

**K.S.R. College of Engineering - Tiruchengode**  
**2021 - Publications**

Authors	Title	Year	Source title	Link
Ramachandran S.; Ramasamy M.	Solar Photovoltaic Interfaced Quasi Impedance Source Network Based Static Compensator for Voltage and Frequency Control in the Wind Energy System	2021	Journal of Electrical Engineering and Technology	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101095571&amp;doi=10.1007%2fs42835-021-00669-w&amp;partnerID=40&amp;md5=e823bb6bf458d407759000f08fd5953d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101095571&amp;doi=10.1007%2fs42835-021-00669-w&amp;partnerID=40&amp;md5=e823bb6bf458d407759000f08fd5953d</a>
Padmapriya K.M.; Anandhi B.; Vijayakumar M.	Mapreduce fuzzy c-means ensemble clustering with gentle adaboost for big data analytics	2021	International Journal of Business Intelligence and Data Mining	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113337071&amp;doi=10.1504%2fijbidm.2021.117110&amp;partnerID=40&amp;md5=08f78edf23fe6ec5ce7515a4fd915444">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113337071&amp;doi=10.1504%2fijbidm.2021.117110&amp;partnerID=40&amp;md5=08f78edf23fe6ec5ce7515a4fd915444</a>
Parthiban S.; Madhaiyan V.	Experimental validation of solar PV sustained ZSI based unified active power filter for enrichment of power quality	2021	Automatika	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103890879&amp;doi=10.1080%2f00051144.2021.1908013&amp;partnerID=40&amp;md5=58e72759200428c35b861a366ee917d0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103890879&amp;doi=10.1080%2f00051144.2021.1908013&amp;partnerID=40&amp;md5=58e72759200428c35b861a366ee917d0</a>
Kumar S.; Kuzichkin O.R.; Siddiqi A.F.; Pustokhina I.; Krasnopevtsev A.Y.	Reliability assessment of ball grid array joints under combined application of thermal and power cycling: solder geometry effect	2021	Soldering and Surface Mount Technology	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084977467&amp;doi=10.1108%2fSSMT-02-2020-0006&amp;partnerID=40&amp;md5=f34a6ffb55b69e17f1143bab7f3d7201">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084977467&amp;doi=10.1108%2fSSMT-02-2020-0006&amp;partnerID=40&amp;md5=f34a6ffb55b69e17f1143bab7f3d7201</a>
Anand C.; Vasuki N.	Trust Based DoS Attack Detection in Wireless Sensor Networks for Reliable Data Transmission	2021	Wireless Personal Communications	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112784139&amp;doi=10.1007%2fs11277-021-08855-9&amp;partnerID=40&amp;md5=ca778280f2e5885a3d55a989c4064028">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112784139&amp;doi=10.1007%2fs11277-021-08855-9&amp;partnerID=40&amp;md5=ca778280f2e5885a3d55a989c4064028</a>

Nanthini S.; Kalyani S.N.; Sengan S.	Energy efficient clustering protocol to enhance network lifetime in wireless sensor networks	2021	Computers, Materials and Continua	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105668061&amp;doi=10.32604%2fcmc.2021.015038&amp;partnerID=40&amp;md5=85122dac6a8346b69cb0aa64e56f3532">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105668061&amp;doi=10.32604%2fcmc.2021.015038&amp;partnerID=40&amp;md5=85122dac6a8346b69cb0aa64e56f3532</a>
Nagarajan G.; Mahabub Basha A.; Poornima R.	Autism spectrum disorder identification using polynomial distribution based convolutional neural network	2021	NeuroQuantology	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104949768&amp;doi=10.14704%2fnq.2021.19.2.NQ21013&amp;partnerID=40&amp;md5=8dc2946b68d01fa3f8e015e557139ca1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104949768&amp;doi=10.14704%2fnq.2021.19.2.NQ21013&amp;partnerID=40&amp;md5=8dc2946b68d01fa3f8e015e557139ca1</a>
