Rajendran N.; Arumugam K.; Rangaraj S.; Subramani K.; Srinivasan S.; Nayagam L.; Aicher W.K.; Venkatachalam R.	Curcumin loaded gold nanoparticles–chitosan/sodium alginate nanocomposite for nanotheranostic applications	Journal of Biomaterials Science, Polymer Edition	34	7	875	892	2023