

Journal Publications - (2019 - 2024)

WOS - INDEXED

Year	No. of citations	No. of publications	Avg. Citation index
2019	46	51	0.90
2020	156	45	3.47
2021	349	39	8.95
2022	483	56	8.63
2023	460	43	10.70
<b>Total</b>	1494	234	6.38

Results found	234
Sum of the Times	1504
Average Citations	6.43
h-index	18

Title	Authors	Source Title	Publication Year	Vol	Issue	Beginning Page	Ending Page	DOI
Effect of Silica Nanoparticles and Modified Silica Nanoparticles on the Mechanical and Swelling Properties of EPDM/SBR Blend Nanocomposites	Ragupathy, K.; Prabaharan, G.; Pragadish, N.; Vishvanathperumal, S.	SILICON	2023	15	14	6033	6046	10.1007/s12633-023-02497-1
Encryption with User Authentication Model for Internet of Medical Things Environment	Riya, K. S.; Surendran, R.; Romero, Carlos Andres Tavera; Sendil, M. Sadish	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2023	35	1	507	520	10.32604/iasc.2023.027779
Synthesis, Characterization, Pharmacogenomics, and Molecular Simulation of Pyridinium Type of Ionic Liquids and Their Applications	Tamilarasan, Ramalingam; Ganesan, Kilivelu; Subramani, Annadurai; Ali, Liyakath Benazir; Alam, Mohammed Mujahid; Mohammed, Amanullah	ACS OMEGA	2023					10.1021/acsomega.2c07129
Solvent effect on molecular, electronic parameters, topological analysis and Fukui function evaluation with biological studies of imidazo [1, 2-a] pyridine-8-carboxylic acid	Selvakumari, S.; Potla, Krishna Murthy; Shanthi, D.; Irfan, Ahmad; Muthu, S.	JOURNAL OF MOLECULAR LIQUIDS	2023	382				10.1016/j.molliq.2023.121863

Application of neutrosophic optimal network using operations	Meenakshi, A.; Mythreyi, O.; Bramila, M.; Kannan, A.; Senbagamalar, J.	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2023	45	1	421	433	10.3233/JIFS-223718
Design of Fuzzy Logic Control Framework for QoS Routing in MANET	Vargheese, M.; Vanithamani, S.; David, D. Stalin; Rao, Ganga Rama Koteswara	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2023	35	3	3479	3499	10.32604/iasc.2023.030948
Proactive flow control using adaptive beam forming for smart intra-layer data communication in wireless network on chip	Kumar, T. R. Dinesh; Karthikeyan, A.	AUTOMATIKA	2023	64	4	689	702	10.1080/0051144.2023.2213927
Characterization of fused deposition modeling components fabricated at different print orientations	Sekaran, J. Joshua Gnana; Pragadish, N.; Valsakumari, M. K.; Ravikumar, S.	ENGINEERING RESEARCH EXPRESS	2023	5	2			10.1088/2631-8695/acca d0
Catalytic, Theoretical, and Biological Investigations of Ternary Metal (II) Complexes Derived from L-Valine-Based Schiff Bases and Heterocyclic Bases	Sasikumar, Gopalakrishnan; Subramani, Annadurai; Tamilarasan, Ramalingam; Rajesh, Punniyamurthy; Sasikumar, Ponnusamy; Albukhaty, Salim; Mohammed, Mustafa K. A.; Karthikeyan, Subramani; Al-aqbi, Zaidon T.; Al-Doghachi, Faris A. J.; Taufiq-Yap, Yun Hin	MOLECULES	2023	28	7			10.3390/molecules28072931

Catalytic response and molecular simulation studies in the development of synthetic routes in trimeric triaryl pyridinium type ionic liquids	Tamilarasan, Ramalingam; Subramani, Annadurai; Sasikumar, G.; Ganapathi, Pandurangan; Karthikeyan, S.; Ponnusamy, Sasikumar; Albukhaty, Salim; Mohammed, Mustafa K. A.; Al-aqbi, Zaidon T.; Al-Doghachi, Faris A. J.; Ahmed, Duha S.; Taufiq-Yap, Yun Hin	SCIENTIFIC REPORTS	2023	13	1			10.1038/s41598-023-31476-0
Triplet Label Based Image Retrieval Using Deep Learning in Large Database	Nithya, K.; Rajamani, V	COMPUTER SYSTEMS SCIENCE AND ENGINEERING	2023	44	3	2655	2666	10.32604/csse.2023.027275
Reconfiguration of Photovoltaic Arrays under Partial Shading Conditions Using LSG Method for Maximum Power Extraction	Karthikeyan, M.; Manimegalai, D.	JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY	2023	18	3	2169	2188	10.1007/s42835-022-01232-x
Theoretical Enhancement of Energy Production Performance in PV Arrays through Effective Shadow Detection Using Hybrid Technique	Subhashini, P.; Chitra, P.; Pillai, N. Muthuvairavan; Vanitha, M.	SOLAR ENERGY	2023	264				10.1016/j.solener.2023.112006
Ultrasound mediated nano ZnO catalyzed synthesis of new $\alpha$ -aminophosphonates as potential anti-diabetic agents; an <i>in silico</i> ADMET, molecular docking study, $\alpha$ -amylase and $\alpha$ -glucosidase inhibitory activity	Subramanyam, CH.; Kumar, K. Kiran; Ramana, K. Venkata; Malar, C. Gladis Raja; Mohan, S.; Nagalakshmi, V	SYNTHETIC COMMUNICATIONS	2023					10.1080/00397911.2023.2269583

DiabPrednet: development of attention-based long short-term memory-based diabetes prediction model with optimal weighted feature fusion mechanism	Nagendiran, S.; Rohini, S.; Jagadeesan, P.; Shankari, S.; Harini, R.	COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING-IMAGING AND VISUALIZATION	2023					10.1080/21681163.2023.2258995
Energy efficient optimal hop transmission using minimum power least cost algorithm in cooperative routing for wireless sensor network	James, K. Immanuel Arokia; Manjula, P.; Priya, G. Guga; Karthikeyan, A.	AUTOMATIKA	2023	64	4	1054	1066	10.1080/00051144.2023.2246242
Dynamic low power management technique for decision directed inter-layer communication in three dimensional wireless network on chip	Kumar, T. R. Dinesh; Karthikeyan, A.	AUTOMATIKA	2023	64	4	1280	1295	10.1080/00051144.2023.2261088
Efficient Graph Network Using Total Magic Labeling and Its Applications	Meenakshi, Annamalai; Kannan, Adhimalam; Cep, Robert; Elangovan, Muniyandy	MATHEMATICS	2023	11	19			10.3390/math11194132
The size dependence and defect induced room temperature ferromagnetism of ZnO and Zn 1-x-y AlxZyO (Z=Mg/Ni) nanocomposites	Anithadevi, R.; Kalpana, J.; Shanthi, D.; Ravichandran, C.	JOURNAL OF OVONIC RESEARCH	2023	19	5	493	503	10.15251/JOR.2023.195.493
A Comparative Study of Fuzzy Domination and Fuzzy Coloring in an Optimal Approach	Meenakshi, Annamalai; Kannan, Adhimalam; Mahdal, Miroslav; Karthik, Krishnasamy; Guras, Radek	MATHEMATICS	2023	11	18			10.3390/math11184019
Mathematical modelling of the biofiltration treating mixtures of toluene and N-propanol in the biofilm and gas phase	Li, Shuguang; Chithra, S. M.; Sudha, P. N.; Sankeshwari, Sagar Ningonda; Vignesh, S.; Vairavel, T. Muthukani; Govindan, Vedyappan; Abdalbagi, Mohamed; Fadhl, Bandar M.; Makhdom, Basim M.; Khan, M. Ijaz	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2023	48	76	29759	29770	10.1016/j.ijhydene.2023.03.421

A Heuristic-Concatenated Feature Classification Algorithm (H-CFCA) for autism and epileptic seizure detection	Babu, S. Sivasaravana; Prabhu, V.; Parthasarathy, V.; Kumar, G. Saravana	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2023	86				10.1016/j.bspc.2023.105245
Tribology analysis of MMT nanoclay alkali-treated coconut sheath reinforced hybrid composite	Srinivasan, R. Ganapathy; Pragadish, N.; Esakiraj, E. S.; Selvam, M.; Rajaravi, C.	COMPOSITES AND ADVANCED MATERIALS	2023	32				10.1177/26349833231189516
Experimental investigation and economically productivity improvement analysis on single slope solar still from Ricinus Communis leaves with Ag nanoparticles doped phase change materials	Ellappan, Balaji; Madhavan, Venkata Ramanan	SOLAR ENERGY	2023	261		96	111	10.1016/j.solener.2023.06.011
Steady state concentration in an amperometric biosensor using mathematical modeling	Govindan, Vedyappan; Xin, Xiao; Vignesh, S.; Sudha, P. N.; Sankeshwari, Sagar Ningonda; Vairavel, T. Muthukani; Prakash, R.; Chithra, S. M.; Bala, A. Jyothi	MODERN PHYSICS LETTERS B	2023					10.1142/S021798492341004X
Optimized deep knowledge-based no-reference image quality index for denoised MRI images	Kavitha, K. V. N.; Shanmugam, Ashok; Imoize, Agbotiname Lucky	SCIENTIFIC AFRICAN	2023	20				10.1016/j.sciaf.2023.e01680
Recalling-enhanced recurrent neural network optimized with wood pecker mating algorithm for brain tumor classification	Suganthi, M.; Ashok, S.; Maheswari, A. Uma; Subha, T. D.	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2023	35	22			10.1002/cpe.7729
Thickness, Structure, Composition and Optical Properties of Electrochemically Grown Iron Selenide and Iron Diselenide Thin Films	Thanikaikarasan, S.; Perumal, R.; Thanikaivelan, E.; Ahamad, Tansir; Alshehri, Saad M.	JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS	2023	26	2	101	106	10.14447/jnmes.v26i2.a01

