

2024 Research Publications

S.No	Authors	Title	Year	Volume	Issue	Page start	Page end	DOI
1	Alapati K.B.; Sravani D.; Gouthamsri S.; BBV S.; B S.; Nalla S.	Design, synthesis and biological various aryl derivatives of (pyridin-4-yl) imidazo[1,5-a]pyridin-1-yl)oxazoles as anticancer agents	2024	54				10.1016/j.cdc.2024.101162
2	Sahu S.R.; Tripathy B.	Immune Based Optimal Multicast Routings in Vehicular Ad hoc Network	2024	72	6	219	227	10.14445/22315381/IJETT-
3	Menda V.; Dora S.; Palli S.; Rallabandi S.R.; Sharma R.C.; Sharma N.; Bondala R.	Mechanical and wear characteristics of aluminium-7075/graphene/TiB2 prepared by stir casting	2024	6	2			10.1088/2631-8695/ad58a8
4	Raju N.; Mohan N.M.; Kumar V.	A Switch-inductor Switched-capacitor Based Ultra-gain Boost Converter: Analysis and Design	2024	5	1			10.32397/TESEA.VOL5.N1.549
5	Khan Y.; Tevatia A.; Apparao D.; Singh N.; Mishra S.	Experimental investigation to evaluate thermal performance of a solar cooker with evacuated tube solar collector using different heat transfer fluids	2024	10	5	1335	1346	10.14744/thermal.0000873
6	Kavya L.; Karuna Y.; Saritha S.; Prakash A.J.; Patro K.K.; Sahoo S.P.; Tadeusiewicz R.; PÅ,awiak P.	A REVIEW OF SHOCKABLE ARRHYTHMIA DETECTION OF ECG SIGNALS USING MACHINE AND DEEP LEARNING TECHNIQUES	2024	34	3	485	511	10.61822/amcs-2024-0034
7	Pandav A.N.; Patil R.A.; Pandipati S.	Process parameters settings of friction stir welding using multi-response optimization for aluminum alloys	2024	6	2			10.1088/2631-8695/ad4511
8	Vani Annapurna Bhavani N.; Singh A.K.; Vijaya Kumar D.	Optimized integration of renewable energy sources using seven-level converter controlled by ANFIS-CS-GWO	2024	9				10.1016/j.prime.2024.100689
9	Azad D.; Kumar A.S.; Menda V.R.; Swain P.K.; Vadapalli S.; Bommana D.	The Impact of Flapping Trajectories on the Induced Thrust of a Single and Tandem Configuration Flapping Foil	2024	146	5			10.1115/1.4064500
10	Meka S.; Dowluru S.; Dumpala L.	Automatic Feature Recognition Techniques for the Integration of CAD and CAM: A Review	2024	8	1	83	109	10.1520/SSMS20230016
11	Surakasi R.; Sekhar K.C.; Jayakrishna M.; Jagadeesh R.; Rao D.B.; Rico I.L.R.	THE IMPACT OF NANO ADDITIVES IN CORN OIL BIODIESEL USED IN COMBUSTION ENGINES ON THE ENVIRONMENT: AN EXPERIMENTAL APPROACH	2024	10	49	217	222	10.5935/jetia.v10i49.1298
12	Addela R.R.; Kriahnamoorthy M.; Swathi M.; Rajalingam S.; Shanmugariyan J.; Gouda P.K.	Bridging the Energy Divide: The Innovative Landscape of Compressed Air Energy Storage (CAES)	2024	547				10.1051/e3sconf/202454703008
13	Basu Baul T.S.; Brahma S.; Rao Addepalli M.; Duthie A.; Mahmoud A.G.; Guedes da Silva M.F.C.; Parkin S.	Structures and NMR Solution Dynamics of Diorganotin Complexes with Bulky Quadridentate Salen- and Salphen-Type Schiff Bases (N2O2) Incorporating Diazenylpyridyl Side Arms	2024	27	33			10.1002/ejic.202400377
14	Pandav A.N.; Patil R.A.; Pandipati S.	Material selection for milling fixture of friction stir welding using simulia	2024	6	2			10.1088/2631-8695/ad46e8
15	Pedada K.R.; Anuradha M.S.; Lakshmi V.R.	Circularly Polarized Rectangular Dielectric Resonator Antenna (CP-RDRA) Arrays with Fractal Cross-Slot using T-bend & Miter bend power divider feeding networks	2024	6	2	49	68	10.31838/NJAP/06.02.07
16	Subbarao P.S.; Aparna Y.; Suresh P.; Ramanaiah M.	Low-temperature/room-temperature gas sensing application for NO2 gas by SnO2 and Ni doped SnO2 nanostructures synthesized by sol-gel method	2024	17				10.1016/j.rsufi.2024.100330
17	Sarif N.; Kumar A.; Anshu; Sarwardi S.; Dubey B.	Spatio-temporal dynamics in a delayed prey-predator model with nonlinear prey refuge and harvesting	2024	186				10.1016/j.chaos.2024.115247
18	Bendi A.; Raja M.; Vashisth C.; Kaur P.; Udayasri A.; Mech D.; Swamy T.N.V.R.L.; Raghav N.	Drilling fluids: Score years of trends, innovations and implications in research	2024	413				10.1016/j.molliq.2024.125891
19	Mondal R.; Kaish I.	A study on the existence of solutions for the class of nonlinear partial differential-difference equations in several complex variables	2024	31	5	563	592	10.36045/j.bbms.230928
20	Bhavani N.V.A.; Singh A.K.; Vijaya Kumar D.	Modeling of GAO-ANFIS controller based hybrid solar photovoltaic and wind power system with seven-level converter	2024	3	4	259	269	10.1016/j.enss.2024.05.002
21	Turali N.; Saleem S.; Muddada V.; Naik D.K.; Sreeramulu D.; Duppala A.; Dilawar M.; Radha K.	Enhancing tribological performance of AISI 52100: the role of laser surface texturing in dry and lubricated conditions	2024	6	4			10.1088/2631-8695/ad853b

22	Sudha M.; Rao D.V.; Suhasini K.P.; Shaik L.; Ramanaiah M.	Influence of Sodium Lauryl Sulfate Anionic Micelles on the Complex Equilibria of Divalent Metal Ions with Isoleucine Amino Acid	2024	28	11	7	15	10.25303/2811rjce07015
23	Venugopal K.	Multisensory marketing and its effect on brand loyalty: A deep dive into consumer preferences	2024			295	329	10.4018/979-8-3693-8222-6.ch013
24	Ramamohan H.; Rao K.K.	Breeding success and mortality rates in Painted Stork (Mycteria leucocephala) at Telineelapuram Bird Protected Area, India	2024	17	4	624	630	10.1016/j.japb.2024.02.004
25	Dadhirao C.; Sadi R.P.R.; Rao B.V.A.N.S.S.P.; Terlapu P.V.	Optimizing network lifetime in wireless sensor networks: a hierarchical fuzzy logic approach with LEACH integration	2024	36	2	1140	1148	10.11591/ijeecs.v36.i2.pp1140-1148
26	Sharma S.K.; Sharma R.C.; Lavania S.; Palli S.; Avesh M.	Industry-Driven Approach for ANFIS-Based Intelligent Control Suspension System with MR Damper for Enhanced Ride Quality in Passenger Rail Vehicles for Technological Investigations	2024	47	4	391	394	10.1007/s40009-023-01365-1
27	Agrawal U.K.; Ramana B.V.; Singh D.; Panda N.	Leveraging LSTM and Multinomial Naive Bayes for Nuanced Textual-Based Sentiment Analysis	2024	5	8			10.1007/s42979-024-03463-3
28	Rao N.T.; Kumar K.K.; Kumar P.P.; Nuvvula R.S.S.; Mutharasan A.; Dhanamjayulu C.; Shaik M.R.; Khan B.	Multiobjective optimal TCSC placement using multiobjective grey wolf optimizer for power losses reduction	2024	14	1			10.1038/s41598-024-72124-5
29	Ramakrishna B.; Charan P.H.K.; Jagadeesh Ch.; Neeraja R.; Ramanaiah M.	Enhanced Grain Boundary Resistance Resulting in High Permittivity and Low Dielectric Loss in CaCu3Ti4O12/LaNiO3	2024	13	11			10.1149/2162-8777/ad8f62
30	Naveena K.; Krishnamoorthy M.; Karuppiiah N.; Gouda P.K.; Hariharan S.; Saravanan K.; Kumar A.	Elevating sustainability with a multi-renewable hydrogen generation system empowered by machine learning and multi-objective optimization	2024	33				10.1016/j.measen.2024.101192
31	Poonguzhali M.; Murthy M.V.H.B.; Godi R.K.; Kumar N.M.	An energy-optimized green cooperative cognitive radio network for better spectrum sharing	2024	87	2	343	357	10.1007/s11235-024-01189-4
32	Kumar Kalabarigi R.; Shanmukharao Samatham S.; Shravan Kumar Reddy S.; Srinivasa Rao S.	Gd substitution induced incommensurate antiferromagnetism in B20 noncentrosymmetric CoSi	2024	36	38			10.1088/1361-648X/ad577c
33	Sadu V.B.; Kumar R.S.; Kumar B.S.; Kavitha T.; Chapala H.K.; Chakravarthi M.K.	Evaluating Machine Learning Models for Multimodal Probability-Based Energy Forecasting	2024	8	4	1209	1222	10.1007/s41660-024-00428-0
34	Venugopal K.	Insights into waste management in semi-urban areas: Understanding community perspectives	2024			301	325	10.4018/979-8-3693-4054-7.ch011
35	Balakrishna M.; Charan P.H.K.; Suhasini K.P.; Ramanaiah M.	Nature and Stability of Co(II), Ni(II) and Cu(II) Complexes with 5-Hydroxysalicylic Acid in DMSO-Water Mixtures: An Electrometric Investigation	2024	28	6	63	71	10.25303/286rjce63071
36	Vijaya Krishna S.; PaviÅŁ L.; Bafti A.; Pisk J.; Bhadrarao D.; Rao Y.D.; Sekhar A.V.; Babu V.C.; Kumar V.R.; Veeraiah N.	Impact of Cr3+/Mo6+/W6+ Doping on Dipolar Relaxation and AC Conductivity in Li2Oâ€‘Al2O3â€‘SiO2 Glasses	2024	221	16			10.1002/pssa.202400243
37	Naidu M.S.R.; Anilkumar B.; Yugandhar D.	An exact segmentation of affected part in breast cancer using spider monkey optimization and recurrent neural network	2024	83	23	62773	62791	10.1007/s11042-023-18069-9
38	Venkatesan K.; Gouda P.K.; Rath B.B.; Krishnamoorthy M.	Optimal day-ahead scheduling of microgrid equipped with electric vehicle and distributed energy resources: SFO-CSGNN approach	2024	102				10.1016/j.est.2024.113933
39	Pant M.; Sharma A.; Palli S.; Sharma S.K.; Sharma R.C.	A Review and Analysis of Factors Affecting EV Adoption for Sustainable and Energy-Efficient Transportation Systems using Analytic Hierarchy Process Approach	2024	16	2	133	139	10.4273/ijvss.16.2.01
40	Kumar S.R.; Chandra Sekhar Rao T.; Suman J.V.; Usha Rani B.	IoT Based Remote Patient Health Monitoring System	2024	591				10.1051/e3sconf/202459108005
41	Gwalwanshi M.; Palli S.; Gupta S.; Kumari B.P.; Sharma R.C.; Kumar R.; Gupta M.K.	Use of Different Fuels in the Low-Temperature Combustion Engines and their Effects on Combustion and Emission Properties-A Review	2024	16	3	396	404	10.4273/ijvss.16.3.14
42	Pandipati S.; Palli S.; Dowluru S.; Sharma R.C.; Sharma N.; Sharma S.K.; Fonseca-Soares D.D.	Microstructure and Strength Comparison for Friction Stir Processing of Aluminium Alloys and Multi-Response Optimization by Taguchi GRA-PCA based Hybrid Methods	2024	16	3	321	328	10.4273/ijvss.16.3.03

