

K.S.R. College of Engineering - Tiruchengode
2023 - Publications

Authors	Title	Year	Source title	Link
Manivel M.; Kaliappan L.	DESIGN AND IMPLEMENTATION OF MODIFIED MULTILEVEL INVERTER FED BLDC MOTOR FOR ELECTRIC VEHICLE APPLICATION	2023	Comptes Rendus de L'Academie Bulgare des Sciences	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176452697&doi=10.7546%2fCRABS.2023.10.10&partnerID=40&md5=29c85135a13742c8898a006d8f064237
Porkodi M.; Prasanthni P.; Gibin S.R.; Vijayan D.S.; Gunasekar S.; Ganesh V.N.	Improvement of corrosion resistance of concrete element by using nanotechnology	2023	AIP Conference Proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152665977&doi=10.1063%2f5.0120073&partnerID=40&md5=510fb24de75917bebe24bde5b03748af
Gopalakrishnan D.; Padmanaban P.; Nithyanandam M.; Pichaipillai S.; Kaliyannan S.K.	Investigation on hybrid fiber reinforced concrete beam with basalt and polyester fiber	2023	AIP Conference Proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166568887&doi=10.1063%2f5.0154375&partnerID=40&md5=7b9601c00c443017f8c37176736763e6
Pichaipillai S.; Nithyanandam M.; Kaliyannan S.K.; Gopalakrishnan D.; Padmanaban P.	Strength attributes of clay and coconut shell as a partial substitute for cement and coarse aggregate in concrete	2023	AIP Conference Proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166524669&doi=10.1063%2f5.0154411&partnerID=40&md5=a56193fd1e04b4376e018183400c6626

Kalaiselvi K.; Deepa Thilak K.; Lalitha Devi K.; Kumaresan K.	Multiple plant leaf disease detection using efficient Machine learning classification techniques	2023	2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering, RMKMATE 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183553557&doi=10.1109%2fRMKMATE59243.2023.10368976&partnerID=40&md5=d80f5608224beda138d90389f4fff7bf
Shanmugavalli V.; Suresh Kumar S.; Nithya Kalyani S.	A Hybrid Machine Learning Technique for Multiple Soft Biometric Based Dynamic Keystroke Pattern Recognition System	2023	Neural Processing Letters	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171575282&doi=10.1007%2fs11063-023-11354-6&partnerID=40&md5=19b8aa5d6b8a6d32b8cdd7f11d832c7e
Pradeepkumar G.; Ramesh V.; Karthika A.; Karthikeyan A.; Sacithraa R.; Vanitha K.	Smart Shopping Trolley based on IoT with Mobile Application	2023	2nd International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2023 - Proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159093085&doi=10.1109%2fICSCDS56580.2023.10104651&partnerID=40&md5=89a08db8ef961b240cb2e8dfec6dc425
Mohan S.; Muralimohan N.; Vidhya K.	Investigation of contamination level in Thirumanimutharu river and influence on groundwater at Salem Corporation	2023	AIP Conference Proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177678703&doi=10.1063%2f5.0171307&partnerID=40&md5=751c7183f8d5a5386225e8bacfc3c0f3
Senthilkumar S.; Sargunan K.; Elango S.	Assessment of Strength of Concrete containing ESP and IESP as Partial Cement Replacement	2023	Journal of Environmental Nanotechnology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180650067&doi=10.13074%2fjent.2023.09.232469&partnerID=40&md5=a05037971ea63321469f8cda3e562210

Rajendran P.; Vaiyapuri R.; Selvaraj R.	Optimizing electrokinetic treatments for enhanced mortar durability: ionic migration and microstructural analysis	2023	Revista Materia	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174958694&doi=10.1590%2f1517-7076-RMAT-2023-0210&partnerID=40&md5=4df0e02488b0998e7b8647830b202eac
Prabhu P.; Valarmathie P.; Dinakaran K.	A Feature Learning-Based Model for Analyzing Students' Performance in Supportive Learning	2023	Intelligent Automation and Soft Computing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150827618&doi=10.32604%2fiasc.2023.028659&partnerID=40&md5=abbed76ca905f9550abd2587bf932cf1
Madhaiyan V.; Murugesan R.; Sivasubramanian G.; Muniyan V.; Arun V.; Prabhu S.	Sixty Degree PWM Controlled 7-Level Inverter Utilizing Binary Input	2023	2023 1st International Conference on Advances in Electrical, Electronics and Computational Intelligence, ICAEECI 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183533271&doi=10.1109%2fICAEECI58247.2023.10370833&partnerID=40&md5=da0aab76c9c74a886d9b0eb03016c763
Nithyanandam M.; Kaliyannan S.K.; Pichaipillai S.; Kulandaiswamy N.D.M.; Gopalakrishnan D.	Qualitative study of surface and ground water in and around Komarapalayam Region	2023	AIP Conference Proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166553029&doi=10.1063%2f5.0154972&partnerID=40&md5=1138689d98c940febc37049bdaf2335f