Gopi R.; Revathi V.	Flexural behavior of self compacting self curing concrete with lightweight aggregates	2021	Materials Today: Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107328724&amp;doi=10.1016%2fj.matpr.2020.11.019&amp;partnerID=40&amp;md5=96bb23d8dbc00f3402e5a793817a06f1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107328724&amp;doi=10.1016%2fj.matpr.2020.11.019&amp;partnerID=40&amp;md5=96bb23d8dbc00f3402e5a793817a06f1</a>
Mathan Kumar P.; Dinesh D.; Sundarraju G.; Madheswaran S.; Perumal K.	Modelling of Surface Roughness in Wire-EDM Using Response Surface Methodology Technique	2021	Springer Proceedings in Materials	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124017953&amp;doi=10.1007%2f978-981-15-8319-3_79&amp;partnerID=40&amp;md5=a6358e6539b31c5873605e6d139ababc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124017953&amp;doi=10.1007%2f978-981-15-8319-3_79&amp;partnerID=40&amp;md5=a6358e6539b31c5873605e6d139ababc</a>
Sathik Basha A.; Ramasamy M.	Design of Z-Source Inverter-Based Dynamic Voltage Restorer Circuitry with R-SOGI Control Scheme for Enrichment of Power Quality	2021	Journal of Circuits, Systems and Computers	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101582866&amp;doi=10.1142%2fS0218126621501954&amp;partnerID=40&amp;md5=293914fc97f318bfcbfdb2ec8006c94">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101582866&amp;doi=10.1142%2fS0218126621501954&amp;partnerID=40&amp;md5=293914fc97f318bfcbfdb2ec8006c94</a>

Durga Devi T.J.B.; Subramani A.; Anitha P.	Modified adaptive neuro fuzzy inference system based load balancing for virtual machine with security in cloud computing environment	2021	Journal of Ambient Intelligence and Humanized Computing	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078919273&amp;doi=10.1007%2fs12652-020-01728-2&amp;partnerID=40&amp;md5=bb2c60921a331ba5753764db213cf66e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078919273&amp;doi=10.1007%2fs12652-020-01728-2&amp;partnerID=40&amp;md5=bb2c60921a331ba5753764db213cf66e</a>
Raja K.; Senthilkumar P.; Nallakumarasamy G.; Natarajan T.	Effect of Eco-Friendly Chemical Treatment on the Properties of Sesbania Rostrata Fiber	2021	Journal of Natural Fibers	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079422080&amp;doi=10.1080%2f15440478.2020.1725712&amp;partnerID=40&amp;md5=f736e9d4e99a1ef7b4ca8ca860def254">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079422080&amp;doi=10.1080%2f15440478.2020.1725712&amp;partnerID=40&amp;md5=f736e9d4e99a1ef7b4ca8ca860def254</a>
Dineshkumar B., Dinessharni@gmail.com; Karthikeyan C.; Suganya P.	Experimental Validation of Z-Source Network-Based Solar PV Backed Unified Active Power Filter for Power Quality Enrichment	2021	Journal of Circuits, Systems and Computers	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095122824&amp;doi=10.1142%2fS0218126621500110&amp;partnerID=40&amp;md5=5ec15ae0b910f9811437f07761f1c7b3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095122824&amp;doi=10.1142%2fS0218126621500110&amp;partnerID=40&amp;md5=5ec15ae0b910f9811437f07761f1c7b3</a>
Ramalingam M.; Ramasamy V.; Palanisamy S.; Subramaniam M.; Muthusamy K.	Experimental investigation on performance, combustion, and emission characteristics of diesel doped with green synthesized nano cerium oxide	2021	Environmental Progress and Sustainable Energy	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089290739&amp;doi=10.1002%2fep.13492&amp;partnerID=40&amp;md5=67ef17bc692297090dbf21fba2a169a7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089290739&amp;doi=10.1002%2fep.13492&amp;partnerID=40&amp;md5=67ef17bc692297090dbf21fba2a169a7</a>