43	Behara S.; Ravikanth B.; Chandra V.	Predicting flow-induced vibrations of tandem square cylinders using finite element simulations and data-driven neural network model	2024	308				10.1016/j.oceaneng.2024.118237
44	Dharmana L.; Murty Naidu S.C.V.R.; menda V.R.; Swain P.K.; Vadapalli S.	The wake interaction in a tandem configuration flapping foil with variable flapping trajectory	2024	312				10.1016/j.oceaneng.2024.119122
45	Yakantham T.; Gouthamsri S.; Rao G.P.C.; Suresh P.; Devi E.R.; Raju R.R.	Rational design, synthesis and biological evaluation of Isoxazole incorporated oxazol-4-yl-1-(pyridin-4-yl)-1H-pyrazole as anticancer agents	2024	52				10.1016/j.cdc.2024.101146
46	Terlapu P.V.; Prasan U.D.; Kumar T.R.; Bendalam V.; Pappu S.R.; Rao M.J.; Mohitha M.R.; Jayaram D.	Rice Category Identification through Deep Transfer Learning Features and Machine Learning Classifiers: An Intelligent Approach	2024	51	7	765	784	
47	Sudha M.; Sailaja B.B.V.; Jagadeesh C.; Sunitha P.S.; Ramanaiah M.	Influence of Sodium Dodecyl Sulfate Anionic Micelles on The Complex Equilibria of Divalent Metal Ions with L-Leucine Amino Acid	2024	17	8	3829	3835	10.52711/0974-360X.2024.00594
48	Indukuri S.M.; Singh A.K.; Vijaya Kumar D.	An RFCSO-based grid stability enhancement by integrating solar photovoltaic systems with multilevel unified power flow controllers	2024	3	4	341	351	10.1016/j.enss.2024.10.004
49	Mangalampalli S.; Karri G.R.; Ratnamani M.V.; Mohanty S.N.; Jabr B.A.; Ali Y.A.; Ali S.; Abdullaeva B.S.	Efficient deep reinforcement learning based task scheduler in multi cloud environment	2024	14	1			10.1038/s41598-024-72774-5
50	Vempati S.R.; Kumar J.V.S.P.; Apparao D.; Ramesh B.; Maranan R.; Rao P.V.	Machine learning in industrial IoT applications for safety, security, asset localization, quality assurance, and sustainability in smart production	2024			49	66	10.4018/979-8-3693-7842-7.ch004
51	Ramamohan H.; Raminaidu S.; Sudhakara Rao I.; Dinakar P.; Reddy B.V.	Environmental impact assessment of Flora and its role in offsetting carbon along National Highway-16, India	2024	196	11			10.1007/s10661-024-13355-x
52	Kolukula N.R.; Kalapala R.P.; Ivaturi S.S.R.; Tammineni R.K.; Annavarapu M.; Pyla U.	An efficient object detection by autonomous vehicle using deep learning	2024	14	4	4287	4295	10.11591/ijece.v14i4.pp4287-4295
53	Rao C.K.; Sahoo S.K.; Yanine F.F.	Design and deployment of a novel decisive algorithm to enable real-time optimal load scheduling within an intelligent smart energy management system based on IoT	2024	12		579	592	10.1016/j.egyr.2024.06.030
54	Khan Y.; Apparao D.; Gawande S.; Singh N.; Bisht Y.S.; Singh P.	Performance Assessment and Working Fluid Selection of the Novel Combined Helium Brayton Cycle and Organic Rankine Cycle Based on Solar Power Tower for Sustainable Generation	2024	48	4	1901	1916	10.1007/s40997-023-00745-8
55	Venugopal K.	Reverse logistics analysis: Enhancing small business performance perspectives	2024			247	274	10.4018/979-8-3693-3575-8.ch011
56	Karanam S.R.; Pradeep Kumar A.B.; Yandrapati P.B.; Tangudu N.; Peddada N.; Bollipelly P.G.	A Systematic Review: How Computer Vision is Transforming Agriculture in Economic Growth	2024	2127 CCIS		229	244	10.1007/978-3-031-68617-7_17
57	Prasad S.V.S.; Rao B.C.; Rao M.K.; Kumar K.R.; Vara Prasad S.D.; Ramesh C.	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization approach	2024	83	13	38083	38108	10.1007/s11042-023-16980-9
58	Rallabandi S.R.; Srinivas L.; Palli S.; Sharma R.C.; Sharma N.; Sharma A.; Sharma S.K.	A contrastive characterization of pure Mg and AZ91D alloy based on the testing of mechanical, corrosion, wear, and erosion properties	2024	6	1			10.1088/2631-8695/ad16a2
59	Sharanya M.; Premalatha R.; Acharya S.; Monisha M.	Design and Optimisation of Flexible Electronics Using Organic Semiconductors	2024			349	357	10.1201/9781003495437-36
60	Ramanaiah M.; Balakrishna M.; Gouthamsri S.; Sowbhagya Lakshmi M.; Jayarao K.	Impact of Sodium Dodecyl Sulfate Anionic Micelles on the Complex Equilibria of Divalent Metal Ions with 5-Sulfosalicylic Acid	2024	28	3	10	18	10.25303/283rjce010018
61	Avesh M.; Palli S.; Hossain I.; Sharma R.C.	Blockchain Solutions for Cost-Efficiency and Traceability in Indian Food Distribution	2024	Part F3228		125	146	10.1007/978-981-97-0437-8_7
62	Ahmad Saidulu S.; Malla S.; Mohanty D.; Kumar S.; Banoth E.	A Novel Approach for Enhancing Malaria Detection Accuracy Through Deep Learning with C3TR and BiFPN Architectures	2024	8	4	1	4	10.1109/LSENS.2024.3373882
63	Bammidi R.; Madivada H.; Dowluru S.; Palli S.; Sharma R.C.; Muddada V.	Mechano-tribological investigations of Al-%Wt. of boron nitride as metal-ceramic composites	2024	2978	1			10.1063/5.0182965
64	Chandrashekhar K.G.; Dutt K.M.; Reddy G.B.; Damarasingu A.; Padmanabhan R.G.	Emerging Nanomaterials for Advanced Technologies	2024			157	165	10.1201/9781003495437-15

