

**K.S.R. College of Engineering - Tiruchengode**  
**2022 - Publications**

Authors	Title	Year	Source title	Link
Mahalakshmi K.; Ranjith R.; Thangavelu P.; Priyadarshini M.; Palanivel B.; Manthrammel M.A.; Shkir M.; Diravidamani B.	Augmenting the Photocatalytic Performance of Direct Z-Scheme Bi <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanocomposite	2022	Catalysts	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144932776&amp;doi=10.3390%2fcatal12121544&amp;partnerID=40&amp;md5=2ff593fbab3229ecd753fcbc593819eb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144932776&amp;doi=10.3390%2fcatal12121544&amp;partnerID=40&amp;md5=2ff593fbab3229ecd753fcbc593819eb</a>
Deivanayagi S.; Periasamy P.S.	Computer Aided Coronary Atherosclerosis Plaque Detection and Classification	2022	Intelligent Automation and Soft Computing	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129051809&amp;doi=10.32604%2fiasc.2022.025632&amp;partnerID=40&amp;md5=311f227b72fa3fdd2465d9edb3de5fd6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129051809&amp;doi=10.32604%2fiasc.2022.025632&amp;partnerID=40&amp;md5=311f227b72fa3fdd2465d9edb3de5fd6</a>
Jayamathi A.; Jayasankar T.; Kumar K.V.	Novel Selective Mapping with Oppositional Hosted Cuckoo Optimization Algorithm for PAPR Reduction in 5G UPMC Systems	2022	Tehnicki Vjesnik	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125097160&amp;doi=10.17559%2fTV-20210524085655&amp;partnerID=40&amp;md5=635425cd0d959c66cd44069779e9b0bb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125097160&amp;doi=10.17559%2fTV-20210524085655&amp;partnerID=40&amp;md5=635425cd0d959c66cd44069779e9b0bb</a>
Gunasekaran M.; Palanisamy T.	Impact of fly ash and bagasse ash on durability performance of lightweight concrete with the experimental study; [Wpływ popiołu lotnego i popiołu z wytłoczyn z trzciny cukrowej na trwałość betonu lekkiego w badaniach doświadczalnych]	2022	Cement, Wapno, Beton	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149197815&amp;doi=10.32047%2fcWB.2022.27.5.5&amp;partnerID=40&amp;md5=2fef258853469fe412468af1e98bb88">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149197815&amp;doi=10.32047%2fcWB.2022.27.5.5&amp;partnerID=40&amp;md5=2fef258853469fe412468af1e98bb88</a>

Palanisamy K.; Vaiyapuri R.	EXPERIMENTAL STUDIES ON AMBIENT CURED SELF-COMPACTING GEOPOLYMER CONCRETE MADE WITH GGBS AND BOTTOM ASH	2022	Revista Romana de Materiale/ Romanian Journal of Materials	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143984888&amp;partnerID=40&amp;md5=32204bca2efb57aa6c3916bf25cd3e85">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143984888&amp;partnerID=40&amp;md5=32204bca2efb57aa6c3916bf25cd3e85</a>
Marudhachalam R.; Kannan R.; Kavitha T.; Nivetha G.; Selvanayaki S.; Shobhana E.; Selvambikai M.	Optimization of Process Condition of Nanostructured Nickel Coating Using Partial Factorial Design	2022	AIP Conference Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144061197&amp;doi=10.1063%2f5.0108310&amp;partnerID=40&amp;md5=8528bc4429075eccb013a8b915c226f5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144061197&amp;doi=10.1063%2f5.0108310&amp;partnerID=40&amp;md5=8528bc4429075eccb013a8b915c226f5</a>
Savitha S.; Rajiv Kannan A.; Logeswaran K.	A Comprehensive Analysis of Machine Learning Algorithms in Diagnosis of Chronic Kidney Disease	2022	2022 13th International Conference on Computing Communication and Networking Technologies, ICCCNT 2022	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146321348&amp;doi=10.1109%2fICCCNT54827.2022.9984275&amp;partnerID=40&amp;md5=a20797088704203aace66ed61d23fb37">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146321348&amp;doi=10.1109%2fICCCNT54827.2022.9984275&amp;partnerID=40&amp;md5=a20797088704203aace66ed61d23fb37</a>
Santhosh Kumar P.; Gowrishankar C.	Comparative analysis of Yavadunam Tavadunikrtya Varganca Yojayet Vedic multiplier for embedded DNN	2022	Sadhana - Academy Proceedings in Engineering Sciences	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128091778&amp;doi=10.1007%2fs12046-022-01843-0&amp;partnerID=40&amp;md5=9d6dde3d60217d7888efa4a30b48f1ca">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128091778&amp;doi=10.1007%2fs12046-022-01843-0&amp;partnerID=40&amp;md5=9d6dde3d60217d7888efa4a30b48f1ca</a>
Loganathan P.; Mohanraj R.; Senthilkumar S.; Yuvaraj K.	Mechanical performance of ETC RC beam with U-framed AFRP laminates under a static load condition	2022	Revista de la Construcción	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150856730&amp;doi=10.7764%2fRDLC.21.3.678&amp;partnerID=40&amp;md5=baa04dd2ca65e3093f374db5574868da">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150856730&amp;doi=10.7764%2fRDLC.21.3.678&amp;partnerID=40&amp;md5=baa04dd2ca65e3093f374db5574868da</a>