Segmentation of brain tumor subregions with depthwise separable dense U-NET (DSDU-NET)	Nehru, V.; Prabhu, V.	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY	2023	33	4	1323	1334	10.1002/ima.22861
Jellyfish Search Algorithm for MPPT in Photovoltaic Systems Under Partial Shading Conditions	Karthikeyan, M.; Manimegalai, D.	FLUCTUATION AND NOISE LETTERS	2023	22	2			10.1142/S021947752350013X
Synthesis theoretical and experimental spectroscopic characterization of isoniazid-benzoic acid drug complexes: Insilico and invitro biological evaluations	Kavitha, Rengarajan; Sivagami, Swaminathan; Sheshadhri, Jayasree	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	2023	100	3			10.1016/j.jics.2023.100922
Covid-19 Forecasting Using CNN Approach With A Halbinomial Distribution And A Linear Decreasing Inertia Weight-Based Cat Swarm Optimization	Murugesan, Rajesh Khanna; Madhu, Karthikeyan; Sambandam, Jayalakshmi; Malliga, Lakshmanan	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2023	18	1	15	17	10.15837/ijccc.2023.1.4396
INVESTIGATION ON THE EFFECT OF NANOCATALYST (CEO <sub>2</sub> + ZRO <sub>2</sub> ) BLENDED BIODIESEL IN CRDI-VCR ENGINE FOR REDUCING EMISSIONS AND FUEL CONSUMPTION	Selvam, Murugan; Palani, Subbiah Kone; Harish, Kanniah Ananda Krishnan; Pragadish, Nagarajan	ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL	2023	22	2	305	319	10.30638/eemj.2023.024
An IoT-based integrated health monitoring of bulk milk cooler	Ajitha, P.; Sundarapandi, Arun Mozhi Selvi; Soniya, M.; Tamilvizhi, T.	JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY	2023	26	3	851	860	10.47974/JDMSC-1764
Consumer product prediction using machine learning	Ajitha, P.; Tamilvizhi, T.; Sowjanya, K. Naga; Surendran, R.; Bala, Bhoomeshwar	JOURNAL OF INFORMATION & OPTIMIZATION SCIENCES	2023	44	3	565	574	10.47974/JIOS-1415

Performance study of a solar still desalination system coupled with solar air heater	Ellappan, Balaji; Madhavan, Venkata Ramanan; Attia, Mohammed El Hadi	DESALINATION AND WATER TREATMENT	2023	283		109	117	10.5004/dwt.2023.29279
Haemoglobin Measurement from Eye Anterior Ciliary Arteries through Borescope Camera	Farook, Mohamed Abbas Ahamed; Rukmanidevi, S.; Shanker, N. R.	COMPUTER SYSTEMS SCIENCE AND ENGINEERING	2023	44	2	1763	1774	10.32604/csse.2023.026260
Research on Artificial Intelligence based Fruit Disease Identification System (AI-FDIS) with the Internet of Things (IoT)	Kabilesh, S. K.; Mohanapriya, D.; Suseendhar, P.; Indra, J.; Gunasekar, T.; Senthilvel, N.	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2023	44	4	6593	6608	10.3233/JIFS-222017
Prediction of Covid-19 symptoms with chest x-ray to optimize the solution through the MCOA Algorithm for feature extraction and measurement	Natrajan, Prabhakaran; Sekar, Anandha Prasad; Murugan, Kamali; Sabarinathan, Chandrasekar; Chandra, Inbaraj; Prabhu, Venkatesan	PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES	2023	36	1	111	119	10.36721/PJPS.2023.36.1.REG.111-119.1
A Substrate Integrated Waveguide Based Filtenna for X and Ku Band Application	Pauline, S. Leo; GaneshBabu, T. R.	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2023	35	1	465	473	10.32604/iasc.2023.024030
DLMNN Based Heart Disease Prediction with PD-SS Optimization Algorithm	Raghavendra, S.; Parvati, Vasudev; Manjula, R.; Nanda, Ashok Kumar; Singh, Ruby; Lakshmi, D.; Velmurugan, S.	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2023	35	2	1353	1368	10.32604/iasc.2023.027977
Deep learning based computed tomography image classification of COVID-19 patients	Seethalakshmy, A.; Tamilvizhi, T.; Sowjanya, K. Naga; Bala, Bhoomeshwar	JOURNAL OF INTERDISCIPLINARY MATHEMATICS	2023	26	3	371	381	10.47974/JIM-1668
Fuzzy logic based nodes distributed clustering for energy efficient fault tolerance in IoT-enabled WSN	Suresh, S. Sebastin; Prabhu, V; Parthasarathy, V	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2023	44	3	5407	5423	10.3233/JIFS-221733
Enhancing the Output Power of the Partially Shaded PV Array Using the Corona Virus Optimization Algorithm	Karthikeyan, M.; Manimegalai, D.	IETE JOURNAL OF RESEARCH	2023	69	4	1756	1771	10.1080/03772063.2022.2153752

Shading and texture constrained retinex for correcting vignetting on dermatological macro images	Sathish, S.; Sumithra, M. G.; Mohanasundaram, K.	VISUAL COMPUTER	2023	39	2	693	709	10.1007/s00371-021-02368-z
Engineering the active sites tuned MoS <sub>2</sub> nanoarray structures by transition metal doping for hydrogen evolution and supercapacitor applications	Vikraman, Dhanasekaran; Hussain, Sajjad; Karuppasamy, K.; Kathalingam, A.; Jo, Eun-Bee; Sanmugam, Anandhavelu; Jung, Jongwan; Kim, Hyun-Seok	JOURNAL OF ALLOYS AND COMPOUNDS	2022	893				10.1016/j.jallcom.2021.162271
Unmanned Aerial Vehicles (UAV) in Precision Agriculture: Applications and Challenges	Velusamy, Parthasarathy; Rajendran, Santhosh; Mahendran, Rakesh Kumar; Naseer, Salman; Shafiq, Muhammad; Choi, Jin-Ghoo	ENERGIES	2022	15	1			10.3390/en15010217
Quantum Behaved Particle Swarm Optimization-Based Deep Transfer Learning Model for Sugarcane Leaf Disease Detection and Classification	Tamilvizhi, T.; Surendran, R.; Anbazhagan, K.; Rajkumar, K.	MATHEMATICAL PROBLEMS IN ENGINEERING	2022	2022				10.1155/2022/3452413
Quasi oppositional Aquila optimizer-based task scheduling approach in an IoT enabled cloud environment	Kandan, M.; Krishnamurthy, Anbazhagan; Selvi, S. Arun Mozhi; Sikkandar, Mohamed Yacin; Aboamer, Mohamed Abdelkader; Tamilvizhi, T.	JOURNAL OF SUPERCOMPUTING	2022	78	7	10176	10190	10.1007/s11227-022-04311-y
Biopolymer film fabrication for skin mimetic tissue regenerative wound dressing applications	Sellappan, Logesh Kumar; Anandhavelu, Sanmugam; Doble, Mukesh; Perumal, Govindaraj; Jeon, Ji-Hoon; Vikraman, Dhanasekaran; Kim, Hyun-Seok	INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS	2022	71	3	196	207	10.1080/0914037.2020.1817019



Chaotic Salp Swarm Optimization-Based Energy-Aware VMP Technique for Cloud Data Centers	Parthiban, S.; Harshavardhan, A.; Neelakandan, S.; Prashanthi, Vempaty; Aलो, Abdul-Rasheed Akeji Alhassan; Velmurugan, S.	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	2022	2022				10.1155/2022/4343476
Hybridized Particle Swarm-Gravitational Search Algorithm for Process Optimization	Shankar, Rajendran; Ganesh, Narayanan; Cep, Robert; Narayanan, Rama Chandran; Pal, Subham; Kalita, Kanak	PROCESSES	2022	10	3			10.3390/pr10030616
A Conceptual Comparison of Six Nature-Inspired Metaheuristic Algorithms in Process Optimization	Rajendran, Shankar; Ganesh, N.; Cep, Robert; Narayanan, R. C.; Pal, Subham; Kalita, Kanak	PROCESSES	2022	10	2			10.3390/pr10020197
Type II fuzzy-based clustering with improved ant colony optimization-based routing (t2fcatr) protocol for secured data transmission in manet	Nagendranth, M. V. S. S.; Khanna, M. Rajesh; Krishnaraj, N.; Sikkandar, Mohamed Yacin; Aboamer, Mohamed Abdelkader; Surendran, R.	JOURNAL OF SUPERCOMPUTING	2022	78	7	9102	9120	10.1007/s11227-021-04262-w
Privacy Preserving Reliable Data Transmission in Cluster Based Vehicular Adhoc Networks	Tamilvizhi, T.; Surendran, R.; Romero, Carlos Andres Tavera; Sendil, M. Sadish	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022	34	2	1265	1279	10.32604/iasc.2022.026331
Classification of EEG Using Adaptive SVM Classifier with CSP and Online Recursive Independent Component Analysis	Antony, Mary Judith; Sankaralingam, Baghavathi Priya; Mahendran, Rakesh Kumar; Gardezi, Akber Abid; Shafiq, Muhammad; Choi, Jin-Ghoo; Hamam, Habib	SENSORS	2022	22	19			10.3390/s22197596
Experimental spectroscopic investigations, solute-solvent interactions, topological analysis and biological evaluations of N-(9-Fluorenylmethoxycarbonyloxy)succinimide: An effective agent in anti-breast cancer activity	Thirunavukkarasu, M.; Balaji, G.; Shanthi, D.; Prabakaran, P.; Irfan, Ahmad; Muthu, S.	JOURNAL OF MOLECULAR LIQUIDS	2022	362				10.1016/j.molliq.2022.119756