65	Medida J.; Tangudu N.; Goud B.P.; Tandu R.; Kumar K.P.; Padma T.	AI Assisted Tele-Medicine Kisok for Rural India	2024					10.1109/ICCIGST60741.2024.10717519
66	Sampatirao H.; Satthiyaraju M.; Pabba D.P.; Ram N.; Pabba N.K.; Kaarthik J.; Venkateswarlu A.; Aepuru R.; Thirumurugan A.	Nanoengineering low-dimensional materials for energy harvesting	2024			283	310	10.1016/B978-0-443-21691-6.00013-5
67	Suman J.V.; Swathi Y.; Kumar R.S.	Fabrication Techniques and Material Selection for Gate-All-Around FET (GAAFET) in Advanced Nanoelectronics	2024					10.1109/ICAIT61638.2024.10690790
68	Sahu S.R.; Tripathy B.	Generation of Optimal Multicast Routing in VANET using Particle Swarm Optimization	2024	72	2	121	132	10.14445/22315381/IJETT-V7I2P114
69	Dowluru S.; Madivada H.; Prasanth G.; Bammidi R.; Muddada V.	Material Handling Cost Minimization Through Facility Layout Design Using Particle Swarm Optimization Method	2024	2093 CCIS		187	202	10.1007/978-3-031-64067-4_13
70	Rao K.C.; Nataraj D.; Chakradhar K.S.; Ujwala G.V.; Dadi H.S.; Naidu M.L.	Design of a Solid S-Band Satellite Antenna for Both Transmitting and Receiving Purposes	2024	14	4	251	259	10.15866/irecap.v14i4.22583
71	Kumar K.K.; Ramarao G.; Suneetha G.; Rao B.S.	Comparative Analysis of Reduced Commensurate Fractional-Order Interval System Based on Artificial Bee Colony Method	2024	66	1			10.3390/engproc2024066045
72	Eswara Rao T.; Elango S.; Gurugubelli V.; Ramoji S.K.; Guruvulunaidu P.; Sura S.R.; Suresh M.S.; Chenniappan S.; Mohan T.K.	Power management of photovoltaic system with BESS under partial shading conditions	2024			201	220	10.1016/B978-0-443-22013-5.00005-8
73	Gowthami S.; Rajesh S.; Shagul A.S.; Papinaidu M.; Kumar K.A.; Venkataramanaiah B.	Cyber Bullying Detection Using Deep Learning and Natural Language Processing	2024			1559	1562	10.1109/ICICNIS64247.2024.10823384
74	Dash P.B.; Naik B.; Nayak J.; Vimal S.	Retraction Note: Deep belief network-based probabilistic generative model for detection of robotic manipulator failure execution (Soft Computing, (2023), 27, 1, (363-375), 10.1007/s00500-021-05572-0)	2024					10.1007/s00500-024-10247-7
75	Karthika Priya Dharshini G.; Meenakshi M.; Nandhini T.J.; Jaya E.; Abed R.E.; Al-Tae F.; Mohsen A.H.	Early Identification of as Disorder using Machine Learning Based Classifier System Implementation	2024			331	335	10.1109/ICACITE60783.2024.10617331
76	Veerendra D.; Niranjana K.R.; Malik I.; Khandare A.; Patil M.; Kishore T.S.; Balamurugan K.S.; Pedada K.R.; Singh A.	Modified Root-MUSIC Algorithm for Target Localization Using Nyström Approximation	2024	24	8	13209	13216	10.1109/JSEN.2024.3370374
77	Madhavi S.V.; Prasad K.R.; Sonia B.; Mallam M.; Suman J.V.; Anusha K.B.	Intelligent Fault Detection and Shading Analysis in Photovoltaic Arrays: A Fuzzy Logic Approach for Enhanced Performance and Reliability	2024					10.1109/ICCIGST60741.2024.10717520
78	Rao G.J.; Prasad A.S.	Classification of gene expression from RNA-seq data for pancreatic cancer prognosis using ensemble learning	2024	12	3	45	53	10.7324/JABB.2024.171755
79	Redrothu H.R.; Biswal B.; Mishra D.K.; CH.V.V. R.; Alla S.K.	Magnetostriction effect in Nd doped L-threonine single crystal	2024	38				10.1016/j.nanoso.2024.101182
80	Gopamsana M.; Shaik M.F.; Joyes S.N.; Chandra S.R.; Mohan G.S.S.S.V.K.; Swathi N.	Detecting Parkinson's Disease at an Early Stage Using Bagging Technique: An Approach Employing Machine Learning	2024			958	964	10.1109/ICACCS60874.2024.10717252
81	Kumar P.S.; Jayalaxmi A.; Dutt V.B.S.S.I.; Rao P.K.; Rao P.K.; Ganesh L.	Advanced Algorithms for Pseudo-Range Estimation and Positioning Accuracy in Challenging Satellite Visibility Conditions	2024	19	10	466	475	10.12720/jcm.19.10.466-475
82	Sarif N.; Sarwardi S.; Hosham H.A.	Global bifurcation analysis and derivation of an optimal harvesting policy of a prey-predator model with Holling type-IV functional scheme	2024					10.1080/02286203.2024.2392220
83	Kumar M.N.V.S.S.; Chaitanya D.E.; Ganesh L.; Sudha T.S.	AN AUTOMATED BREAST CANCER DETECTION BY HEURISTIC-BASED ENSEMBLE DEEP CLASSIFIER USING MAMMOGRAM AND TOMOSYNTHESIS IMAGES	2024	36	2			10.4015/S1016237224500017
84	Jyothsna R.; Kumar K.S.; Latha Y.L.M.; Shailaja N.; Madhuri B.; Katta S.	Cutting-Edge Scientific Innovations: Bridging Interdisciplinary Research and Technological Advancements	2024					10.1109/ICEC59683.2024.10837172
85	Venugopal K.; Das S.; Gopalakrishna V.; Bansal R.	Customer consciousness towards food wastage in the Indian hospitality industry	2024			38	56	10.4018/979-8-3693-2181-2.ch003

86	Rao N.T.; Ponnada G.N.; Sankar M.M.	A Novel Approach for out of Step Detection Using Extended Transient Stability Analysis Incorporating Effects of Exciter, Turbine and Speed Governor	2024					10.1109/ICCIGST60741.2024.10717498
87	Satyanarayana M.V.N.V.; Yanda S.; Kranthi Kumar K.; Suresh B.V.; Venkatesh D.J.; Kolagotla R.K.; Gudaru K.R.	Effect of multi-pass overlapping friction stir processing on fatigue behavior of Al-Cu alloy	2024					10.1177/14644207241276721
88	Babu G.U.; Mohan G.S.S.S.V.K.; Dandapat A.	The advanced adder generated using modified square root with AND-OR invert logic	2024					10.1109/ASIANCON62057.2024.10838180
89	Kavitha K.; Devi V.J.; Alam M.S.; Sindhu V.; Gandhewar N.; Kalra G.	An Innovative Method for Brain Stroke Prediction based on Parallel RELM Model	2024			1637	1643	10.1109/ICSES63445.2024.10763097
90	Sharma S.K.; Sharma R.C.; Lavania S.; Palli S.; Avesh M.	Dynamic Vibration Mitigation in Ship Propellers Using Hybrid Fuzzy Sliding Mode Control	2024					10.1007/s40009-024-01515-z
91	Seenipeyathevar M.S.; Shanmugam B.; Velamala D.S.; Babu R.S.; Dhandapani R.; Murugesan V.	Green reinforcement: exploring bamboo's potential in sustainable concrete construction	2024	29	2			10.1590/1517-7076-RMAT-2024-0183
92	Sharma R.C.; Palli S.; Duppala A.; Bhardawaj S.; Sharma S.K.; Sharma N.; Sharma A.	Rigid Body Analysis of Ride Behaviour of Roadway Vehicle using Lagrangian Dynamics	2024	16	1	74	78	10.4273/ijvss.16.1.15
93	Rao M.J.; Sambana B.; Ramakrishna B.; Dasaradha A.; Ramanaiah M.	Internet of Things-Enhanced Intelligent Agricultural Surveillance and Control System	2024	66	1			10.3390/engproc2024066037
94	Venugopal K.	Exploring Gen Z Perspectives Toward ChatGPT in academic contexts	2024			51	69	10.4018/979-8-3693-4268-
95	Venugopal K.	Assessment of Investment Priorities by Rural Women	2024			161	174	
96	Prasad Ch.; Ramarao G.; Sukanya R.; Udaykiram B.; Rao T.D.; Raghu M.	Evaluation of Single and Multistage Impulse Generator Circuit Parameter using Sine-Cosine Algorithm	2024					10.1109/ICSPCRE62303.2024.10674910
97	Maram B.; Vasavi G.; Rani V.V.; Ramesh B.; Reddy M.N.N.; Pappu S.R.	Predictive Models of Cholesterol Levels through Protein Expression Patterns	2024					10.1109/ICISAA62385.2024.10829210
98	Chauhan S.; Edla D.R.; Boddu V.; Rao M.J.; Cheruku R.; Nayak S.R.; Martha S.; Lavanya K.; Nigat T.D.	Detection of COVID-19 using edge devices by a light-weight convolutional neural network from chest X-ray images	2024	24	1	1		10.1186/s12880-023-01155-7
99	Annapurna Bhavani N.V.; Kumar Singh A.; Kumar D.V.	Optimizing Seven-Level Converter Performance in Renewable Energy Systems Using GWO	2024					10.1109/IACIS61494.2024.10721864
100	Krishna Mohan G.S.S.S.V.K.; Pradeepkumar Ch S.K.B.; Babu B.P.; Usandrababu G.; Murthy M.V.H.B.; Firoseshaik M.	Harnessing Deep Neural Networks for Accurate PCOS Diagnosis from Medical Images	2024					10.1109/ICCIGST60741.2024.10717543
101	Rao I.S.S.; Kumar J.N.V.R.S.; Vamsi T.M.N.; Kumar T.R.; Prasad K.R.; Kumar K.V.	IMPROVING REALISM IN FACE SWAPPING USING DEEP LEARNING AND K-MEANS CLUSTERING	2024	6	4	1751	1756	10.24874/PES.SI.24.03.010
102	Kumar P.S.; Naidu M.S.R.; Jayalaxmi A.; Palla S.R.; Chandrika Ch.; Nikhil P.	Advancing Short-Term Solar Forecasting: Comparative Analysis of Machine Learning and Deep Learning Models for Enhanced Accuracy and Reliability	2024					10.1109/ICAIT61638.2024.10690828
103	Divvala C.; Mishra M.	Deep Learning-Based Attention Mechanism for Automatic Drowsiness Detection Using EEG Signal	2024	8	3	1	4	10.1109/LSENS.2024.3363735
104	Kumar P.S.; Raju V.A.G.; Ramesh Ch.; Prasad P.; Soniya T.; Yaswanth A.	Enhancement of Solar Energy Forecasting with LSTM Model: A Deep Dive into Accuracy and Performance Metrics	2024					10.1109/ICAIT61638.2024.10690374
105	Rao M.P.S.; Singh V.; Rao N.N.; Sharma S.	Surface Angle Effect on Sensing Performance of the V-Shaped SPR Photonic Crystal Fiber for theDetection of Refractive Index	2024	19	2	210	217	
106	Sekhar C.C.; Tangudu N.; Pydisetti V.; Payli P.; Narindi A.; Enni C.	Multimodal AI-embedded blockchain security approach for smart student monitoring	2024			259	288	
107	Tammineni V.; Beura S.K.; Murthy M.V.H.B.; Majumdar S.; Saha P.	Optimized recursive approximate multipliers for edge detection and image smoothing applications	2024					10.1007/s00542-024-05810-z
108	Rao C.K.; Sahoo S.K.; Yanine F.F.	A literature review on an IoT-based intelligent smart energy management systems for PV power generation	2024	5				10.1016/j.hybadv.2023.100136