Ravi Kumar P.; Gowri Shankar C.	Design and Implementation of High-Performance Single-Input Multi-Output High Step-up Non-Isolated DC-DC Converter Topology	2021	Journal of Circuits, Systems and Computers	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094856347&amp;doi=10.1142%2fS0218126621500493&amp;partnerID=40&amp;md5=a5eab0382c1b3c0320ba6cfbc57e7a5a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094856347&amp;doi=10.1142%2fS0218126621500493&amp;partnerID=40&amp;md5=a5eab0382c1b3c0320ba6cfbc57e7a5a</a>

Panneerselvam R.; Singaravel G.	Efficient multi-dimensional web information discovery in wireless sensor network	2021	Journal of Ambient Intelligence and Humanized Computing	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081956335&amp;doi=10.1007%2fs12652-020-01868-5&amp;partnerID=40&amp;md5=9708e731feafb3f03e606a6c14e3813d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081956335&amp;doi=10.1007%2fs12652-020-01868-5&amp;partnerID=40&amp;md5=9708e731feafb3f03e606a6c14e3813d</a>
Southamirajan S.; Anbarasi K.; Elango S.; Dhivyapakash; Bharath B.	An assessment of flexural improvement of light weight concrete via hybrid fibres along with sisal fibres in addition to banana fibres	2021	Materials Research Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116120138&amp;doi=10.21741%2f9781644901618-10&amp;partnerID=40&amp;md5=86ccf5a69c62d878f2fe2403ffab907a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116120138&amp;doi=10.21741%2f9781644901618-10&amp;partnerID=40&amp;md5=86ccf5a69c62d878f2fe2403ffab907a</a>
Chinnusamy G.S.; Shanmugasundaram D.	Genetic fuzzy optimized approximate multiplier design based non-linear anisotropic diffusion image denoising in VLSI	2021	Journal of Ambient Intelligence and Humanized Computing	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103078338&amp;doi=10.1007%2fs12652-021-03027-w&amp;partnerID=40&amp;md5=1e66c14af9a3d6ae6826912768db8b12">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103078338&amp;doi=10.1007%2fs12652-021-03027-w&amp;partnerID=40&amp;md5=1e66c14af9a3d6ae6826912768db8b12</a>
Rajkumar V.; Prakash M.; Vennila V.	Secure data sharing with confidentiality, integrity and access control in cloud environment	2021	Computer Systems Science and Engineering	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116008597&amp;doi=10.32604%2fCSSE.2022.019622&amp;partnerID=40&amp;md5=07e19dc3c13965bab4931dc91740a5d0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116008597&amp;doi=10.32604%2fCSSE.2022.019622&amp;partnerID=40&amp;md5=07e19dc3c13965bab4931dc91740a5d0</a>
Vadivel S.; Konda S.; Balmuri K.R.; Stateczny A.; Parameshachari B.D.	Dynamic route discovery using modified grasshopper optimization algorithm in wireless ad-hoc visible light communication network	2021	Electronics (Switzerland)	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105709920&amp;doi=10.3390%2felectronics10101176&amp;partnerID=40&amp;md5=b6b1abca06a73fc8581802313e0fe7ee">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105709920&amp;doi=10.3390%2felectronics10101176&amp;partnerID=40&amp;md5=b6b1abca06a73fc8581802313e0fe7ee</a>

Dinakaran S.; Anitha P.	Multi feature drug compound analysis model for efficient success rate prediction using fuzzy rules	2021	Journal of Ambient Intelligence and Humanized Computing	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087568369&amp;doi=10.1007%2fs12652-020-02275-6&amp;partnerID=40&amp;md5=b3e730d659d73e3b119eb3584d15f940">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087568369&amp;doi=10.1007%2fs12652-020-02275-6&amp;partnerID=40&amp;md5=b3e730d659d73e3b119eb3584d15f940</a>