Movie Recommender Systems: Concepts, Methods, Challenges, and Future Directions	Jayalakshmi, Sambandam; Ganesh, Narayanan; Cep, Robert; Murugan, Janakiraman Senthil	SENSORS	2022	22	13			10.3390/s22134904
Automated speech based evaluation of mild cognitive impairment and Alzheimer's disease detection using with deep belief network model	AI-Atroshi, Chia; Rene Beulah, J.; Singamaneni, Kranthi Kumar; Pretty Diana Cyril, C.; Neelakandan, S.; Velmurugan, S.	INTERNATIONAL JOURNAL OF HEALTHCARE MANAGEMENT	2022					10.1080/20479700.2022.2097764
Synthesis of new nicotinic acid hydrazide metal complexes: Potential anti-cancer drug, supramolecular architecture, antibacterial studies and catalytic properties	Ashma, A.; Yahya, Showket; Subramani, A.; Tamilarasan, R.; Sasikumar, G.; Ali, S. J. Askar; Al-Lohedan, Hamad A.; Karnan, Muthusamy	JOURNAL OF MOLECULAR STRUCTURE	2022	1250				10.1016/j.molstruc.2021.131860
Investigation of performance, combustion, and emission characteristics of diesel engine equipped with exhaust gas recirculation using ceria and zirconia nanoparticles-blended rice bran biodiesel	Selvabharathi, Rajendran; Selvam, Murugan; Palani, Subbiah Kone	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	2022	44	2	5508	5526	10.1080/15567036.2020.1829193
Detection of microcracks in silicon solar cells using Otsu-Canny edge detection algorithm	Monicka, S. Gayathri; Manimegalai, D.; Karthikeyan, M.	RENEWABLE ENERGY FOCUS	2022	43		183	190	10.1016/j.ref.2022.09.002
A facile synthesis of polyaniline-WO <sub>3</sub> hybrid nanocomposite for enhanced dopamine detection	Vanitha, C.; Sanmugam, Anandhavelu; Yogananth, A.; Rajasekar, M.; Kuppusamy, P. G.; Devasagayam, G.	MATERIALS LETTERS	2022	328				10.1016/j.matlet.2022.133149
Donor acceptor groups effect, polar protic solvents influence on electronic properties and reactivity of 2-Chloropyridine-4-carboxylic acid	Selvakumari, S.; Venkataraju, C.; Muthu, S.; Irfan, Ahmad; Shanthi, D.	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	2022	99	6			10.1016/j.jics.2022.100478

Analysis of DI CI engine fueled with neat plastic oil and titanium oxide nanomaterial as an additive	Sathyamurthy, Ravishankar; Salman, Mohammad Sahil; Vijayabalan, P.; Sundar, S. Padmanaba; Dharmaraj, Vijayakumar	MATERIALS TODAY-PROCEEDINGS	2022	50		560	564	10.1016/j.matpr.2020.11.204
Artifact Removal from EEG signals using Regenerative Multi-Dimensional Singular Value Decomposition and Independent Component Analysis	Judith, A. Mary; Priya, S. Baghavathi; Mahendran, Rakesh Kumar	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2022	74				10.1016/j.bspc.2021.103452
Federated Learning for Privacy-Preserved Medical Internet of Things	Thilakarathne, Navod Neranjan; Muneeswari, G.; Parthasarathy, V; Alassery, Fawaz; Hamam, Habib; Mahendran, Rakesh Kumar; Shafiq, Muhammad	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022	33	1	157	172	10.32604/iasc.2022.023763
An efficient epileptic seizure detection based on tunable Q-wavelet transform and DCVAE-stacked Bi-LSTM model using electroencephalogram	Sivasaravanababu, S.; Prabhu, V; Parthasarathy, V; Mahendran, Rakesh Kumar	EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS	2022	231	11-12	2425	2437	10.1140/ejps/s11734-021-00380-x
Cytotoxic effect of functionalized superparamagnetic samarium doped iron oxide nanoparticles for hyperthermia application	Hemalatha, K.; Alamelumangai, K.; Arulmozhi, R.; Chandunika, R. K.; Sahu, Niroj Kumar; Parthipan, G.; Rajaram, Muralidharan	CERAMICS INTERNATIONAL	2022	48	17	24485	24495	10.1016/j.ceramint.2022.05.078
Artificial Deep Neural Network in Hybrid PV System for Controlling the Power Management	Sahoo, Satyajeet; Amirthalakshmi, T. M.; Ramesh, S.; Ramkumar, G.; Arockia Dhanraj, Joshuva; Ranjith, A.; Obaid, Sami Al; Alfarraj, Saleh; Kumar, S. S.	INTERNATIONAL JOURNAL OF PHOTOENERGY	2022	2022				10.1155/2022/9353470

A comparative study on solar dryer using external reflector for drying grapes	Dharmadurai, P. Leon; Vasanthaseelan, S.; Bharathwaaj, R.; Dharmaraj, Vijayakumar; Gnanasekaran, K.; Balaji, D.; Sathyamurthy, Ravishankar	MATERIALS TODAY- PROCEEDINGS	2022	50		552	559	10.1016/j. matpr.202 0.11.197
Feature Extraction and Object Detection Using Fast-Convolutional Neural Network for Remote Sensing Satellite Image	Devi, N. Bharatha; Kavida, A. Celine; Murugan, R.	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	2022	50	6	961	973	10.1007/s 12524- 022- 01506-x
Effect of Silane Treated Wheat Husk Biosilica (WHB) Deionized Water Dielectric on EDM Drilling of Ti-6Al-4 V Alloy	Suresh, K.; Karuppasamy, K.; Palani, S.; Krishnan, S. Suseel Jai; Maridurai, T.	SILICON	2022	14	14	9143	9151	10.1007/s 12633- 021- 01526-1
A Novel Routing Protocol for Low-Energy Wireless Sensor Networks	Suresh, Sebastin; Prabhu, V; Parthasarathy, V; Boddu, Rajasekhar; Sucharitha, Yadala; Teshite, Gemmachis	JOURNAL OF SENSORS	2022	2022				10.1155/2 022/8244 176
Detection of DDoS Attack in IoT Networks Using Sample Selected RNN-ELM	Hariprasad, S.; Deepa, T.; Bharathiraja, N.	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022	34	3	1425	1440	10.32604/ iasc.2022. 022856
Investigations on hybrid wavelength-mode-orthogonal frequency-division multiplexing scheme based free space optical transmission system under varying atmospheric conditions	Joseph, Deepthi; Karthikeyan, A.; Kuppusamy, P. G.; Prabhu, V.	OPTICAL AND QUANTUM ELECTRONICS	2022	54	1			10.1007/s 11082- 021- 03456-z
Intelligent Chimp Metaheuristics Optimization with Data Encryption Protocol for WSN	Manjula, P.; Priya, Dr S. Baghavathi	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022	32	1	573	587	10.32604/ iasc.2022. 020969

Experimental investigation of removal of flue gas emissions exhaust from municipal solid waste incinerator using photovoltaic-based electrostatic precipitator	Pannerselvam, Anandhraj; Kuppusamy, Mohana Sundaram; Shanmugapriyan, Jayaraman; Kaliappan, Vishnu Kumar; Sathyamurthy, Ravishankar	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022	29	8	11209	11218	10.1007/s11356-021-16378-w
Functionalization and Haemolytic analysis of pure superparamagnetic magnetite nanoparticle for hyperthermia application	Kothandaraman, Hemalatha; Kaliyamoorthy, Alamelumangai; Rajaram, Arulmozhi; Kalaiselvan, Chandunika R.; Sahu, Niroj Kumar; Govindasamy, Parthipan; Rajaram, Muralidharan	JOURNAL OF BIOLOGICAL PHYSICS	2022	48	4	383	397	10.1007/s10867-022-09614-y
Optimal Deep Learning-Based Vocal Fold Disorder Detection and Classification Model on High-Speed Video Endoscopy	Sakthivel, S.; Prabhu, V.	JOURNAL OF HEALTHCARE ENGINEERING	2022	2022				10.1155/2022/4248938
Transformation of magnetic ordering in $MnCo_{1-x}Ni_x$ ( $x=0-0.6$ ) alloys, its investigations on structural, transport, magnetic, and magnetocaloric properties	Devarajan, U.; Nair, Sunil; Venkateswaran, C.	MATERIALS TODAY-PROCEEDINGS	2022	65		168	175	10.1016/j.matpr.2022.06.066
Co-operative beam forming selection with energy balanced operation for wireless sensor network	James, K. Immanuel Arokia; Prabakaran, R.; Karthikeyan, A.; Prianka, R. R.	WIRELESS NETWORKS	2022					10.1007/s11276-022-03067-w
Internet of Things-Based Patient Cradle System with an Android App for Baby Monitoring with Machine Learning	Kumar, V. Suresh; Pullagura, Lokaiah; Kumari, Nalli Vinaya; Nayak, S. Pooja; Devi, B. Padmini; Alharbi, Adnan; Asakipaam, Simon Atuah	WIRELESS COMMUNICATIONS & MOBILE COMPUTING	2022	2022				10.1155/2022/1140789