109	Vasanti G.; Karthi R.; Bisht A.; Rao B.S.; Thulasimani T.; Vasuki S.	Exploring potential predictors of psychological distress among employees: A Generalized ARC-GRU Based Model	2024					10.1109/IACIS61494.2024.10721760
110	Pathrose J.; Ajay P.; Pydi B.; Ahilan A.; Bhuvanesh A.; Ravichandran S.	Enhancement of speech through source separation for conferencing systems	2024	72	3	201	209	10.3397/1/377219
111	Umamaheswararao S.; Kumar M.N.V.S.S.; Madhu R.	Wireless underwater channel modelling for acoustic communication	2024	14	5	529	539	10.1504/IJCVR.2024.140827
112	Acharya S.; Vijaya Kumar D.	Frequency stabilization and synchronization between grid and AC microgrid	2024	228				10.1016/j.epsr.2023.110045
113	Indukuri S.M.; Singh A.K.; Kumar D.V.	Power Management in Grid-Connected SPV-DSTATCOM Systems with Metaheuristic Optimization	2024					10.1109/IACIS61494.2024.10721985
114	Ranganath B.A.; Duppal A.; Palli S.; Rao L.V.V.; Sharma R.C.	Numerical analysis and experimental study of FRP composites for damping applications	2024	2978	1			10.1063/5.0184802
115	Suman J.V.; Anitha Priyadarshini G.M.; Rao P.K.; Siri Chandana N.	Embedded Soft Computing Applications Using Low Power VLSI Techniques	2024					10.1109/IICCCS61609.2024.10763566
116	Uppada S.; Yanda S.; Kandi K.K.; Prakash P.; Janaki D.V.	Effect of Accumulative Roll Bonding on Microstructure and Mechanical Behavior of Al6061	2024					10.1007/s40033-024-00805-6
117	Pydi B.; Prabu A.V.; Mukherjee A.; Jain D.K.; Chand S.R.; Prashanth N.A.	An improved low-carbon intelligent agriculture system with energy optimization principles using wireless IoT environment	2024	35	3			10.1002/ett.4948
118	Kumar N.A.; Kumar P.S.; Victor N.; Gadekallu T.R.; Mohiddin M.K.; Tiwari S.; Minchula V.K.	Development of a Double-Resampling-Based Least-Squares Particle Filter for Accurate Position Estimation of a GPS Receiver in Visakhapatnam Region of the Indian Subcontinent	2024	24	5	5539	5548	10.1109/JSEN.2023.3301709
119	Murthy M.V.H.B.; Mohan G.S.S.S.V.K.; Shaik M.F.; Babu G.U.; Raja I.R.; Ansari S.T.	Maximizing WSN Lifetime Through Hierarchical Clustering for Efficient Energy Utilization and Prolonged Network Operation	2024			965	970	10.1109/ICACCS60874.2024.10717297
120	Sasmal P.; Sharma V.; Prakash A.J.; Bhuyan M.K.; Patro K.K.; Samee N.A.; Alamro H.; Iwahori Y.; Tadeusiewicz R.; Acharya U.R.; PÅ,awiak P.	Semi-supervised generative adversarial networks for improved colorectal polyp classification using histopathological images	2024	658				10.1016/j.ins.2023.120033
121	Sindhuja R.; Modugu P.T.; Goud S.A.; Kumar E.R.; Babu G.S.; Reddy R.	A Comparative Analysis of RPA tools: UiPath, Automation Anywhere and Robocorp	2024					10.1109/OTCON60325.2024.10688237
122	Gali N.R.; Terlapu P.V.; Mandavakuriti Y.; Somu S.M.; Varanasi M.; Telugu V.; Maheswara Rao V.V.R.	SMART HYBRID MODELS FOR IMPROVED BREAST CANCER DETECTION	2024	6	4	1731	1740	10.24874/PES.SI.24.03.006
123	Brahma B.; Swain N.K.; Senko R.; Panigrahi B.S.; Sahoo S.K.; Chandrasekhar M.V.B.	OPTIMISING PULMONARY DISEASE DETECTION WITH ENHANCED X-RAY IMAGING: A MULTI-STAGE FRAMEWORK USING WEIGHTED MEDIAN FILTERING, FUZZY C-MEANS CLUSTERING, AND YOLOv4-AUGMENTED MULTI-COLUMN CNNs	2024	25	8	2777	2789	
124	Gunda J.; Siriseti R.; Bandaru R.; Shukla R.	D-PSEUDO SUPPLEMENTED ALMOST DISTRIBUTIVE LATTICES	2024	11				10.28924/APJM/11-100
125	Acharyulu B.V.S.; Kumaraswamy S.; Mohanty B.	Green anaconda optimized DRN controller for automatic generation control of two-area interconnected wind"solar"tidal system	2024	106	3	3543	3558	10.1007/s00202-023-02151-4
126	Winster Praveenraj D.D.; Habelalmateen M.I.; Shrivastava A.; Kaur A.; Valarmathy A.S.; Patnaik C.P.	Behavioral Time Management Analysis: Clustering Productivity Patterns using K-Means	2024					10.1109/IICCCS61609.2024.10763887
127	Nagaraju S.; Bhat C.R.; Baskar M.; Rajaram G.; Rani L.P.; Bhaskar K.V.	Enhancing the Accuracy of Forecasting of the pattern of load usage of the Electrical appliances via Soft Computing	2024			1900	1903	10.1109/ICACITE60783.2024.10617251
128	Rao C.K.; Sahoo S.K.; Yanine F.F.	Intelligent power management system for optimizing load strategies in renewable generation	2024					10.1007/s00202-024-02674-4
129	Panda T.; Patro U.S.; Das S.; Venugopal K.; Saibabu N.	Blockchain in Human resource management: A bibliographic investigation and thorough evaluation	2024			86	119	10.4018/9798369318782.ch005

130	Terlapu P.V.; Raju K.K.; Kiran Kumar G.; Jagadeeswara Rao G.; Kavitha K.; Samreen S.	Improved Software Effort Estimation Through Machine Learning: Challenges, Applications, and Feature Importance Analysis	2024	12		138663	1E+05	10.1109/ACCESS.2024.3457771
131	Nayak J.; Naik B.; Dash P.B.; Pelusi D.	Optimal fuzzy cluster partitioning by crow search meta-heuristic for biomedical data analysis	2024			1252	1269	10.4018/979-8-3693-3026-5.ch055
132	Bammidi R.; Rejeti P.K.; Dowluru S.; Madivada H.; Muddada V.; Adapa S.K.	An Analysis of Green Manufacturing Environments for Challenging Materials	2024	66	1			10.3390/engproc2024066047
133	Acharya S.; Praveen B.M.; Kumar D.V.	ON ² OFF grid-based optimal power transmission using fire hawk pyramid squeeze ResNet	2024	106	3	2469	2485	10.1007/s00202-023-02085-x
134	Prasad V.M.S.; Ramakrishna S.; Ramamohan H.	Adsorption Studies of Moringa oleifera Seed Powder in Removal of Cadmium, Zinc and Chromium from Water	2024	44	5	387	395	
135	Sowmya G.; Alankruthi K.; Harika J.; Nagini T.; Nagalakshmi M.; Kumar J.P.	Smart Contracts for Real Estate Sales-A New Era of Efficiency and Transparency	2024			228	231	10.1109/ICCCMLA63077.2024.10871439
136	Rao C.K.; Sahoo S.K.; Yanine F.F.	Designing an intelligent smart energy monitoring system for optimizing the utilization of PV energy	2024					10.1007/s12667-024-00703-6
137	Palli S.; Koona R.; Duppala A.; Babu C.V.; Sharma R.C.; Doddi R.N.	Deterministic and Probabilistic Forced Response Analysis of a Railway Coach	2024	Part F3228		65	89	10.1007/978-981-97-0437-8_5
138	Raju V.A.G.; Mishra M.; Singh J.G.; Nayak J.; Dash P.B.	Smart grid stability prediction based on Bayesian-optimised LGBM for smarter energy management	2024	11	4	226	241	10.1504/IJAMECHS.2024.143382
139	Naresh V.; Yogeswararao G.; Nageswararao Naik B.; Malmathanraj R.; Palanisamy P.	Empirical Analysis of Squeeze and Excitation-Based Densely Connected CNN for Chili Leaf Disease Identification	2024	5	4	1681	1692	10.1109/TAI.2024.3364126
140	Naresh T.; Raj D.R.; Pravallika B.; Vineela Y.; Santhoshkumar B.; Deekshith G.	Privacy and security in mobile computing: Strategies for safeguarding user data	2024			203	244	
141	Terlapu P.V.; Sadi R.P.R.	Real-time Speech-based Intoxication Detection System: Vowel Biomarker Analysis with Artificial Neural Networks	2024	15	1	1637	1666	10.12785/ijcds/1501116
142	Jagadeeswararao G.; Sivaprasad A.; Gopal K.V.; Sunil B.	Identification of Hub Genes in Pancreatic Cancer Using Rna Sequence Analysis	2024					10.1109/OTCON60325.2024.10687548
143	Nandhini V.L.; Nagabhooshanam N.; G B.M.R.; Verma R.; Prasan U.D.; ArunaKumari S.; NookaRaju M.	Biosynthesis of ZrO ₂ from Phyllanthus niruri extracts and its PVA composite: mechanical, wear, dielectric, water absorption, and thermal conductivity properties	2024					10.1007/s13399-024-06046-7
144	JagadeeswaraRao G.; Sivaprasad A.	An integrated ensemble learning technique for gene expression classification and biomarker identification from RNA-seq data for pancreatic cancer prognosis	2024	16	3	1505	1516	10.1007/s41870-023-01688-8
145	Das S.; Kanwal N.D.S.; Patro U.S.; Panda T.; Saibabu N.; Badawy H.	Sustainable development of Industry 5.0 and its application of metaverse practices	2024			131	146	10.4018/979-8-3693-5868-9.ch008
146	Dankan Gowda V.; Srinivas D.; Srinivas R.; Ingole B.S.; Jadhav P.D.; Prasad K.D.V.	Design and Implementation of IoT Enabled Smart Assistive Systems for Healthcare Applications	2024					10.1109/GCCIT63234.2024.10862553
147	Sharma R.C.; Sharma N.; Palli S.; Sharma S.K.; Joshi S.; Rallabandi S.R.; Sharma A.	Dynamic behavior of three-wheel vehicle with inerter-based dynamic absorber suspension system	2024	55	#####	253	263	10.1177/09574565241243398
148	Rao K.E.; Terlapu P.R.V.; Naidu P.A.; Kumar T.R.; Pydi B.M.	Feature importance for software development effort estimation using multi level ensemble approaches	2024	13	2	1090	1102	10.11591/eei.v13i2.5531
149	Sunitha S.P.; Sujatha P.; Satyanarayana C.Ch.; Ramanaiah M.	Antimicrobial activity of MnWO ₄ nanoparticles via sol-gel approach over E.coli and S.aureus: Role of scavenging	2024	28	2	25	30	10.25303/282rjce25030
150	Lokesh G.; Devi B.R.; Badrinath N.; Prakash K. L.N.C.; Anjaiah P.; Kumar T.R.	Green computing and the quest for sustainable solutions	2024			24	41	10.4018/979-8-3693-1552-1.ch002
151	Ramarao G.; Kumar K.K.; Prasad Ch.; Amala R.; Vishal S.; Aswini P.; Naidu D.B.S.	Evaluation of Single and Multi Stage Impulse Generator Circuit Parameter Using Hybrid Depso Algorithm	2024					10.1109/ICSPCRE62303.2024.10675308
152	Sravani C.; Kumar P.; Priya S.; Yadav S.K.; Rao M.J.; Prasan U.D.	Constructing a Study Buddy Using MERN (MongoDB, Express.js, React, Node.js) Stack Technologies	2024	66	1			10.3390/engproc2024066027