Raja A.; Vijayakumar M.; Karthikeyan C.	Solar photovoltaic interconnected ZSI- unified power quality conditioner to enhance power quality	2022	Bulletin of the Polish Academy of Sciences: Technical Sciences	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125726328&amp;doi=10.24425%2fbpasts.2021.140015&amp;partnerID=40&amp;md5=9830ff9db7c2cc4c4a13a04652a157b6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125726328&amp;doi=10.24425%2fbpasts.2021.140015&amp;partnerID=40&amp;md5=9830ff9db7c2cc4c4a13a04652a157b6</a>
Eswaramoorthi R.; Leeban Moses M.; Sahul Hameed J.B.; Ghanti B.	Deep graph neural network optimized with fertile field algorithm based detection model for uplink multiuser massive multiple-input and multiple- output system	2022	Transactions on Emerging Telecommunications Technologies	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135187362&amp;doi=10.1002%2fett.4614&amp;partnerID=40&amp;md5=ead900389649ceee0afcbde0f226bad8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135187362&amp;doi=10.1002%2fett.4614&amp;partnerID=40&amp;md5=ead900389649ceee0afcbde0f226bad8</a>
Arun V.; Kannan R.; Ramesh S.; Vijayakumar M.; Raghavendran P.S.; Siva Ramkumar M.; Anbarasu P.; Sundramurthy V.P.	Review on Li-Ion Battery vs Nickel Metal Hydride Battery in EV	2022	Advances in Materials Science and Engineering	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137131142&amp;doi=10.1155%2f2022%2f7910072&amp;partnerID=40&amp;md5=f5355b9e92643356bd9a299d82abbad1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137131142&amp;doi=10.1155%2f2022%2f7910072&amp;partnerID=40&amp;md5=f5355b9e92643356bd9a299d82abbad1</a>
Logeswaran K.; Niranjan R.; Suresh P.; Saireventh T.; Ponselvakumar A.P.; Saranraj V.; Savitha S.	Discovery of Potential High Utility Itemset from Uncertain Database using Multi Objective Discrete Differential Evolutionary Algorithm	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128754595&amp;doi=10.1109%2fICCCI54379.2022.9740966&amp;partnerID=40&amp;md5=285802b33fc737101a85ef21e6e8bb2a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128754595&amp;doi=10.1109%2fICCCI54379.2022.9740966&amp;partnerID=40&amp;md5=285802b33fc737101a85ef21e6e8bb2a</a>
Shanmugasundaram S.; Mohanraj R.; Senthilkumar S.; Padmapoorani P.	Torsional performance of reinforced concrete beam with carbon fiber and aramid fiber laminates	2022	Revista de la Construccion	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137615607&amp;doi=10.7764%2fRDLC.21.2.329&amp;partnerID=40&amp;md5=5cfea3b25e1049d601a7714518ede2d9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137615607&amp;doi=10.7764%2fRDLC.21.2.329&amp;partnerID=40&amp;md5=5cfea3b25e1049d601a7714518ede2d9</a>

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Manikandan M.; Kannan A.R.	Provisioning Intelligent Water Wave Optimization Approach for Underwater Acoustic Wireless Sensor Networks	2022	Computer Systems Science and Engineering	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129263560&amp;doi=10.32604%2fcsse.2022.022662&amp;partnerID=40&amp;md5=c1a6d3e983fd4972a8240a55bc4f027a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129263560&amp;doi=10.32604%2fcsse.2022.022662&amp;partnerID=40&amp;md5=c1a6d3e983fd4972a8240a55bc4f027a</a>
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Sargunan K.; Venkata Rao M.; Alex Rajesh A.; Babu R.; Prasanthni P.; Jagadeep K.; Rinawa M.L.	Experimental investigations on mechanical strength of concrete using nano-alumina and nano-clay	2022	Materials Today: Proceedings	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129168844&amp;doi=10.1016%2fj.matpr.2022.03.703&amp;partnerID=40&amp;md5=0ffa31fa1071382a0628ce18cfa8628f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129168844&amp;doi=10.1016%2fj.matpr.2022.03.703&amp;partnerID=40&amp;md5=0ffa31fa1071382a0628ce18cfa8628f</a>

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