Investigations on Wear Behavior of Aluminium Composites at Elevated Temperature	Senthil Kumar, B. R.; Gopalarama Subramaniyan, G.; Pragadish, N.; Venkatesh, P. M.; Sanjay, Soni; Velu, C. M.; Navaneethkrishnan, G.; Vellingiri, Suresh; Govindarajan, Venkatesan	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2022	2022				10.1155/2022/9594798
A numerical analysis of friction stir welded joint using FEA	Logesh, M.; Kumar, D. Vijaya; Shankaranarayana, Ramesh; Sathyamurthy, Ravishankar; Dhanapal, Balaji	MATERIALS TODAY-PROCEEDINGS	2022	62		2362	2369	10.1016/j.matpr.2022.04.850
A Review on Investigation of PV Solar Panel Surface Defects and MPPT Techniques	Subarnan, Gayathri Monicka; Damodaran, Manimegalai; Madhu, Karthikeyan	RECENT ADVANCES IN ELECTRICAL & ELECTRONIC ENGINEERING	2022	15	8	607	620	10.2174/2352096515666220620093933
A Fast and Effective Method for Intrusion Detection using Multi-Layered Deep Learning Networks	Srikrishnan, A.; Raaza, Arun; Abishek, Ebenezer; Rajendran, V; Anand, M.; Gopalakrishnan, S.; Meena, M.	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS	2022	13	12	130	142	
Fabrication and characterization of nanoparticle biomaterial scaffold for treating burn wounds	Ramkumar, S.; Nivetha, A. S.; Saravanan, S.; Harchana, R.; Sathyasri, B.; Sammeta, Naresh	JOURNAL OF MATERIALS RESEARCH	2022	37	23	4360	4367	10.1557/s43578-022-00807-8
Image Enhancement and Implementation of CLAHE Algorithm and Bilinear Interpolation	Venkatesh, S.; John De Britto, C.; Subhashini, P.; Somasundaram, K.	CYBERNETICS AND SYSTEMS	2022					10.1080/01969722.2022.2147128
Effect of dopant concentration Mn in SnO2 nanoparticles on photocatalytic, magnetic and optical properties	Renuga, R.; Srinivasan, S.; Thangeeswari, T.; Suresh, S.; Priyadharshini, E.; Bomila, R.	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	2022	17	4	1475	1489	10.15251/DJNB.2022.174.1475

Machine Learning Techniques for Automated and Early Detection of Brain Tumor	Zamani, Abu Sarwar; Deepa, S.; Meenakshi; Kaliyaperumal, Karthikeyan; Bangare, Manoj L.; Ritonga, Mahyudin	INTERNATIONAL JOURNAL OF NEXT-GENERATION COMPUTING	2022	13	3	412	420	
Design and Fabrication of Flexible Nanoantenna-Based Sensor Using Graphene-Coated Carbon Cloth	Kandasamy, Senthil Kumar; Maheswaran, S.; Karuppusamy, S. Anbu; Indra, J.; Anand, R.; Rega, P.; Kavitha, A.; Immanuel Arokia James, K.; Nehru, Kasthuri; Kathiresan, K.	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2022	2022				10.1155/2022/2265904
Synthesis of a Novel Nanoparticle BaCoO <sub>2.6</sub> through Sol-Gel Method and Elucidation of Its Structure and Electrical Properties	Rafiq, Fareenpoornima; Govindsamy, Parthipan; Periyasamy, Selvakumar	JOURNAL OF NANOMATERIALS	2022	2022				10.1155/2022/3877879
Denosing and segmentation of brain image by proficient blended threshold and conserve edge scrutinize technique	Veerabatheran, Nehru; Venkatesan, Prabhu; Mahendran, Rakesh Kumar	COMPUTATIONAL INTELLIGENCE	2022					10.1111/coin.12542
Understanding of controllable optical memory using 1D InP based photonic structures at three communication windows	Khanna, M. Rajesh; Karthikeyan, A.; Kuppusamy, P. G.; Prianka, R. R.	OPTICAL AND QUANTUM ELECTRONICS	2022	54	6			10.1007/s11082-022-03682-z
Surface roughness and microstructure analysis on drilling of titanium diboride <i>in-situ</i> aluminium metal matrix composite	Rajaravi, C.; Elaiyaran, U.; Gobalakrishnan, B.; Ganapathy Srinivasan, R.	SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES	2022	10	2			10.1088/2051-672X/ac7a54
Corrosion behavior and analysis on friction stir welded aluminium matrix composites	Selvamani, S. T.; Bakkiyaraj, M.; Palani, S.; Yoganandan, G.	SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES	2022	10	2			10.1088/2051-672X/ac7a50

Comparative Analysis over Tribology Characterization of TiAl N and TiAlSiN PVD Coating on Plasma Nitride Alloy 20	Srinivasan, R. Ganapathy; Palani, S.; Rajaravi, C.; Karthik, S.	JOURNAL OF INORGANIC AND ORGANOMETALIC POLYMERS AND MATERIALS	2022	32	6	2082	2093	10.1007/s10904-022-02271-7
UPQC-based effective mitigation of harmonics by signal processing approach	Nagarajan, Ananthan; Suganyadevi, M. V.	JOURNAL OF POWER ELECTRONICS	2022	22	3	454	464	10.1007/s43236-021-00368-9
Weber Global Statistics Tri- Directional Pattern (WGSTriDP): A Texture Feature Descriptor for Image Retrieval	Chelladurai, Callins Christiyana; Vayanaperumal, Rajamani	INFORMATION TECHNOLOGY AND CONTROL	2022	51	3	515	530	10.5755/j01.itc.51.3.30795
FACTORS AFFECTING ENGLISH COMMUNICATION, AS A FOREIGN/NON-NATIVE LANGUAGE	Mudduluru, Ramana Raju	INTERNATIONAL JOURNAL OF EARLY CHILDHOOD SPECIAL EDUCATION	2022	14	3	9050	9057	10.9756/INT-JECSE/V14I3.1049
Optimized Image Multiplication with Approximate Counter Based Compressor	Savio, M. Maria Dominic; Deepa, T.; Bharathiraja, N.; Bonasu, Anudeep	CMC-COMPUTERS MATERIALS & CONTINUA	2022	72	2	3815	3834	10.32604/cmc.2022.025924
A Neuro Fuzzy with Improved GA for Collaborative Spectrum Sensing in CRN	Velmurugan, S.; Ezhumalai, P.; Anita, E. A. Mary	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022	34	2	1093	1108	10.32604/iasc.2022.026308
Heart Disease Diagnosis Using Electrocardiography (ECG) Signals	Vimal, V. R.; Anandan, P.; Kumaratharan, N.	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2022	32	1	31	43	10.32604/iasc.2022.017622
Programmed for Automatic Bone Disorder Clustering Based on Cumulative Calcium Prediction for Feature Extraction	Ramkumar, S.; Kumar, M. Rajeev; Sasi, G.	CLINICAL LABORATORY	2022	68	8	1579	1587	10.7754/Clin.Lab.2021.210844
Maximizing Capacity Usage and Selection of Optimal Antennas to Improve Spectrum Efficiency in Massive MIMO Technology	Joann, J. Daphney; Rajamani, V	WIRELESS PERSONAL COMMUNICATIONS	2022	123	1	259	271	10.1007/s11277-021-09130-7



An Enhanced Fuzzy Segmentation Framework for extracting white matter from T1-weighted MR images	Vinurajkumar, S.; Anandhavelu, S.	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2022	71				10.1016/j.bspc.2021.103093
Invariant packet feature with network conditions for efficient low rate attack detection in multimedia networks for improved QoS	Suchithra, M.; Baskar, M.; Ramkumar, J.; Kalyanasundaram, P.; Amutha, B.	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021	12	5	5471	5477	10.1007/s12652-020-02056-1
Copper Oxide Nanorod/Reduced Graphene Oxide Composites for NH <sub>3</sub> Sensing	Sivalingam, Muthu Mariappan; Olmos-Asar, Jimena A.; Vinoth, Elangovan; Tharmar, Thangeeswari; Shkir, Mohd; Said, Zafar; Balasubramanian, Karthikeyan	ACS APPLIED NANO MATERIALS	2021	4	12	12977	12985	10.1021/acsnm.1c01831
Insight on the optoelectronics and enhanced dielectric properties of strontium decorated PbI <sub>2</sub> nanosheets for hot carrier solar cell applications	Mariappan, S. Muthu; Shkir, Mohd; Alshahrani, T.; Elangovan, V; Algarni, H.; AlFaify, S.	JOURNAL OF ALLOYS AND COMPOUNDS	2021	859				10.1016/j.jallcom.2020.157762
Effect of Ceramic Particulate Addition on Aluminium Based Ex-Situ and In-Situ Formed Metal Matrix Composites	Gobalakrishnan, B.; Rajaravi, C.; Udhayakumar, Gobikrishnan; Lakshminarayanan, P. R.	METALS AND MATERIALS INTERNATIONAL	2021	27	9	3695	3708	10.1007/s12540-020-00868-6
Security and Privacy Issues in Medical Internet of Things: Overview, Countermeasures, Challenges and Future Directions	Elhoseny, Mohamed; Thilakarathne, Navod Neranjan; Alghamdi, Mohammed I.; Mahendran, Rakesh Kumar; Gardezi, Akber Abid; Weerasinghe, Hesiri; Welhenge, Anuradhi	SUSTAINABILITY	2021	13	21			10.3390/su132111645
Random Forest Regression-Based Machine Learning Model for Accurate Estimation of Fluid Flow in Curved Pipes	Ganesh, N.; Jain, Paras; Choudhury, Amitava; Dutta, Prasun; Kalita, Kanak; Barsocchi, Paolo	PROCESSES	2021	9	11			10.3390/pr112095