153	Behara S.; Chandra V.; Ravikanth B.	Characterizing vibrations and associated wake structures of tandem square cylinders at different angles of incidence	2024	36	4			10.1063/5.0191008
154	Suneetha K.; Kovuri K.; Chitteti C.; Avanija J.; Madhavi K.R.; Tangadu N.	Deep neural networks for early diagnosis of neurodegenerative diseases	2024			112	127	10.4018/979-8-3693-1281-0.ch006
155	Gopala Rao L.V.V.; Satyanarayana V.S.V.; Sharma R.C.; Palli S.; Raturi A.; Kharola A.; Sharma A.	Preview control of the random response of a full car vehicle model traversing a rough road	2024	20	1	70	88	10.1504/IJNVN.2024.138105
156	Rao K.S.; Terlapu P.V.; Jayaram D.; Raju K.K.; Kiran Kumar G.; Pemula R.; Venu Gopalachari M.; Rakesh S.	Intelligent Ultrasound Imaging for Enhanced Breast Cancer Diagnosis: Ensemble Transfer Learning Strategies	2024	12		22243	22263	10.1109/ACCESS.2024.3358448
157	Sivajyothi M.; Madhavi K.R.; Vishnu Vandana Devi V.; Basi Reddy A.; Tangudu N.; Avanija J.	Transformer Network-based Image Segmentation using Hybrid Flower Pollination Optimization	2024			931	935	10.23919/INDIACom61295.2024.10498582
158	JagadeeswaraRao G.; SivaPrasad A.	Identification of potential biomarkers for pancreatic ductal adenocarcinoma: a bioinformatics analysis	2024					10.1080/10255842.2024.2356648
159	Srikanth V.V.V.S.S.P.S.; Ramesh S.; Ratnamani M.V.; Bandaru R.; Iampan A.	Associative Types in a Semi-Brouwerian Almost Distributive Lattice With Respect to the Binary Operation $\dot{+}$	2024	22				10.28924/2291-8639-22-2024-13
160	Patro K.K.; Prakash A.J.; Sahoo J.P.; Routray S.; Baihan A.; Samee N.A.; Huang G.	SMARTSeiz: Deep Learning with Attention Mechanism for Accurate Seizure Recognition in IoT Healthcare Devices	2024	28	7	3810	3818	10.1109/JBHI.2023.3336935
161	Ramesh P.; Gouda P.K.; Sandhya S.; Cn D.; Pavithra Y.C.; Simran S.	Intelligent Charging system for Electric Vehicle Batteries	2024					10.1109/ICECCC61767.2024.10593895
162	Rao G.N.; Gunasundari C.; Tilak Babu S.B.G.; Pavithra G.; Dwivedi V.K.; Shaik B.	AI-Driven Drug Discovery: Computational Methods and Applications	2024			46	50	10.1109/ICRTCST61793.2024.10578434
163	Yugandhar D.; Naidu M.S.R.; B A.	A novel hybrid optimization-based improved artificial intelligence methods for pancreatic disease segmentation and diagnosis	2024					10.1007/s11042-024-19650-6
164	Bohidar S.; Mallick R.K.; Nayak P.; Mishra S.; Nahak N.; Panda G.; Gouda P.K.	Design of novel UPFC based damping controller for solar PV integrated power system using arithmetic optimization algorithm	2024					10.1515/ijeeps-2024-0138
165	Simhadri K.; Acharyulu B.V.S.; Jagadeesh U.; Rao K.D.; Kumar B.S.; Ali A.	Frequency and Voltage Control of Multi-Area Multisource Power System Using Whale Optimization Algorithm	2024	421		123	132	10.1007/978-3-031-51167-7_12
166	Raju S.; Palli S.; Devi Prasad P.; Menda V.R.; Ramakrishna B.	A hybrid AHP-TOPSIS, MOORA technique for multi-objective optimization of thermal, mechanical, and water absorption behavior of epoxy/hemp, pine apple, and palm fiber composites	2024	47	1	23	36	10.1080/02533839.2023.2274092
167	Swapnarekha H.; Nayak J.; Naik B.; Pelusi D.	A deep insight into intelligent fractal-based image analysis with pattern recognition	2024			3	32	10.1016/B978-0-44-318468-0.00007-6
168	Abbineni S.; Rao K.E.; Rani R.U.; Kumari P.I.C.; Lakshmi S.S.	Machine Learning Approach to Lung Cancer Survivability Analysis	2024	894		397	407	10.1007/978-981-99-9562-2_33
169	Ramya P.; Ramesh C.; Rao O.S.	Predicting the Transition from Mild Cognitive Impairment to Alzheimer’s Disease using Cognitive Tests and MRI Measures of Demographic Data with an Ensemble Model	2024	12	2	250	268	
170	Rao T.C.; Nayak K.; Anjaneyulu P.; Madhuri T.; Rajesh S.; Dedipya S.P.V.; Sharma P.S.; Reddy P.A.	Blockchain-Based Ether Transmission That Gives Ledgers Transparency and Security	2024	421		545	554	10.1007/978-3-031-51167-7_52
171	Raviteja S.; Sekhar K.Ch.; Rapeta S.R.; Rao D.B.; Ushaswini B.	The Combustion and Emission Characteristics of Corn Oil Biodiesel with Titanium Oxide (TiO2) Nano-additive	2024	13	1	97	103	10.13074/jent.2024.03.241512
172	Chandrashekhara K.; Leela P.; Madhavi K.R.; Avanija J.; Tangudu N.	Grey Wolf Optimizer and Deep Neural Network based Feature Selection and Classification in Medical Image Analysis	2024			957	960	10.23919/INDIACom61295.2024.10498958
173	Duppala A.; Palli S.; Raju R.S.; Sreeramulu D.; Pandipati S.; Rejeti P.K.	Advancements in Vibration Analysis for Rail Vehicle Dynamics	2024	Part F2419		355	374	10.1007/978-981-97-0515-3_15
174	Ray S.K.	Flood risk index mapping in data scarce region by considering GIS and MCDA (FRI mapping in data scarce region by considering GIS and MCDA)	2024					10.1007/s10668-024-04641-2