Nithyanantham S.; Singaravel G.	Resource and Cost Aware Glowworm Mapreduce Optimization Based Big Data Processing in Geo Distributed Data Center	2021	Wireless Personal Communications	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077847988&amp;doi=10.1007%2fs11277-020-07050-6&amp;partnerID=40&amp;md5=4829e6a867e8d14c45b40d67009b9b8c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077847988&amp;doi=10.1007%2fs11277-020-07050-6&amp;partnerID=40&amp;md5=4829e6a867e8d14c45b40d67009b9b8c</a>
Senthilkumaran P.; Venkatachalam R.; Raja K.V.	Vibration Analysis of a multi core sandwich composite beam with cutouts - A critical investigation	2021	Materials Research Express	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110031146&amp;doi=10.1088%2f2053-1591%2fac0deb&amp;partnerID=40&amp;md5=2e4314418a7db36f7583ad320b3be347">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110031146&amp;doi=10.1088%2f2053-1591%2fac0deb&amp;partnerID=40&amp;md5=2e4314418a7db36f7583ad320b3be347</a>
Soundararajan E.K.; Vaiyapuri R.	Geopolymer binder for pervious concrete	2021	Gradjevinar	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105336039&amp;doi=10.14256%2fJCE.2440.2018&amp;partnerID=40&amp;md5=d3c9aaf374eab1b85003306ba94f84d7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105336039&amp;doi=10.14256%2fJCE.2440.2018&amp;partnerID=40&amp;md5=d3c9aaf374eab1b85003306ba94f84d7</a>
Santhoshkumaar K.; Muralimohan N.; Dhinaharan R.; Chandru M.; Aravindhana P.	Site suitability for agriculture from barren land using remote sensing DQG GIS	2021	AIP Conference Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118850049&amp;doi=10.1063%2f5.0068577&amp;partnerID=40&amp;md5=36ad5e0c995bb795f2d9dd00b2b9ba68">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118850049&amp;doi=10.1063%2f5.0068577&amp;partnerID=40&amp;md5=36ad5e0c995bb795f2d9dd00b2b9ba68</a>

Bhuvaneshwaran M.; Subramani S.P.; Palaniappan S.K.; Pal S.K.; Balu S.	Natural Cellulosic Fiber from Coccinia Indica Stem for Polymer Composites: Extraction and Characterization	2021	Journal of Natural Fibers	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103143746&amp;doi=10.1080%2f15440478.2019.1642826&amp;partnerID=40&amp;md5=23c6aab453627ffd71d91f23a5a979aa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103143746&amp;doi=10.1080%2f15440478.2019.1642826&amp;partnerID=40&amp;md5=23c6aab453627ffd71d91f23a5a979aa</a>
Saravanan R.; Somanathan T.; Gavaskar D.; Tamilvanan M.	Analytical method development and validation of stability indicating assay method of analysis for dolutegravir/lamivudine/tenofovir disoproxil fumarate tablets using high performance liquid chromatography	2021	Research Journal of Pharmacy and Technology	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112686679&amp;doi=10.52711%2f0974-360X.2021.00428&amp;partnerID=40&amp;md5=3d4d071ae0255e5406ea18aae5279eb2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112686679&amp;doi=10.52711%2f0974-360X.2021.00428&amp;partnerID=40&amp;md5=3d4d071ae0255e5406ea18aae5279eb2</a>
Kalaiselvi K.; Saranya S.; Thilak K.D.; Kumaresan K.	Replication image detection using convolutional neural network	2021	Journal of Engineering Research (Kuwait)	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118711572&amp;doi=10.36909%2fjer.ICIPPSD.15499&amp;partnerID=40&amp;md5=aabb3d3b9902fd3d03452327fa1ec263">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118711572&amp;doi=10.36909%2fjer.ICIPPSD.15499&amp;partnerID=40&amp;md5=aabb3d3b9902fd3d03452327fa1ec263</a>