Experimental investigation to control HC, CO & NOx emissions from diesel engines using diesel oxidation catalyst	Nadanakumar, V; Muthiya, S. Jenoris; Prudhvi, T.; Induja, S.; Sathyamurthy, Ravishankar; Dharmaraj, Vijayakumar	MATERIALS TODAY- PROCEEDINGS	2021	43		434	440	10.1016/j. matpr.202 0.11.964
Impact of reducing agents on the ammonia sensing performance of silver decorated reduced graphene oxide: Experiment and first principles calculations	Mariappan, Sivalingam Muthu; Eswaran, Mathan K.; Schwingenschlogl, Udo; Thangeeswari, Tharmar; Vinoth, Elangovan; Shkir, Mohd; Said, Zafar; Karthikeyan, Balasubramanian	APPLIED SURFACE SCIENCE	2021	558				10.1016/j. apsusc.20 21.14988 6
Spectroscopic (FT-IR, FT-Raman, UV-Vis) molecular structure, electronic, molecular docking, and thermodynamic investigations of indole-3-carboxylic acid by DFT method	Sathish, M.; Rajasekaran, L.; Shanthi, D.; Kanagathara, N.; Sarala, S.; Muthu, S.	JOURNAL OF MOLECULAR STRUCTURE	2021	1234				10.1016/j. molstruc.2 021.1301 82
An efficient priority-based convolutional auto-encoder approach for electrocardiogram signal compression in Internet of Things based healthcare system	Mahendran, Rakesh Kumar; Velusamy, Parthasarathy; Parthasarathy, R.; Shanmugapriyan, J.; Pandian, Prakash	TRANSACTIONS ON EMERGING TELECOMMUNI CATIONS TECHNOLOGIES	2021	32	1			10.1002/et t.4115
Fabrication of dual layered biocompatible herbal biopatch from biological waste for skin-tissue regenerative applications	Sellappan, Logesh Kumar; Sanmugam, Anandhavelu; Manoharan, Swathy	INTERNATIONA L JOURNAL OF BIOLOGICAL MACROMOLEC ULES	2021	183		1106	1118	10.1016/j. ijbiomac.2 021.05.03 9
Electrochemically Deposited Porous Graphene-Polypyrrole-Polyphenol Oxidase for Dopamine Biosensor	Ramu, P.; Vimal, S. P.; Suresh, P.; Saravanakumar, U.; Sethuraman, V; Anandhavelu, S.	ELECTROANAL YSIS	2021	33	3	774	780	10.1002/el an.202060 400
Detection of fetal arrhythmia by adaptive single channel electrocardiogram extraction	Suganthi, M.; Joy, S. Immaculate; Anandan, P.	PHYSICAL AND ENGINEERING SCIENCES IN MEDICINE	2021	44	3	683	692	10.1007/s 13246- 021- 01016-z

Synthesis and characterization of tritendate Schiff base rare earth nano metal complexes	Kavitha, A.; Easwaramoorthy, D.; Thangeeswari, T.; Parthipan, G.; Shanmugan, S.; Ansari, Thamean	MATERIALS TODAY-PROCEEDINGS	2021	34		453	459	10.1016/j.matpr.2020.02.663
Review on home energy management system	Balakrishnan, R.; Geetha, V.	MATERIALS TODAY-PROCEEDINGS	2021	47		144	150	10.1016/j.matpr.2021.04.029
Detection of diabetic retinopathy using OCT image	Devi, M. Sakthi sree; Ramkumar, S.; Kumar, S. Vinuraj; Sasi, G.	MATERIALS TODAY-PROCEEDINGS	2021	47		185	190	10.1016/j.matpr.2021.04.070
Synthesize of gadolinium-doped ZnO nano particles for energy applications by enhance its optoelectronic properties	Thangeeswari, T.; Parthipan, G.; Shanmugan, S.; Raju	MATERIALS TODAY-PROCEEDINGS	2021	34		448	452	10.1016/j.matpr.2020.02.662
Optimal prediction of attacks and arterial stiffness effects on heart disease by hybrid machine learning algorithm	Elumalai, Anupriya; Maruthi, P. Baby; Gautam, Neha; Priyadarshini, S.; Suganthy, M.	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021					10.1007/s12652-020-02706-4
Study of synthesis, characterization and thermo physical properties of Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -TiO <sub>2</sub> /H <sub>2</sub> O based tri-hybrid nanofluid	Palanisamy, R.; Parthipan, G.; Palani, S.	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	2021	16	3	939	949	
Systematic effective modeling and geospatial information framework for environmental issues in urban areas	Su, Fang; Li, Mingming; Shanthini, A.; Parthasarathy, R.	ENVIRONMENTAL IMPACT ASSESSMENT REVIEW	2021	86				10.1016/j.eiar.2020.106507
An energy-efficient centralized dynamic time scheduling for internet of healthcare things	Mahendran, Rakesh Kumar; Prabhu, V; Parthasarathy, V; Thirunavukkarasu, Usharani; Judith, Mary A.; Jagadeesan, S.	MEASUREMENT	2021	186				10.1016/j.measurement.2021.110230

Investigations on caesium-incorporated rubidium tin chloride-defect perovskite nanomaterial as highly efficient ultraviolet photocatalysts	Ganesan, R.; Muralidharan, R.; Parthipan, G.; Vinodhini, S. P.; Balasubramani, V; Sridhar, T. M.; Arulmozhi, R.; Leelavathi, H.	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	2021	32	20	25409	25424	10.1007/s10854-021-07001-2
Gender-Based Vegetarian and Nonvegetarian Dietary Impact on Cardiac Autonomic Function of Heart Rate Variability	George, Kiran; Immaculate, Joy S.; Thomas, Nisha Susan; Balamurali, R.; Baskaran, K.	JOURNAL OF THE AMERICAN COLLEGE OF NUTRITION	2021	40	3	237	241	10.1080/07315724.2020.1753130
An advanced artificial intelligence technique for resource allocation by investigating and scheduling parallel-distributed request/response handling	Geetha, R.; Parthasarathy, V	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021	12	7	6899	6909	10.1007/s12652-020-02334-y
Patient health care intensive care system using wearable band sensor network	Ramkumar, S.; Kumar, M. Rajeev; Rajalakshmi, S.; Rathi, M.	MATERIALS TODAY- PROCEEDINGS	2021	47		80	87	10.1016/j.matpr.2021.03.655
Multi-Objective High-Fidelity Optimization Using NSGA-III and MO-RPSOLC	Ganesh, N.; Ragavendran, Uvaraja; Kalita, Kanak; Jain, Paras; Gao, Xiao-Zhi	CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES	2021	129	2	443	464	10.32604/cmcs.2021.014960
Influence of optimization techniques and nano surface coating materials on microstructure of iron-nickel-chromium alloy using wire EDM process	Selvabharathi, R.; Srinivasan, R. Ganapathy; Palani, S.	MATERIALS SCIENCE-POLAND	2021	39	2	152	165	10.2478/msp-2021-003
Mixed pixel removal in north Tamil Nadu region for accurate area measurement	Mani, P.; Nagalingam, S. Rajendiran; Kavida, K. Celine; Elanchezhian, G.	COMPUTATIONAL INTELLIGENCE	2021	37	2	1015	1034	10.1111/coin.12447
Study of Mechanical Properties of Alkali Treated Smilax Zeylanica Fiber/Sisal Fiber/Vinyl Ester Hybrid Composites under Wet Condition	Ayyanar, Athijayamani; Ramkumar, G. P.; Batcha, Alavudeen Aziz; Mani, Thiruchitrabalam	MATERIALS SCIENCE-MEDZIAGOTYR A	2021	27	2	224	231	10.5755/j02.ms.25410

FPGA Implementation of DC Bias Removal Filters - A Case Study with an ECG Signal	Sasi, G.; Vimala, R.; Sivaraju, S. S.; Ramya, R.; Elamaran, V.	ICSPC'21: 2021 3RD INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING AND COMMUNICATION (ICPSC)	2021			1	5	10.1109/ICSPC51351.2021.9451774
Finger vein pattern recognition using image processing technique	Harchana, R.; Mahalakshmi, A.; Nivetha, A. S.; Sridhar, A. V.	MATERIALS TODAY-PROCEEDINGS	2021	47		151	153	10.1016/j.matpr.2021.04.030
SOME 3-DIVISOR CORDIAL GRAPHS DERIVED FROM PATH	Narayanan, S. Sathish; Vijayaragavan, M.	JORDAN JOURNAL OF MATHEMATICS AND STATISTICS	2021	14	2	335	350	
Extracting the cervical cancer cell region through super pixel segmentation	Prianka, R. R.; Kavida, A. Celine	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021					10.1007/s12652-021-03259-w
Analysis of mechanical properties of cold extruded Al 6061 TiB <sub>2</sub> MMCs and validated for finite element analysis	Gobalakrishnan, B.; Rajaravi, C.; Udhayakumar, Gobikrishnan; Lakshminarayanan, P. R.; Prabhu, M. Sivanesh	MATERIALS TODAY-PROCEEDINGS	2021	43		1283	1292	10.1016/j.matpr.2020.08.773
Intracluster cooperative communication in smart home scenario through stable election protocol	Immanuvel Arokia James, K.; Prabakaran, R.	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2021	33	3			10.1002/cpe.5365
A Collective and Comparative Study of Various Routing Protocols and the Threats in MANET	Ramadass, Parthasarathy; Sankar, Manjula; Shanmugapriyan, J.	INTERNATIONAL JOURNAL OF KNOWLEDGE AND SYSTEMS SCIENCE	2021	12	1	37	47	10.4018/IJKSS.2021010103
Morphological Based Medical Image Processing on Cervical Cytology Cancer Images Using Connected Component Techniques	Robert, P.; Kavida, A. Celine	CURRENT MEDICAL IMAGING	2021	17	12	1439	1450	10.2174/1573405617666210707161945