175	Sahu S.R.; Tripathy B.	QoS-based energy-efficient hybrid routing protocols in RSU assisted VANET using clustering mechanism	2024					10.1080/00207217.2024.2354060
176	Rao C.K.; Sahoo S.K.; Yanine F.F.	Intelligent Energy Management System of a Microgrid Using Optimization Techniques	2024			155	173	10.1201/9781003481836-10
177	Rajasekaran S.; Krishnamoorthy M.; Srinivasan S.; Gouda P.K.	Integrated renewable electrification system modeling and tri-objective optimization analysis for net zero energy institutional building: a simulated case study of green hydrogen production	2024					10.1007/s10668-024-05066-7
178	Kishore C.R.; Behera H.S.	Malware Attack Detection in Vehicle Cyber Physical System for Planning and Control Using Deep Learning	2024	60		167	193	10.1007/978-3-031-54038-7_6
179	Ravikiran Y.T.; Ramana C.H.V.V.; Alla S.K.; Prashantkumar M.; Arundhati B.; Mishra D.K.; Thomas S.	Nanomaterial for Humidity Sensor Applications	2024	206		53	72	10.1007/978-981-99-7848-9_3
180	Tarra J.R.; Guntreddi V.R.; Suneeta K.; Suman J.V.; Gorripotu T.S.; Kanthi A.	Qualitative Analysis on Impact of Aging on the Electrical Properties of Polymeric Insulators	2024					10.1109/AMATHE61652.2024.10582110
181	Rao C.K.; Sahoo S.K.; Yanine F.F.	An IoT-based intelligent smart energy monitoring system for solar PV power generation	2024	11	1			10.1515/ehs-2023-0015
182	Ramesh B.; Sivamurugan P.; Kavitha K.R.; Apparao D.; Murali D.; Gotagunaki S.; Baskaran J.; Kamalakannan R.; Vardhan T.V.	Performance evaluation of luffa-sugarcane bagasse-based polymer-reinforced composites using Taguchi's method	2024					10.1007/s13399-024-05886-7
183	Rao C.K.; Sahoo S.K.; Yanine F.F.	An internet of things-based intelligent smart energy monitoring system for solar photovoltaic applications	2024			375	416	10.1016/B978-0-443-13392-3.00019-0
184	Ray S.K.; Desai V.R.	Identification of Suitable Sites for Water Harvesting Structures in Jamsholaghat Sub-basin Using GIS and Multi-Criteria Decision Analysis	2024	52	1	189	202	10.1007/s12524-024-01825-1
185	Rao Vaddi D.; Malla R.; Geddapu S.	Magnetic activated carbon: A promising approach for the removal of methylene blue from wastewater	2024	317				10.1016/j.dwt.2024.100146
186	Yamuna V.; Stalin Babu G.; Vijay Kumar G.; Manchala Y.	A Deep Learning Framework for Kidney Stone Prediction	2024	1096		95	102	10.1007/978-981-99-7137-4_8
187	Dash P.B.; Priyadarshani P.P.; Pehlivanoğlu M.K.	Intelligent Biometric Authentication-Based Intrusion Detection in Medical Cyber Physical System Using Deep Learning	2024	60		345	375	10.1007/978-3-031-54038-7_13
188	Vijayakrishna B.; Mrudula G.; Sagar Y.; Prakash P.; Janaki D.V.; Satyanarayana M.V.N.V.	Mechanical Properties Enhancement in Friction Stir Processed AA2024 Alloy through Pin Profile Optimization	2024					10.1007/s40033-024-00751-3
189	Krishna Rao C.; Sahoo S.K.; Yanine F.F.	IoT enabled Intelligent Energy Management System employing advanced forecasting algorithms and load optimization strategies to enhance renewable energy generation	2024	4				10.1016/j.uncres.2024.100101
190	Rao C.K.; Sahoo S.K.; Yanine F.F.	A systematic review of recent developments in IoT-based demand side management for PV power generation	2024	11	1			10.1515/ehs-2023-0124
191	Sirish Kumar P.; Naidu M.S.R.; Srilatha Indira Dutt V.B.S.; Pedada K.R.; Challa C.	Distributed State Estimation for GPS Navigation: The Correntropy Extended Kalman Filter Approach	2024	1015 LNNS		125	136	10.1007/978-981-97-3523-5_10
192	Mahapatro P.K.; Padhy N.	Reviewing the Landscape: Component-Based Software Engineering Practices and Challenges	2024			360	365	10.1109/ESIC60604.2024.10481576
193	Ramesh S.; Srikanth V.V.V.S.S.P.S.; Ratnamani M.V.; Bandaru R.; Iampan A.	ON CLOSED ELEMENTS IN AN ALMOST SEMI-HEYTING ALGEBRA	2024	11				10.28924/APJM/11-30
194	Sambana B.; Srinivasa Rao P.; Rama Rao A.; Yuvaraju C.; Murali Mohan T.; J V G Prakasa Rao P.; N P Patnaik M.; Satish D.	Diabetes Detection and Analysis Using Machine Learning	2024	421		787	798	10.1007/978-3-031-51167-7_75
195	Rao C.K.; Sahoo S.K.; Yanine F.F.	Smart Energy Management and Monitoring System for Electric Vehicles with IoT Integration	2024			57	80	

196	Raju Rallabandi S.; Pilla D.P.; Dowluru S.; Palli S.; Sharma N.; Sharma S.K.; Sharma R.C.	Critical evaluation of epoxy-hemp-pineapple-palm fiber composites using hybrid AHM-TOPSIS technique for sustainable structural applications	2024	47	3	325	336	10.1080/02533839.2024.2308250
197	Aancy H.M.; Kodgire S.P.; Mohitha M.; Manimegalai V.; Vijay G.; Dhotre S.	Block Chain Technology for Securing IoT Devices and Data	2024					10.1109/ICONSTEM60960.2024.10568652
198	Saikrishnamacharyulu I.; Rao V.M.; Marrapu B.M.	Assessment of Reinforced Slope Stability of Soils using Multiple Regression Models	2024	12	8s	469	481	
199	Neeraja R.; Ramanaiah M.; Narayana V.S.; Hima Bindu G.	Computer-Assisted Statistical Analysis of L-Methionine Protonation Equilibria in The Anionic, Cationic, and Neutral Micellar Systems	2024	438 SPMS		45	56	10.1007/978-3-031-51163-9_6
200	Sharma R.C.; Palli S.; Dharmana L.; Sharma S.K.; Sharma A.; Kharola A.; Sharma N.	Simulation of transient dynamic response of a locomotive considering its flexibility and rigidity	2024	55	01-Feb	33	47	10.1177/09574565231212684
201	Ray S.K.	Identifying the groundwater potential zones in Jamsholaghat sub-basin by considering GIS and multi-criteria decision analysis	2024	21	1	515	540	10.1007/s13762-023-04923-8
202	Maurya O.P.; Modalavalasa S.; Dutta S.	Quantifying Changes in Downstream Flow Characteristics in Sinuous Channels Due to the Series of Floodplain Sand Mining Pits	2024	470		91	103	10.1007/978-981-97-1227-4_7
203	Gali N.R.; Krishnapriya S.; Kirubasri G.; Jagtap M.T.; Marthanda A.V.G.A.; Shahid M.	Artificial Intelligence-Powered Electric Vehicle's Battery Management System with IoT	2024	12	2s	511	518	
204	Tejeswara Rao N.; Lokanadha Rao T.; Ashok G.; Naidu Ponnada G.	Modelling and analysis of Matrix Converters Using MATLAB	2024	1375	1			10.1088/1755-1315/1375/1/012028
205	Kumar P.S.; Rao G.V.V.J.; Kumar R.S.; Satyanarayana P.E.	FIXED POINT THEOREMS FOR A PAIR OF $(\tilde{I} \pm, \tilde{I}^*)$ -GERAGHTY CONTRACTION TYPE MAPS IN COMPLETE METRIC SPACES	2024	29	1	57	67	10.22771/nfaa.2024.29.01.05
206	Sekhar K.C.; Kumar G.S.; Krishna B.T.	Employing Efficient Decoding Algorithms to Reduce Bit Error Rates in 5G Applications and beyond	2024					10.1109/WAMS59642.2024.10527925
207	Annanaidu P.; Gayatri M.; Sreeja P.; Rakesh Kumar V.; Sai Tharun P.; Divakar B.	Computer Vision-Based Malpractice Detection System	2024	438 SPMS		95	107	10.1007/978-3-031-51163-9_11
208	Krishna M.; Kappala S.; Santhikumar R.	Cylindrically Symmetric Generalized Ghost Pilgrim Dark Energy Cosmological Univers	2024	17	2	257	265	
209	Rao C.K.; Sahoo S.K.; Yanine F.F.	Renewable Power Generation Price Prediction and Forecasting Using Machine Learning	2024			21	47	
210	Priyanka D.; Moulya M.; Lakshmi T.S.; Satwika G.; Aravind A.; Kiran K.U.	Hand Talk Assistance with TensorFlow Single Shot Detector	2024	421		691	704	10.1007/978-3-031-51167-7_66
211	Saibabu N.; Chappa M.; Chaitanya N.; Das S.; Rao A.L.; Mallam M.	Big Data: An Essential Route for Creating New Business Prospects	2024					10.1109/AMATHE61652.2024.10582054
212	Poojari A.A.; Sivaji U.; Devi B.R.; Sujatha G.; Madhavi K.R.; Kumar T.R.	Clinical Healthcare Applications: Efficient Techniques for Heart Failure Prediction Using Novel Ensemble Model	2024	16	1	149	166	10.22059/jitm.2024.96380
213	Turukmane A.V.; Tangudu N.; Sreedhar M.B.; Ganesh D.; Sagarika Reddy P.S.; Batta U.	An Effective Routing Algorithm for Load balancing in Unstructured Peer-to-Peer Networks	2024	12	7s	87	97	
214	Eluri R.K.; Valicharla K.; Divya M.; Anusha K.B.	A Scrutiny of Machine Learning Methods for the Detection and Identification of Cyber Intrusion	2024					10.1109/AMATHE61652.2024.10582241
215	Swapnarekha H.; Manchala Y.	Application of Deep Learning in Medical Cyber-Physical Systems	2024	60		245	265	10.1007/978-3-031-54038-7_9
216	Neelima G.; Satish A.R.; Maram B.; Chigurukota D.R.	CAHO-DNFN: ME-Net-based segmentation and optimized deep neuro fuzzy network for brain tumour classification with MRI	2024	72	5	557	575	10.1080/13682199.2023.2211890
217	Sahu S.R.; Tripathy B.	A Systematic VANET Traffic Congestion by Eliminating Recursion Using Intervention Linear Minimum Spanning Tree (ILMST) for Traffic Management System	2024	438 SPMS		175	186	10.1007/978-3-031-51163-9_18
218	Terlapu P.V.	Drinkers Voice Recognition Intelligent System: An Ensemble Stacking Machine Learning Approach	2024					10.1007/s40745-024-00559-8

219	Dhariwal N.; Sengupta N.; Madijagan M.; Patro K.K.; Kumari P.L.; Abdel Samee N.; Tadeusiewicz R.; PÅ,awiak P.; Prakash A.J.	A pilot study on AI-driven approaches for classification of mental health disorders	2024	18				10.3389/fnhum.2024.1376338
220	Kanna R.K.; Sahoo S.K.; Madhavi B.K.; Mohan V.; Stalin Babu G.; Panigrahi B.S.	Detection of Brain Tumour based on Optimal Convolution Neural Network	2024	10				10.4108/eetpht.10.5464
221	Sharma A.; Sharma V.S.; Gupta S.; Sharma R.C.; Palli S.; Sharma N.	Additive manufacturing in the COVID-19 pandemic: Equipment and challenges?	2024					10.1177/25165984241228083
222	Nataraj D.; Rao K.C.; Chakradhar K.S.; Ujwala G.V.; Rao B.S.; Raman Y.S.V.	A Wide Band Antenna for both S-Band and C-Band Satellite Communication Applications	2024	19	1	28	36	10.12720/jcm.19.1.28-36