Aruchamy K.; Palaniappan S.K.; Lakshminarasimhan R.; Mylsamy 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	2023	Polymers	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166183508&doi=10.3390%2fpolym15143075&partnerID=40&md5=190d209465fce755038db4f0a10f858a
Ranjith R.; Vignesh S.; Balachandar R.; Suganthi S.; Raj V.; Ramasundaram S.; Kalyana Sundar J.; Shkir M.; Oh T.H.	Construction of novel g-C3N4 coupled efficient Bi2O3 nanoparticles for improved Z-scheme photocatalytic removal of environmental wastewater contaminant: Insight mechanism	2023	Journal of Environmental Management	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144947261&doi=10.1016%2fj.jenvman.2022.117134&partnerID=40&md5=bd9cc7a3f8987b0aede8a695668f8973
Saranya S.; Thilak K.D.; Kalaiselvi K.; Kumar T.R.; Kumaresan K.	Hyper tension Detection for Diabetic Patients using Machine Learning	2023	14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174384305&partnerID=40&md5=069b9de8a31f70473fed8dd81830a3b4
Selvaraj M.; S A.; Mylsamy B.	Characterization of New Natural Fiber from the Stem of Tithonia Diversifolia Plant	2023	Journal of Natural Fibers	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147323705&doi=10.1080%2f15440478.2023.2167144&partnerID=40&md5=52d8707bae41b2e2844f90e1f9b054bd
Sengottaiyan S.K.; Subramaniam V.; Thangavel Y.; Sekar K.	POWER EFFICIENT IMPLEMENTATION OF ECC USING LCSLA BASED DUAL FIELD VEDIC MULTIPLIER	2023	Comptes Rendus de L'Academie Bulgare des Sciences	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182564076&doi=10.7546%2fCRABS.2023.12.09&partnerID=40&md5=38811a6c3f0404c79e5a5f63b7b13efe

Kanagaraj N.; Ramasamy M.; Vijayakumar M.; Aldosari O.	Experimentation of Multi-Input Single-Output Z-Source Isolated DC–DC Converter-Fed Grid-Connected Inverter with Sliding Mode Controller	2023	Sustainability (Switzerland)	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181173527&doi=10.3390%2fsu152416875&partnerID=40&md5=bb766902fa34ef877bf864f347e9c500
Priyadharsan A.; Ranjith R.; Karmegam N.; Thennarasu G.; Ragupathy S.; Hwan Oh T.; Ramasundaram S.	Effect of metal doping and non-metal loading on light energy driven degradation of organic dye using ZnO nanocatalysts	2023	Chemosphere	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153061012&doi=10.1016%2fj.chemosphere.2023.138708&partnerID=40&md5=be77268be8ad02525f99ce69b2ca0629
Saranya S.; Thilak K.D.; Kalaiselvi K.; Arthi K.; Kumaresan K.	Multitasking Agricultural Robot for Farmer Assistance using Internet of Things	2023	14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174405733&partnerID=40&md5=207f670b7586acfe288bcfc29740da37
Panneerselvam R.; Singaravel G.	Retraction Note to: Efficient multi-dimensional web information discovery in wireless sensor network (Journal of Ambient Intelligence and Humanized Computing, (2021), 12, 5, (4677-4687), 10.1007/s12652-020-01868-5)	2023	Journal of Ambient Intelligence and Humanized Computing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131054161&doi=10.1007%2fs12652-022-04001-w&partnerID=40&md5=186118a446a9b078c2a17f7227b00a0e

Aruchamy K.; Mylsamy 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	2023	Journal of Reinforced Plastics and Composites	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153480138&doi=10.1177%2f07316844221140350&partnerID=40&md5=4914ab21c55b187f17bef3661c98c688
Senthilkumar S.; Samuthira Pandi V.; Sripriya T.; Pragadish N.	Design of recustomize finite impulse response filter using truncation based scalable rounding approximate multiplier and error reduced carry prediction approximate adder for image processing application	2023	Concurrency and Computation: Practice and Experience	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147271211&doi=10.1002%2fcpe.7629&partnerID=40&md5=6928fecc16119ff7e848c58b8da9a469
Saranya G.; Devendraprasad K.; Shanmugapriya P.; Bhuvaneshwari N.	DFT calculations, molecular docking, in vitro antimicrobial and antidiabetic studies of green synthesized Schiff bases: as Covid-19 inhibitor	2023	Journal of Biomolecular Structure and Dynamics	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147759410&doi=10.1080%2f07391102.2023.2175039&partnerID=40&md5=101183e013d22d3637e799cd7c49f89f
Rajesh A.A.; Senthilkumar S.; Sargunan K.; Gobinath G.N.	Interpolation and extrapolation of flexural strength of rubber crumbs and coal ash with graphene oxide concrete	2023	Revista Materia	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174585864&doi=10.1590%2f1517-7076-RMAT-2023-0179&partnerID=40&md5=142bec293c7dc66ca6a3f1e26a9ae735