ONE-POT SYNTHESIS OF CHITOSAN@CoFe <sub>2</sub> O <sub>3</sub> -GRAPHENE OXIDENANOCOMPOSITES AS ELECTRODE MATERIALS FOR ELECTROCHEMICAL BIOSENSOR AND SUPER CAPACITOR	Vanitha, C.; Sucharitha, M.; Anandhavelu, S.; Sethuraman, V; Yogananth, A.	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	2021	16	1	151	160	
Friendly ad hoc routing in cloud scenario using CH selection and transmission head to enrich the security mechanism	Parthasarathy, R.; Shanmugapriyan, J.	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021	12	2	3189	3198	10.1007/s12652-020-02477-y
Engineering the novel MoSe <sub>2</sub> -Mo <sub>2</sub> C hybrid nanoarray electrodes for energy storage and water splitting applications	Vikraman, Dhanasekaran; Hussain, Sajjad; Karuppasamy, K.; Feroze, Asad; Kathalingam, A.; Sanmugam, Anandhavelu; Chun, Seung-Hyun; Jung, Jongwan; Kim, Hyun-Seok	APPLIED CATALYSIS B-ENVIRONMENTAL	2020	264				10.1016/j.apcatb.2019.118531
Procuring cooperative intelligence in autonomous vehicles for object detection through data fusion approach	Daniel, Alfred; Subburathinam, Karthik; Anand Muthu, Bala; Rajkumar, Newlin; Kadry, Seifedine; Mahendran, Rakesh Kumar; Pandian, Sanjeevi	IET INTELLIGENT TRANSPORT SYSTEMS	2020	14	11	1410	1417	10.1049/iet-its.2019.0784
A secure fuzzy extractor based biometric key authentication scheme for body sensor network in Internet of Medical Things	Mahendran, Rakesh Kumar; Velusamy, Parthasarathy	COMPUTER COMMUNICATIONS	2020	153		545	552	10.1016/j.comcom.2020.01.077
Influence of severe double shot peening on microstructure properties of Ti 6Al-4V and Titanium Grade 2 dissimilar joints using laser beam welding	Logesh, M.; Selvabharathi, R.; Thangeeswari, T.; Palani, S.	OPTICS AND LASER TECHNOLOGY	2020	123				10.1016/j.optlastec.2019.105883

An energy-aware buffermanagement (EABM) routing protocol for WSN	Jayarajan, P.; Kanagachidambaresan, G. R.; Sundararajan, T. V. P.; Sakthipandi, K.; Maheswar, R.; Karthikeyan, A.	JOURNAL OF SUPERCOMPUTING	2020	76	6	4543	4555	10.1007/s11227-018-2582-4
PSO-tuned support vector machine metamodels for assessment of turbulent flows in pipe bends	Narayanan, Ganesh; Joshi, Milan; Dutta, Prasun; Kalita, Kanak	ENGINEERING COMPUTATIONS	2020	37	3	981	1001	10.1108/E-C-05-2019-0244
Robust metamodels for accurate quantitative estimation of turbulent flow in pipe bends	Ganesh, N.; Dutta, P.; Ramachandran, M.; Bhoi, A. K.; Kalita, K.	ENGINEERING WITH COMPUTERS	2020	36	3	1041	1058	10.1007/s00366-019-00748-7
Growth, structural, optical, thermal and dielectric behaviour of a novel organic nonlinear optical (NLO) material: Benzimidazolium trichloroacetate monohydrate	Jagadesan, A.; Sivakumar, N.; Arjunan, S.; Parthipan, G.	OPTICAL MATERIALS	2020	109				10.1016/j.optmat.2020.110285
Enhancing the use of coal-fly ash in coarse aggregates concrete	Shanmugan, S.; Deepak, V.; Nagaraj, J.; Jangir, Deepak; Jegan, S. Viyagula; Palani, S.	MATERIALS TODAY-PROCEEDINGS	2020	30		174	182	10.1016/j.matpr.2020.05.734
Effects of heat distribution during cold metal transfer arc welding on galvanized steel using volumetric heat source model	Selvamani, S. T.; Velmurugan, S.; Balasubramanian, V.; Palanikumar, K.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2020	9	5	10097	10109	10.1016/j.jmrt.2020.07.004
Structure, morphology and opto-nonlinear behaviors of Nd:PbI <sub>2</sub> /FTO thin film system for optoelectronics	Khan, Ziaul Raza; Shkir, Mohd; Khan, Aslam; Mariappan, Sivalingam Muthu; Balaji, M.; Sheikh, Md Raheijuddin; AlFaify, S.	SOLID STATE SCIENCES	2020	103				10.1016/j.solidstatesciences.2020.106192
Performance Evaluation of Depth Adjustment and Void Aware Pressure Routing (DA-VAPR) Protocol for Underwater Wireless Sensor Networks	Ganesh, N.	COMPUTER JOURNAL	2020	63	2	193	202	10.1093/comjnl/bxz093

An Intelligent Predictive Model -Based Multi -Response Optimization of EDM Process	Ganesh, N.; Ghadai, R. K.; Bhoi, A. K.; Kalita, K.; Gao, Xiao-Zhi	CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES	2020	124	2	459	476	10.32604/cmcs.2020.09645
FPGA based substantial power evolution controlling strategy for solar and wind forecasting grid connected system	Anand, P.; Sundaram, K. Mohana	MICROPROCESSORS AND MICROSYSTEMS	2020	74				10.1016/j.micpro.2020.103001
A pattern analysis based underwater video segmentation system for target object detection	Rajasekar, M.; Kavida, Celine A.; Bennet, Anto M.	MULTIDIMENSIONAL SYSTEMS AND SIGNAL PROCESSING	2020	31	4	1579	1602	10.1007/s11045-020-00721-4
Pose and occlusion invariant face recognition system for video surveillance using extensive feature set	Yoganand, A. Vivek; Kavida, A. Celine; Devi, D. Rukmani	INTERNATIONAL JOURNAL OF BIOMEDICAL ENGINEERING AND TECHNOLOGY	2020	33	3	222	239	
Study and evaluation of cold joining on metals and non metals combinations (ss, al, acr) using polymer based adhesive	Valasamudram, V.; Sairam, K.; Gopal, R. Dinesh; Sridhar, K.	MATERIALS TODAY-PROCEEDINGS	2020	27		2806	2810	10.1016/j.matpr.2019.12.371
A Fuzzy Model for Noise Estimation in Magnetic Resonance Images	Shanmugam, A.; Devi, S. Rukmani	IRBM	2020	41	5	261	266	10.1016/j.irbm.2019.11.005
A design and implementation of polling TDMA with a comparative analysis with time division multiple access for sporting application	Mustafa, M. Mohammed; Parthasarathy, V	WIRELESS NETWORKS	2020	26	3	1897	1904	10.1007/s11276-018-1879-9
Synthesis of dimeric pyridinium bromide under silica supported approach	Tamilarasan, Ramalingam; Govindaraj, Sadaiyan; Ganesan, Kilivelu	SYNTHETIC COMMUNICATIONS	2020	50	8	1190	1198	10.1080/0397911.2020.1733611
DETECTION AND CLASSIFICATION OF 2D AND 3D HYPER SPECTRAL IMAGE USING ENHANCED HARRIS CORNER DETECTOR	Pavithra, S.; Karthikeyan, A.; Anu, P. M.	SCALABLE COMPUTING-PRACTICE AND EXPERIENCE	2020	21	1	93	100	10.12694/scpe.v21i1.1625



Texture classification using optimized local ternary patterns with nonlinear diffusion as pre-processing	Raja, G. Madasamy; Thaha, Mohamed; Latha, R.; Karthikeyan, A.	MULTIMEDIA TOOLS AND APPLICATIONS	2020	79	5-6	3831	3846	10.1007/s11042-019-7197-0
The importance of public support in the implementation of green transportation in smart cities using smart vehicle bicycle communication transport	Li, Ning; Parthasarathy, R.; Padwal, Harshila H.	ELECTRONIC LIBRARY	2020	38	5-6	997	1011	10.1108/E-L-07-2020-0210
SPCACF: SECURED PRIVACY-CONSERVING AUTHENTICATION SCHEME USING CUCKOO FILTER IN VANET	Rengarajan, A.; Thaha, Mohammed M.	SCALABLE COMPUTING-PRACTICE AND EXPERIENCE	2020	21	1	101	105	10.12694/scpe.v2i1.1626
Artificial Neural Network based SVPWM for Five Level Cascaded H-bridge Inverter fed Grid connected PV System	Palanisamy, R.; Sundram, K. Mohana; Selvakumar, K.; Boopathi, C. S.; Selvabharathi, D.; Vijayakumar, V.	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2020	39	6	8453	8462	10.3233/JIFS-189163
Internet of underground things-assisted performance evaluation for underbalanced drilling telemetry systems	Xie, Haiming; Zhou, Jing; Zhang, Peifen; Kumar, Rakesh; Parthasarathy, R.	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2020	31	12			10.1002/ett.4039
Geometric distortion and mixed pixel elimination via TDYWT image enhancement for precise spatial measurement to avoid land survey error modeling	Prabu, M.; Shanker, N. R.; Celine Kavida, A.; Ganesh, E.	SOFT COMPUTING	2020	24	19	14687	14705	10.1007/s00500-020-04814-x
Prediction Based Compression Algorithm for Univariate and Multivariate Data in Wireless Communication Networks	Grace, N. Vini Antony; Chilambuchelvan, A.; Shanmugapriyan, J.	JOURNAL OF INTERNET TECHNOLOGY	2020	21	2	489	499	10.3966/160792642020032102017
Original Objective Edge Similarity Metric for denoising applications in MR images	Shanmugam, Ashok; Devi, S. Rukmani	BIOCYBERNETICS AND BIOMEDICAL ENGINEERING	2020	40	1	574	582	10.1016/j.bbe.2020.01.012