2023 Research Publications								
S.No	Authors	Title	Year	Volume	Issue	Page start	Page end	DOI
1	Hiremath S.; Shetty E.; Prakash A.J.; Sahoo S.P.; Patro K.K.; Rajesh K.N.V.P.S.; PÅ,awiak P.	A New Approach to Data Analysis Using Machine Learning for Cybersecurity	2023	7	4			10.3390/bdcc7040176
2	Mohana Krishnudu D.; Venkateshwar Reddy P.; Sreeramulu D.; Saikumar Reddy R.V.	Effect of fiber content and wear parameters on abrasive wear behaviour of abutylon indicum fiber reinforced epoxy composites and its prediction using ANFIS	2023	3				10.1016/j.hybadv.2023.100040
3	Kandukuri U.R.; Prakash A.J.; Patro K.K.; Neelapu B.C.; Tadeusiewicz R.; PÅ,awiak P.	Constant Q-Transform-Based Deep Learning Architecture for Detection of Obstructive Sleep Apnea	2023	33	3	493	506	10.34768/amcs-2023-0036
4	Patro K.K.; Allam J.P.; Neelapu B.C.; Tadeusiewicz R.; Acharya U.R.; Hammad M.; Yildirim O.; PÅ,awiak P.	Application of Kronecker convolutions in deep learning technique for automated detection of kidney stones with coronal CT images	2023	640				10.1016/j.ins.2023.119005
5	Ramana B.V.; Panda N.; Teja S.; Mohapatra H.; Dalai A.K.; Majhi S.K.	Improved Chaotic Grey Wolf Optimization for Training Neural Networks	2023	82	11	1193	1207	10.56042/jsir.v82i11.5322
6	Ganivada R.; Manyala G.; Surakasi R.; Rao D.B.C.; Krishna M.J.	Corn Oil Biodiesel Dispersed with Nanopowder as Cutting Fluid in Metal Cutting Process on CNC Milling Machine	2023	15	7	989	995	10.4273/ijvss.15.7.23
7	Nayak S.R.; Nayak J.; Sinha U.; Arora V.; Ghosh U.; Satapathy S.C.	An Automated Lightweight Deep Neural Network for Diagnosis of COVID-19 from Chest X-ray Images	2023	48	8	11085	11102	10.1007/s13369-021-05956-2
8	Rao D.B.C.; Reddy V.B.; Vinay P.V.; Krishna M.J.; Surakasi R.	Economical Speed Test on a 4-Stroke Single-Cylinder Diesel Engine Running on Diesel Mixed with Chicken Waste Oil	2023	15	7	912	914	10.4273/ijvss.15.7.07
9	Venugopal K.; Das S.; Badawy H.R.H.	Prediction analysis of gen zers' attitudes on ecological consciousness	2023			342	357	10.4018/979-8-3693-1186-8.ch019
10	Rao M.V.G.; Ramanjaneyulu N.; Pydi B.; Soma U.; Babu K.R.; Prasad S.H.	Enhancing Performance of Dual-Gate FinFET with High-K Gate Dielectric Materials in 5 nm Technology: A Simulation Study	2023	24	6	557	569	10.1007/s42341-023-00473-5
11	Mallika T.; Kavila S.D.; Pydi B.; Rajesh B.	A Novel Method for Prediction of Crop Yield Using Deep Neural Networks	2023	11	4	308	315	
12	Rao K.E.; Pydi B.M.; Vital T.P.; Naidu P.A.; Prasann U.D.; Ravikumar T.	An Advanced Machine Learning Approach for Student Placement Prediction and Analysis	2023	19	8	536	546	10.23940/ijpe.23.08.p6.536546
13	Naveen Y.; Lokanadham D.; Naidu D.R.; Sharma R.C.; Palli S.; Lila M.K.	An Experimental Study on the Influence of Blended Karanja Biodiesel on Diesel Engine Characteristics	2023	15	2	154	160	10.4273/ijvss.15.2.02
14	Venugopal K.; Pranaya D.; Das S.; Jena S.K.	Handloom Weaving: Critical Factors influencing the Satisfaction- The Socio & Economic Context	2023	68	4	1979	1988	10.46852/0424-2513.4.2023.9
15	Pabba D.P.; Satthiyaraju M.; Aepuru R.; Akbari-Fakhrabadi A.; Meruane V.; Sampatirao H.P.; Thirumurugan A.	Flexible piezoelectric, triboelectric and hybrid nanogenerators	2023					10.1088/978-0-7503-5492-9ch12
16	Swetha K.; Vijay Kumar D.; Vakula V.S.	Design of self-organized membership functions for an optimal fuzzy controller in enhancing frequency regulation	2023	105	6	4549	4567	10.1007/s00202-023-01936-x
17	Das S.; Saibabu N.; Pranaya D.	Blockchain and intelligent computing framework for sustainable agriculture: Theory, methods, and practice	2023			208	228	10.4018/979-8-3693-0044-2.ch012
18	Feleke S.; Pydi B.; Satish R.; Kotb H.; Alenezi M.; Shouran M.	Frequency Stability Enhancement Using Differential-Evolution- and Genetic-Algorithm-Optimized Intelligent Controllers in Multiple Virtual Synchronous Machine Systems	2023	15	18			10.3390/su151813892
19	Rao K.C.; Lakshmunaidu M.; Nataraj D.; Ujwala G.V.; Chakradhar K.S.	A Circularly Polarized Antenna for UHF Satellite Communication Applications	2023	18	10	643	657	10.12720/jcm.18.10.643-657
20	Raju S.R.; Shariff S.H.; Pandi T.; Santhoshi Y.J.; Babu V.N.	Design of Automated Braking System of Vehicle Using PLC Ladder and Simulated with WPL Software	2023	2794	1			10.1063/5.0166076
21	Sai V.; Rao C.J.; Prasadarao B.V.V.; Sharma R.C.; Sreeramulu D.; Lila M.K.	Performance and Emission Investigation of Margosa Oil Biodiesel	2023	15	2	199	202	10.4273/ijvss.15.2.10

22	Gurubelli Y.; Ramanathan M.; Ponnusamy P.	Colour texture descriptor for CBIR of diseased tomato leaf images using modified local zigzag pattern	2023	82	24	38077	38095	10.1007/s11042-022-14292-y
23	Acharya S.; Sivarajan G.; Kumar D.V.; Srikrishna S.	Modeling combined economic emission dispatch for renewable energy system via Levy-based glowworm swarm optimization	2023	52	9	3315	3337	10.1108/K-08-2021-0728
24	Balakrishna M.; Neeraja R.; Kumar J.S.; Ramanaiah M.	AN ELECTROMETRIC METHOD FOR THE DETERMINATION OF IMPACT OF DMSO-WATER MIXTURES ON pKa VALUES OF SALICYLIC ACID DERIVATIVES	2023	15	6	309	314	10.22159/ijap.2023v15i6.49253
25	Bhardawaj S.; Jha A.K.; Sharma R.C.; Palli S.; Lokanadham D.; Sharma N.; Dhiman N.	Finite Element Analysis of Two Disk Rotor System used in Automobile Turbochargers	2023	15	4	501	504	10.4273/ijvss.15.4.09
26	Surakasi R.; Rao M.G.; Yegireddy H.; Ganivada R.; Yajjala R.	Examining the Effects of Load Variation on the Tribological Behavior of a Blended Lubricant Made from Corn Oil Biodiesel	2023	15	7	951	955	10.4273/ijvss.15.7.15
27	Gouthamsri S.; Ramanaiah M.; Basavaiah K.; Jaya Rao K.	Zr-doped ZnO nanohybrid via glycine mediated sol-gel approach as benign supporter for degradation of Crystal violet and antibacterial performance	2023	6				10.1016/j.rechem.2023.101080
28	Patro K.K.; Allam J.P.; Sanapala U.; Marpu C.K.; Samee N.A.; Alabdulhafith M.; Plawiak P.	An effective correlation-based data modeling framework for automatic diabetes prediction using machine and deep learning techniques	2023	24	1			10.1186/s12859-023-05488-6
29	Sharma R.C.; Palli S.; Bhardawaj S.; Jha A.K.; Duppla A.; Sharma N.; Sharma S.; Dhiman N.	Dynamic Behaviour of Railway Vehicle under Bump and Pothole Track Irregularities	2023	15	4	566	569	10.4273/ijvss.15.4.22
30	Monica S.; Singh A.K.; Kumar D.V.	Design and implementation of GCMBO control strategy for grid integrated SPV-DSTATCOM	2023	6				10.1016/j.prime.2023.100356
31	Acharya S.; Ganesan S.; Kumar D.V.; Subramanian S.	Optimization of cost and emission for dynamic load dispatch problem with hybrid renewable energy sources	2023	27	20	14969	15001	10.1007/s00500-023-08584-0
32	Pandipati S.; Potnuru S.; Sreeramulu D.	Multi-response optimization of friction stir lap welding of aluminum plates through GRA-PCA	2023	4	4			10.1088/2631-8695/aca881
33	Patro K.K.; Allam J.P.; Hammad M.; Tadeusiewicz R.; Plawiak P.	SCovNet: A skip connection-based feature union deep learning technique with statistical approach analysis for the detection of COVID-19	2023	43	1	352	368	10.1016/j.bbe.2023.01.005
34	Rajendra P.; Girisha A.; Ravi P.V.N.H.; Gunavardhana Naidu T.	A Machine Learning Perspective on Stochastic Dynamic Equations	2023			149	154	10.1109/TEECCON59234.2023.10335886
35	Tangudu N.; Rayapati N.; Ramesh Y.; Vital P.; Kavitha K.; Narayana G.V.L.	Hostel Out-Pass Implementation Using Multi Factor Authentication	2023	649 LNNS		532	542	10.1007/978-3-031-27499-2_50
36	Ravikiran Y.T.; Naidu C.H.G.; Prashantkumar M.; Alla S.K.; V.V. Ramana C.H.	Polymer blend nanocomposites for capacitor applications	2023			405	430	10.1016/B978-0-323-99549-8.00006-6
37	Gowda D.V.; Prasad K.D.V.; Shekhar R.; Srinivas R.; Srinivas K.N.V.; Lakineni P.K.	Development of a Real-time Location Monitoring App with Emergency Alert Features for Android Devices	2023					10.1109/GCAT59970.2023.10353310
38	Chitambara Rao K.; Chakradhar K.S.; Nataraj D.; Ujwala G.V.; Rao C.R.; Dadi H.S.	Design and Development of a Unique Antenna for Numerous Applications of Satellite Communication Based on Aluminium, Nickel and Copper Materials	2023	13	5	277	287	10.15866/irecap.v13i5.23698
39	Divyavani G.; Usha Rani B.; Ganesh Kumar P.; Sudha Rani T.	Predicting the Impacts of the Environment and Severity of High-risk Burns by AIML	2023					10.1109/ICCAMS60113.2023.10526041
40	Jyotiprasad G.; Dowluru S.; Rallabandi S.R.; Sharma N.; Sharma R.C.; Palli S.	Thermal-Structural and Macromechanical Behavior Analysis of Graphite-Based Laminated Composite	2023					10.4271/2023-01-5041
41	Feleke S.; Anteneh D.; Pydi B.; Satish R.; El-Shahat A.; Abdelaziz A.Y.	Feasibility and Potential Assessment of Solar Resources: A Case Study in North Shewa Zone, Amhara, Ethiopia	2023	16	6			10.3390/en16062681
42	Patro K.K.; Devipriya S.; Praveen T.; Rao M.J.; Kumar H.V.; Sneha B.	Human Facial Emotions Recognition Using Customized Deep Convolutional Neural Network	2023			693	697	10.1109/AIC57670.2023.10263825
43	Vasanti G.; Lakshmi K.	Fuzzy Logic Approach to Estimate Vulnerability Level to Infectious Agents – Covid an Example	2023	12758				10.1117/12.2684055
44	Prabhakara Rao T.; Satyanarayana Murthy B.	Extended group-based verification approach for secure M2M communications	2023	15	5	2479	2488	10.1007/s41870-023-01284-w
45	Sharma R.C.; Palli S.; Sharma S.K.	Ride analysis of railway vehicle considering rigidity and flexibility of the carbody	2023	46	4	355	366	10.1080/02533839.2023.2194918