Kumaresan K.; Kalyani S.N.	Energy Efficient Cluster based Multilevel Hierarchical Routing for multi-hop Wireless Sensor Network	2021	Journal of Ambient Intelligence and Humanized Computing	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078412366&amp;doi=10.1007%2fs12652-020-01700-0&amp;partnerID=40&amp;md5=a3cef7475909bbfaef315611e2e096e2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078412366&amp;doi=10.1007%2fs12652-020-01700-0&amp;partnerID=40&amp;md5=a3cef7475909bbfaef315611e2e096e2</a>
Jayaraman T.; Chinnusamy G.S.	Analysis of Deep Rain Streaks Removal Convolutional Neural Network-Based Post-Processing Techniques in HEVC Encoder	2021	Journal of Circuits, Systems and Computers	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095129868&amp;doi=10.1142%2fs0218126621500201&amp;partnerID=40&amp;md5=c2fc71e7d207344ea1f77d7109743c9f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095129868&amp;doi=10.1142%2fs0218126621500201&amp;partnerID=40&amp;md5=c2fc71e7d207344ea1f77d7109743c9f</a>

Premalatha P.V.; Kumar S.S.; Murali C.S.; Aadithiya K.V.	Profound probing of Groundnut Shell Ash (GSA) as pozzolanic material in making innovative sustainable construction material	2021	Materials Today: Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123409205&amp;doi=10.1016%2fj.matpr.2021.06.367&amp;partnerID=40&amp;md5=ea867b109c3717ab2816f75f1e85455d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123409205&amp;doi=10.1016%2fj.matpr.2021.06.367&amp;partnerID=40&amp;md5=ea867b109c3717ab2816f75f1e85455d</a>
Logeswaran K.; Suresh P.; Ponselvakumar A.P.; Savitha S.	A study on data driven technologies involved in the development of viable anticipated smart cities	2021	Materials Today: Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140829386&amp;doi=10.1016%2fj.matpr.2020.12.1067&amp;partnerID=40&amp;md5=e0c923b08e7ff2245e45f8bb5b739f0e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140829386&amp;doi=10.1016%2fj.matpr.2020.12.1067&amp;partnerID=40&amp;md5=e0c923b08e7ff2245e45f8bb5b739f0e</a>
Vairavel C.; Nithya N.S.	An Investigation and Examination of Privacy for Big Data	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126962915&amp;doi=10.1109%2fICAC3N53548.2021.9725454&amp;partnerID=40&amp;md5=970aaf181f221a5947844362470261a7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126962915&amp;doi=10.1109%2fICAC3N53548.2021.9725454&amp;partnerID=40&amp;md5=970aaf181f221a5947844362470261a7</a>
Kavitha N.S.; Singaravel G.	Balanced wireless sensor networks with energy efficient bees swarm–harmony Search–Hill Climbing mechanism	2021	International Journal of Communication Systems	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102421682&amp;doi=10.1002%2fdac.4781&amp;partnerID=40&amp;md5=15c6dfb463c366e2f588a0758360cbd3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102421682&amp;doi=10.1002%2fdac.4781&amp;partnerID=40&amp;md5=15c6dfb463c366e2f588a0758360cbd3</a>
Chithra Devi S.A.; Yamuna K.; Sornalatha M.	Multi-objective optimization of optimal placement and sizing of multiple DG placements in radial distribution system using stud krill herd algorithm	2021	Neural Computing and Applications	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105020182&amp;doi=10.1007%2fs00521-021-05992-x&amp;partnerID=40&amp;md5=4681f3a698130ed0f3f930a49b977c3d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105020182&amp;doi=10.1007%2fs00521-021-05992-x&amp;partnerID=40&amp;md5=4681f3a698130ed0f3f930a49b977c3d</a>