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Balasubramanian S.; Palanisamy T.; Senthilkumar S.	COMPARATIVE ANALYSIS OF STRENGTH BEHAVIOURS ON CONCRETE FRAMES UNDER SEVERE EARTHQUAKE LOADS	2023	Journal of Environmental Protection and Ecology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163189268&partnerID=40&md5=3f3d2df456afe5317082ea1fc8df2e8d
Gomathi P.; Muniraj C.; Periasamy P.S.	Micro Calcification Detection in Mammogram Images Using Contiguous Convolutional Neural Network Algorithm	2023	Computer Systems Science and Engineering	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143770327&doi=10.32604%2fcsse.2023.028808&partnerID=40&md5=0f56a499850d85d1197bd54354bf6c5b
Rajasegharan V.V.; Veena P.; Ramesh S.; Karthikeyan G.	Virtual Power Plant for Optimizing Power Flow in Large Scale Distributed Networks	2023	Electric Power Components and Systems	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180233351&doi=10.1080%2f15325008.2023.2281627&partnerID=40&md5=d1adc290064955b8af710fcf80d2a255

Dinakaran S.; Anitha P.	Retraction Note to: Multi feature drug compound analysis model for efficient success rate prediction using fuzzy rules (Journal of Ambient Intelligence and Humanized Computing, (2021), 12, 6, (6557-6565), 10.1007/s12652-020-02275-6)	2023	Journal of Ambient Intelligence and Humanized Computing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135058053&doi=10.1007%2fs12652-022-04086-3&partnerID=40&md5=a2e73e9e806f351f0f5126ffca44d5ff
Thangarasan T.; Surendhiran V.; Keerthana R.; Moheshkumar G.; Namasivayam M.; Saratha M.	Research and Application of Boundary Optimization Algorithm of Forest Resource Vector Data Based on Convolutional Neural Network	2023	2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184814768&doi=10.1109%2fSmartTechCon57526.2023.10391589&partnerID=40&md5=71c620714444226c09c4094f0ad4602d
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Thirugnanasambandan N.; Kannan A.R.; Vijay Anand S.P.	TOWARDS SECURING DATA USING ENHANCED FULLY HOMOMORPHIC ENCRYPTION (SD-EFHE) FOR BIG DATA PROCESSING	2023	Journal of Environmental Protection and Ecology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186458262&partnerID=40&md5=861a24f8f01b0581e669a12c774fc5d2
Saravanan N.; Subramani A.; Balamurugan P.	Retraction Note: Optimal route selection in MANET based on particle swarm optimization utilizing expected transmission count (Cluster Computing, (2019), 22, S5, (11647-11658), 10.1007/s10586-017-1445-8)	2023	Cluster Computing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159270169&doi=10.1007%2fs10586-022-03891-x&partnerID=40&md5=17d056f05fccd5eee610a445cc9800df
Karthikeyan A.N.; Yuvaraj N.; Gowsic K.; Islam M.J.; Ramasamy M.	Innovative Image Privacy Preservation Applied to Data Perturbation in Cloud	2023	International Conference on Applied Intelligence and Sustainable Computing, ICAISC 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168760652&doi=10.1109%2fICAISC58445.2023.10200920&partnerID=40&md5=98792190fa52b94195cac040dc2fbf66

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Manivel M.; Kaliappan L.	Analysis and Implementation of Switched Capacitor-based Multi-Level Inverter for Electric Vehicles Applications	2023	Elektronika ir Elektrotechnika	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152737171&doi=10.5755%2fJ02.EIE.33053&partnerID=40&md5=1c01a3ada014bb3e772c39265645b79c
Baby Anitha E.; Sivaprakash S.; Velmurugan S.; Saranya S.S.	Hybrid artificial bee colony based neural network and dynamic threshold technique for predicting moving vehicle location and co-located objects	2023	Sadhana - Academy Proceedings in Engineering Sciences	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153278721&doi=10.1007%2fs12046-023-02128-w&partnerID=40&md5=1332afb9514db2281a65939b407e925b
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Durga Devi T.J.B.; Subramani A.; Anitha P.	Retraction Note to: Modified adaptive neuro fuzzy inference system based load balancing for virtual machine with security in cloud computing environment (Journal of Ambient Intelligence and Humanized Computing, (2021), 12, 3, (3869-3876), 10.1007/s12652-020-01728-2)	2023	Journal of Ambient Intelligence and Humanized Computing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130987890&doi=10.1007%2fs12652-022-04007-4&partnerID=40&md5=6c70619b1eb7ad990bd6fcab6485de6a
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Karthik A.; Bhuvaneshwaran M.; Sampath P.S.	Study the Mechanical Characteristics of NaOH & SLS Treated Cotton-Kenaf Fabric Reinforced Epoxy Composites Laminates	2023	Springer Proceedings in Materials	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174941486&doi=10.1007%2f978-981-99-5567-1_6&partnerID=40&md5=8269049510ba1e13cdaf9f691f35374a
Syed Fiaz A.S.; Anusha Priya A.; Dinakaran S.; Sundari S.; Saran Raj S.	Efficient Resource Allocation to Improve the Quality of Services in Cloud Computing	2023	2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering, RMKMATE 2023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183541617&doi=10.1109%2fRMKMATE59243.2023.10369116&partnerID=40&md5=2973e541831080d832faa59bf95bee40

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