Study of uniformly doped nano scale single-walled CNTFET under dark and illuminated conditions	Arulmary, A.; Rajamani, V.; Kavitha, T.	MICROELECTRONICS JOURNAL	2020	104				10.1016/j.mejo.2020.104889
Enhanced Ferromagnetic Property at Room Temperature and Photocatalytic Efficiency of CdO/CeO <sub>2</sub> /PVP Nanocomposite	Senthil, S.; Srinivasan, S.; Thangeeswari, T.; Silambarasan, M.; Ratchagar, V	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	2020	33	8	2469	2481	10.1007/s10948-020-05467-5
3D Modeling of MFL Imaging System to Detect Surface Discontinuities in Ferromagnetic Tubes	Ganesh, R. Senthil; Karuppasamy, P.; Abudhahir, A.; Vinoth, R.; Selvaperumal, S.	MATERIALS EVALUATION	2020	78	3	379	386	10.32548/2020.me-04078
A STUDY TO ANALYZE ENHANCEMENT TECHNIQUES ON SOUND QUALITY FOR BONE CONDUCTION AND AIR CONDUCTION SPEECH PROCESSING	Subbaiah, Putta Venkata; Deepthi, Hima, V	SCALABLE COMPUTING-PRACTICE AND EXPERIENCE	2020	21	1	57	62	10.12694/scpe.v21i1.1612
A novel approach for non-invasive measurement of mean arterial pressure using pulse transit time	Prabhu, V.; Kuppusamy, P. G.; Karthikeyan, A.; Sucharitha, M.	MULTIMEDIA TOOLS AND APPLICATIONS	2020	79	5-6	3775	3789	10.1007/s11042-018-6971-8
Multiband Antenna with Indoor Applications Using Soft Computation Method	Kalaiarasan, K.; Kavitha, A.; Swaminathan, J. N.	INTELLIGENT COMPUTING, INFORMATION AND CONTROL SYSTEMS, ICICCS 2019	2020	1039		46	52	10.1007/978-3-030-30465-2_6
Trans membranous fetal movement and pressure sensing	Manikandan, K.; Shanmugan, S.; Ashishkumar, R.; Harish, Vadde Venkat; Rani, T. Jansi; Nishanthi, T.	MATERIALS TODAY-PROCEEDINGS	2020	30		62	68	10.1016/j.matpr.2020.04.497

A Novel Linear Collaborative Discriminant Regression Classification and L1 Norm Based Algorithm for On-Chip Realization of Uncontrolled Face Recognition	Swaminathan, J. N.; Kavitha, A.; Navaneethakrishnan, R.; Umamaheswari, S.; Marimuthu, Ramalatha	INTELLIGENT COMPUTING, INFORMATION AND CONTROL SYSTEMS, ICICCS 2019	2020	1039		417	423	10.1007/978-3-030-30465-2_46
A multi objective Tabu particle swarm optimization for effective cluster head selection in WSN	Vijayalakshmi, K.; Anandan, P.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2019	22		12275	12282	10.1007/s10586-017-1608-7
One-pot facile methodology to synthesize MoS <sub>2</sub> -graphene hybrid nanocomposites for supercapacitors with improved electrochemical capacitance	Vikraman, Dhanasekaran; Karuppasamy, K.; Hussain, Sajjad; Kathalingam, A.; Sanmugam, Anandhavelu; Jung, Jongwan; Kim, Hyun-Seok	COMPOSITES PART B-ENGINEERING	2019	161		555	563	10.1016/j.composite sb.2018.12.143
Tricore photonic crystal fibre based refractive index sensor for glucose detection	Natesan, Ayyanar; Govindasamy, Kuppusamy Peramandai; Gopall, Thavasi Raja; Dhasarathan, Vigneswaran; Aly, Arafa Hussein	IET OPTOELECTRONICS	2019	13	3	118	123	10.1049/iet-opt.2018.5079
Schiff base rare earth metal complexes: Studies on functional, optical and thermal properties and assessment of antibacterial activity	Andiappan, Kavitha; Sanmugam, Anandhavelu; Deivanayagam, Easwaramoorthy; Karuppasamy, K.; Kim, Hyun-Seok; Vikraman, Dhanasekaran	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2019	124		403	410	10.1016/j.ijbiomac.2018.11.251
Critical Review of PV Grid-Tied Inverters	Santhoshi, B. Kavya; Sundaram, K. Mohana; Padmanaban, Sanjeevikumar; Holm-Nielsen, Jens Bo; Prabhakaran, K. K.	ENERGIES	2019	12	10			10.3390/energ12101921

Design of flexible textile antenna using FR4, jeans cotton and teflon substrates	Kavitha, A.; Swaminathan, J. N.	MICROSYSTEM TECHNOLOGIES -MICRO-AND NANOSYSTEMS- INFORMATION STORAGE AND PROCESSING SYSTEMS	2019	25	4	1311	1320	10.1007/s00542-018-4068-y
Synthesis of novel Sn <sub>1-x</sub> Zn <sub>x</sub> O-chitosannanocomposites: Structural, morphological and luminescence properties and investigation of antibacterial properties	Packirisamy, Rajiv Gandhi; Govindasamy, Chandramohan; Sanmugam, Anandhavelu; Venkatesan, Sethuraman; Kim, Hyun-Seok; Vikraman, Dhanasekaran	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2019	138		546	555	10.1016/j.ijbiomac.2019.07.120
Synthesis and studies on phosphazene core-based POSS-reinforced polyimide nanocomposites	Revathi, Rajamanickam; Prabunathan, Pichaimani; Alagar, Muthukaruppan	POLYMER BULLETIN	2019	76	1	387	407	10.1007/s00289-018-2391-1
Shape- and size-tunable synthesis of tin sulfide thin films for energy applications by electrodeposition	Vikraman, Dhanasekaran; Thiagarajan, Shrividhya; Karuppasamy, K.; Sanmugam, Anandhavelu; Choi, Jong-Hyeok; Prasanna, K.; Maiyalagan, T.; Thaiyan, Mahalingam; Kim, Hyun-Seok	APPLIED SURFACE SCIENCE	2019	479		167	176	10.1016/j.apsusc.2019.02.056
A customized nonlocal restoration schemes with adaptive strength of smoothening for magnetic resonance images	Kuppusamy, P. G.; Joseph, Justin; Jayaraman, Sivaraman	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2019	49		160	172	10.1016/j.bspc.2018.12.012
Energy and Environment control to Box type Solar Cooker and Nanoparticles mixed bar plate coating with Effect of Thermal Image cooking pot	Palanikumar, G.; Shanmugan, S.; Janarthanan, B.; Sangavi, R.; Geethanjali, P.	MATERIALS TODAY- PROCEEDINGS	2019	18		1243	1255	10.1016/j.matpr.2019.06.586

Synthesis and Antibacterial Properties of Novel ZnMn <sub>2</sub> O <sub>4</sub> -Chitosan Nanocomposites	Packirisamy, Rajiv Gandhi; Govindasamy, Chandramohan; Sanmugam, Anandhavelu; Karuppasamy, K.; Kim, Hyun-Seok; Vikraman, Dhanasekaran	NANOMATERIALS	2019	9	11			10.3390/nano9111589
Tuning the band gap of hybrid lead free defect perovskite nano crystals for solar cell applications	Ganesan, R.; Vinodhini, S. P.; Balasubramani, V; Parthipan, G.; Sridhar, T. M.; Arulmozhi, R.; Muralidharan, R.	NEW JOURNAL OF CHEMISTRY	2019	43	38	15258	15266	10.1039/c9nj03902c
Enrichment of optical, magnetic and photocatalytic properties in PVP capped CdO/SnO <sub>2</sub> nanocomposites synthesized by microwave irradiation method	Senthil, S.; Srinivasan, S.; Thangeeswari, T.; Ratchagar, V	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2019	30	22	19841	19853	10.1007/s10854-019-02351-4
Multifunctional behavior of POSS-reinforced imidazole core polyimide nanocomposites	Revathi, Rajesh Kumar; Hariharan, Arumugam; Prabunathan, Pichaimani; Srinivasan, Krishnan; Alagar, Muthukaruppan	POLYMER BULLETIN	2019	76	10	5059	5075	10.1007/s00289-018-2636-z
Optimizing Wear Behavior of Epoxy Composites Using Response Surface Methodology and Artificial Neural Networks	Kumar, Satish D.; Rajmohan, M.	POLYMER COMPOSITES	2019	40	7	2812	2818	10.1002/pcc.25089
Effect of pouring temperature on cast Al/SiCp and Al/Ti B <sub>2</sub> metal matrix composites	Rajaravi, C.; Gopalakrishnan, B.; Lakshminarayanan, P. R.	JOURNAL OF THE MECHANICAL BEHAVIOR OF MATERIALS	2019	28	1	162	168	10.1515/jmbm-2019-0018

Enhancement of SNR in fetal ECG signal extraction using combined SWT and WLSR in parallel EKF	Suganthi, M.; Manjula, S.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2019	22	2	S3875	S3881	10.1007/s10586-018-2477-4
Analysis of optical sensitivity of analytes in aqua solutions	Suganthi, M.; Paul, Bikash Kumar; Ahmed, Kawsar; Islam, Md. Ibadul; Jabin, Md. Asaduzzaman; Bahar, Ali Newaz; Rajan, M. S. Mani	OPTIK	2019	178		970	977	10.1016/j.ijleo.2018.10.002
Machine Learning Tree Classifiers in Predicting Diabetes Mellitus	Vigneswari, D.; Kumar, N. Komal; Raj, V. Ganesh; Gungan, A.; Vikash, S. R.	2019 5TH INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING & COMMUNICATION SYSTEMS (ICACCS)	2019			84	87	10.1109/icaccs.2019.8728388
Fuzzy Interference Treatment applied to Energy Control with effect of Box type Affordable Solar Cooker	Bhavani, S.; Shanmugan, S.; Selvaraju, P.; Monisha, C.; Suganya, V	MATERIALS TODAY-PROCEEDINGS	2019	18		1280	1290	10.1016/j.matpr.2019.06.590
Comparative analysis of cashew and canola oil biodiesel with homogeneous catalyst by transesterification method	Hariprasath, P.; Selvamani, S. T.; Vigneshwar, M.; Palanikumar, K.; Jayaperumal, D.	MATERIALS TODAY-PROCEEDINGS	2019	16		1357	1362	10.1016/j.matpr.2019.05.236
Influence of high-velocity oxygen fuel spraying and plasma nitriding on microstructure properties of iron-nickel-chromium alloy using hybrid surface heat treatment	Srinivasan, R. Ganapathy; Selvabharathi, R.; Palani, S.; Karuppasamy, R.	MATERIALS RESEARCH EXPRESS	2019	6	8			10.1088/2053-1591/ab1ee

Characterization of Defects on Ferromagnetic Tubes Using Magnetic Flux Leakage	Suresh, V.; Abudhahir, A.; Daniel, Jackson	IEEE TRANSACTIONS ON MAGNETICS	2019	55	5			10.1109/TMAG.2019.2901659
Design and implement a cross layer verification framework (CLVF) for detecting and preventing blackhole and wormhole attack in wireless ad-hoc networks for cloud environment	Jagadeesan, S.; Parthasarathy, V.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2019	22		299	310	10.1007/s10586-018-1825-8
Enhancing the Fatigue Properties of Friction Welded AISI 1020 Grade Steel Joints using Post Weld Heat Treatment Process in Optimized Condition	Selvamani, S. T.; Vigneshwar, M.; Nikhil, M.; Hariharan, S. J.; Palanikumar, K.	MATERIALS TODAY-PROCEEDINGS	2019	16		1251	1258	10.1016/j.matpr.2019.05.222
Investigation of turbo decoding techniques based on lottery arbiter in 3D network on chip	Suaganthy, M.; Karthikeyan, A.; Kuppusamy, P. G.	MICROPROCESSORS AND MICROSYSTEMS	2019	71				10.1016/j.micpro.2019.102885
Preparation and Characterization of Goat Hoof Keratin/Gelatin/Sodium Alginate Base Biofilm for Tissue Engineering Application	Kumar, S. Logesh; Anandhavelu, S.; Swathy, M.	INTEGRATED FERROELECTRICS	2019	202	1	1	12	10.1080/10584587.2019.1674818
Optimizing the Plasma Arc Welding Process Parameters to Attain the Minimum Corrosion Rate in the AISI 409M grade Ferritic Stainless Steel Autogenous Joints	Hariharan, S. J.; Vigneshwar, M.; Selvamani, S. T.; Shanmugam, K.; Palanikumar, K.	MATERIALS TODAY-PROCEEDINGS	2019	16		1259	1270	10.1016/j.matpr.2019.05.223
Some Studies on Waste Animal Tallow Biodiesel Produced by Modified Transesterification Method Using Heterogeneous Catalyst	Hariprasath, P.; Vijayakumar, V.; Selvamani, S. T.; Vigneshwar, M.; Palanikumar, K.	MATERIALS TODAY-PROCEEDINGS	2019	16		1271	1278	10.1016/j.matpr.2019.05.224
Fuzzy based hybrid incorporating wind solar energy source by reduced harmonics	Ramya, K. C.; Kumar, K. Vinoth; Irfan, Muhammad; Mesforush, Shaghayegh; Mohanasundaram, K.; Vijayakumar, V.	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2019	36	5	4247	4256	10.3233/JIFS-169982

A one-pot chemical route to prepare poly 4, 4'-diaminodiphenyl sulfone-zirconium dioxide/cerium dioxide hybrid nanocomposites for improved capacitance properties	Sanmugam, Anandhavelu; Jeyaraman, Anandha Raj; Venkatesan, Sethuraman; Paramasivam, Manisankar; Kim, Hyun-Seok; Vikraman, Dhanasekaran	MATERIALS LETTERS	2019	249		5	8	10.1016/j.matlet.2019.04.048
Appraisal of Seawater Mixing Index in Coastal Aquifer of Karaikal, Southern India Using Geospatial Technology	Sivaranjani, S.; Ellappan, Vinodhini; Karthick, L. Avinash	JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA	2019	94	6	641	644	10.1007/s12594-019-1371-x
Experimental analysis of Energy and Environment redeemable in solar Nano-basin still to improve Sullage Water Natural Treatment of Fuzzy Application	Suresh, C.; Shanmugan, S.; Bharath, M.; Naveen, B.; Chithambaram, V	MATERIALS TODAY-PROCEEDINGS	2019	18		1263	1271	10.1016/j.matpr.2019.06.588
Structural features of Novel 2,6-diarylpiperidin-4-ones derived from the methyl ether of raspberry ketone: Investigation through spectral, single crystal and DFT studies	Shanthi, D.; Rajeswari, K.; Kumar, C. Udhaya; Vidhyasagar, T.; Pillai, M. Velayutham	JOURNAL OF MOLECULAR STRUCTURE	2019	1198				10.1016/j.molstruc.2019.126907
An efficient PCA based pose and occlusion invariant face recognition system for video surveillance	Yoganand, A. Vivek; Kavida, A. Celine; Rukmanidevi, D.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2019	22		11443	11456	10.1007/s10586-017-1404-4
Impact of Rare Earth (Dy and Yb) Ions doping on Magnetic and Optical Properties of ZnO Nanoparticles	Thangeeswari, T.; Parthipan, G.; Gowtham, S.	INTERNATIONAL CONFERENCE ON TRENDS IN MATERIAL SCIENCE AND INVENTIVE MATERIALS: ICTMIM 2019	2019	2105				10.1063/1.5100688



Design of efficient wireless communication system with improved SER using different relay environment	Saravanan, K.; Kavida, A. Celine; Bennet, M. Anto	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2019	22		10519	10527	10.1007/s10586-017-1097-8
TRUST FACTOR BASED KEY DISTRIBUTION PROTOCOL IN HYBRID CLOUD ENVIRONMENT	Velliangiri, S.; Rajagopal, R.; Karthikeyan, P.	SCALABLE COMPUTING-PRACTICE AND EXPERIENCE	2019	20	2	349	364	10.12694/scpe.v20i2.1529
Wavelet based pseudo color scaling for optimizing wear behavior of epoxy composites	Dharmalingam, Satish Kumar; Murugesan, Rajmohan	MATERIALS TESTING	2019	61	4	376	380	10.3139/120.111331
Sensitivity Analysis of Friction Stir Welded Aluminum Based High Strength Metal Matrix Composite Joints	Raja, N. Dilip; Selvamani, S. T.; Vigneshwar, M.; Palanikumar, K.; Velu, R.	MATERIALS TODAY-PROCEEDINGS	2019	16		1279	1286	10.1016/j.matpr.2019.05.225
Analysis of R - PEAKS in Fetal Electrocardiogram to Detect Heart Disorder using Fuzzy Clustering	Suganthy, M.; Joy, Immaculate S.	2019 IEEE 5TH INTERNATIONAL CONFERENCE FOR CONVERGENCE IN TECHNOLOGY (I2CT)	2019					10.1109/i2ct45611.2019.9033732
Relaxation and Viscosity Analysis on the Mixture of Anisole and Decyl Alcohol in Benzene at 303, 313, and 323 K	Parthipan, G.; Thangeeswari, T.	RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A	2019	93	9	1708	1714	10.1134/S0036024419090152
16-Layer PCB Channel Design with Minimum Crosstalk and Optimization of VIA and TDR Analysis	Kavitha, A.; Kaitepalli, Ch. Sekhararao; Swaminathan, J. N.; Ahemedali, Shaik	JOURNAL OF ELECTRONIC TESTING-THEORY AND APPLICATIONS	2019	35	4	497	517	10.1007/s10836-019-05814-y
Analysis of optical properties and mode distribution of Ag-Si photonic crystal	Muruganatham, P.; Revathy, V.; Kumar, K. Vinoth; Manikandan, V.; Yuvaraj, S. A.; Kuppusamy, P. G.	RESULTS IN PHYSICS	2019	13				10.1016/j.rinp.2019.102234

Antagonistic activity of an epibiotic Bacillus strain SG3 from Gorgonian coral, <i>Juncella juncea</i> (Pallas, 1766)	Thangapaul, Alex John; Praveevn, M. Mark; Chinnachamy, Chellaram	PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES	2019	32	3	969	972	
Developing an Empirical Relationship to Predict Maximum Strength on Friction Stir Welded (Mg plus CNT) Nanocomposites	Kumar, S. Prem; Selvamani, S. T.; Vigneshwar, M.; Palanikumar, K.	MATERIALS TODAY-PROCEEDINGS	2019	16		1152	1157	10.1016/j.matpr.2019.05.208
Studies on proton conducting polymer electrolytes based on poly(ethylene oxide)/poly(vinyl pyrrolidone) with NH <sub>4</sub> SCN	Sasikumar, R.; Selvakumar, K.; Prabhu, M. Ramesh; Sethuraman, V.	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	2019	96	1	113	117	
A novel approach for Joining Armor Grade AA7075 Metal Matrix Nano Composites using Various Welding Processes	Vigneshwar, M.; Selvamani, S. T.; Tarun, K.; Palanikumar, K.	MATERIALS TODAY-PROCEEDINGS	2019	16		1175	1181	10.1016/j.matpr.2019.05.211
Some Studies on Tribological Behavior of Friction Welded Hybrid Metal Matrix NanoComposites	Vigneshwar, M.; Selvamani, S. T.; Nikhil, M.; Palanikumar, K.	MATERIALS TODAY-PROCEEDINGS	2019	16		1182	1187	10.1016/j.matpr.2019.05.212