46	Naidu B.R.; Tangudu N.; Sekhar C.C.; Kavitha K.; Ramana B.V.; Reddy P.V.; Sahukaru J.; Lopinti R.G.	Toxic Comment Classification using Deep Learning	2023	11	7	93	104	10.17762/ijritcc.v11i7.7834
47	Palli S.; Rallabandi S.R.; Dowluru S.; Duppala A.; Muddada V.; Rejeti P.; Dontikurti R.	Process Management in Green Manufacturing	2023	Part F647		307	322	10.1007/978-981-99-2150-8_12
48	Saikiran C.; Palli S.; Bondala R.; Sharma R.C.; Sreeramulu D.; Dontikurti R.	Experimental Investigation on Thermal Behaviour of Silicon Carbide (SiC) based Polymer Composites under Hygrothermal Conditions	2023	15	2	222	226	10.4273/ijvss.15.2.15
49	Rao B.R.; Chakradhar K.S.; Nataraj D.	Design, optimization and experimental verification of UWB-MIMO antenna with WLAN and complete X-band notched characteristics, checked with characteristic mode analysis (CMA)	2023	115	1	139	158	10.1007/s10470-023-02149-9
50	Yasmin G.; Chowdhury S.; Nayak J.; Das P.; Das A.K.	Key moment extraction for designing an agglomerative clustering algorithm-based video summarization framework	2023	35	7	4881	4902	10.1007/s00521-021-06132-1
51	Nayak J.; Rekha H.S.; Naik B.	Fuzzy C-Means Clustering: Advances and Challenges (Part II)	2023			239	269	10.1007/978-3-031-24628-9_12
52	Swapnarekha H.; Nayak J.; Behera H.S.; Dash P.B.; Pelusi D.	An optimistic firefly algorithm-based deep learning approach for sentiment analysis of COVID-19 tweets	2023	20	2	2382	2407	10.3934/mbe.2023112
53	Pandey R.; Khatri A.; Premalatha G.; Lakshmu Naidu M.; Verma D.; Shingadiya C.J.	Integration of Blockchain Technology in Health Care System: An Intensive Review	2023			968	972	10.1109/ICACITE57410.2023.10182960
54	Ramanaiah M.; Balakrishna M.; Neeraja R.; Gouthamsri S.; Seetharam P.	The Formation Analysis of Ca (II), Mg (II), Zn (II) and 5-Hydroxysalicylic Acid Binary Complexes in Cetyltrimethylammonium Bromide Cationic Micelles	2023	57	3	s734	s741	10.5530/ijper.57.3s.83
55	Terlapu P.V.; Jagadeeswara Rao G.; Siva Prasad A.; Ramesh Y.; Ch R.; Yoshita B.	Intellectual Gestational Diabetes Diagnosis System Using MLP-Whale Optimization Algorithm including Statistical Analysis	2023	14	1	485	505	10.12785/ijcds/140138
56	Prasad N.; Pardhasaradhi P.; Madhav B.T.P.; Raju V.L.; Priya P.P.	A Triband Hexagonal Shaped Polarization Insensitive Absorber by Tuning Graphene Material in Terahertz Frequency Domain	2023	116		145	154	10.2528/PIERM23031508
57	Rambabu D.; Palli S.; Rao D.B.; Azad D.; Ranganath B.A.; Hossain I.	Design and Analysis of Turbocharger Turbine Wheel Using Composite Materials	2023	Part F647		381	397	10.1007/978-981-99-2150-8_16
58	Basha S.M.; Hariprasad S.; Bharani B.; Verma H.R.; Singh K.K.	Effect of Pre-Treatment by Organic Solvent on Leaching of Copper from Waste Printed Circuit Boards (WPCBs)	2023	12758				10.1117/12.2682201
59	Nutipalli P.; Gudla S.P.K.; Prasad P.K.; Choudhury T.; Rohini A.; Vallamsetla S.; Patni J.C.	Binary Classification for Attack Detection using Ensemble Machine Learning Models	2023					10.1109/ISAS60782.2023.10391455
60	Panda N.; Jena A.; Bendi V.R.	Performance Metrics Assessment in Sentimental Analysis over Machine Learning Approaches	2023					10.1109/InC457730.2023.10263026
61	Dash P.B.; Nayak J.; Kishore C.R.; Mishra M.; Naik B.	Efficient Ensemble Learning Based CatBoost Approach for Early-Stage Stroke Risk Prediction	2023	317		475	483	10.1007/978-981-19-6068-0_46
62	Gouthamsri S.; Jaya Rao K.; Ramanaiah M.; Basavaiah K.	Combustion-mediated sol-gel preparation of cobalt-doped ZnO nanohybrids for the degradation of acid red and antibacterial performance	2023	21	1			10.1515/chem-2023-0129
63	Pandurangarao K.; Chitti Babu V.; Ravi Kumar V.	Synthesis and characterization of Ti-WO3 films for electrochromic applications	2023	136				10.1016/j.optmat.2022.113381
64	Hanumantha Rao R.; Ramana C.H.V.V.; Gunavardhana Naidu T.	Studies on mechanical, dielectric and SHG efficiencies of undoped and Neodymium doped KDP crystals	2023	74		815	819	10.1016/j.matpr.2022.11.178
65	Sharma R.C.; Palli S.; Bhardawaj S.	A Review of Wheel-Rail Dynamic Behavior on Curved Tracks	2023	15	1	19	25	10.4273/ijvss.15.1.04
66	Sirish Kumar P.; Srilatha Indira Dutt V.B.S.	Absolute Point Positioning Algorithm for Navigation Applications	2023	926		447	461	10.1007/978-981-19-4971-5_33
67	Kavitha K.; Tangudu N.; Sahu S.R.; Narayana G.V.L.; Anusha V.	Detection of PCOS using Machine Learning Algorithms with Grid Search CV Optimization	2023	71	7	201	208	10.14445/22315381/IJETT-V7I17P219
68	Sambana B.; Ramesh Y.; Patro S.; Patnaik M N.P.; Prakasa Rao P.J.V.; Rama Rao A.; Mishra P.	Artificial Intelligence: Recent Trends, Opportunities, and Challenges in Real-World Scenarios	2023	401		37	48	10.1007/978-3-031-15175-0_4
69	Pedada K.R.; Bhujanga Rao A.; Patro K.K.; Allam J.P.; Jamjoom M.M.; Samee N.A.	A novel approach for brain tumour detection using deep learning based technique	2023	82				10.1016/j.bspc.2022.104549

70	Acharya S.; Praveen B.M.; Vijaya Kumar D.	Deep Q-Learning-Based Mud Ring Optimization Approach for Optimal Power Flow in Islanded DC Microgrid	2023					10.1080/15325008.2023.2283562
71	Sahu P.R.; Simhadri K.; Mohanty B.; Hota P.K.; Abdelaziz A.Y.; Albalawi F.; Ghoneim S.S.M.; Elsisi M.	Effective Load Frequency Control of Power System with Two-Degree Freedom Tilt-Integral-Derivative Based on Whale Optimization Algorithm	2023	15	2			10.3390/su15021515
72	Rao K.E.; Rao G.A.	Retraction Note: ensemble learning with recursive feature elimination integrated software effort estimation: a novel approach(Evolutionary Intelligence, (2020), 14, (151-162), 10.1007/s12065-020-00360-5)	2023	16	2	719		10.1007/s12065-022-00785-0
73	Gangwar A.; Shaw S.K.; Sharma A.; Alla S.K.; Kavita S.; Vasundhara M.; Gupta J.; Barick K.C.; Hassan P.A.; Prasad N.K.	Ferrimagnetic (Î±-Mn3O4/MnO)@rGO nanocomposite as potential adsorbent for organic pollutant dye	2023	612				10.1016/j.apsusc.2022.155778
74	Rao C.V.; Ramanaiah M.; Lakshman S.	Effect of Palladium acetate as Catalyst on the Synthesis of Novel Isoxazole Derivatives incorporating Carbazole Moiety	2023	27	11	24	34	10.25303/2711rjce024034
75	Vijaybabu T.R.; Ramesh T.; Pandipati S.; Mishra S.; Sridevi G.; Raja C.P.; Mensah R.A.; Das O.; Misra M.; Mohanty A.; Karthik Babu N.B.	High Thermal Conductivity Polymer Composites Fabrication through Conventional and 3D Printing Processes: State-of-the-Art and Future Trends	2023	308	7			10.1002/mame.202300001
76	Vijaychandra J.; Prasad B.R.V.; Darapureddi V.K.; Rao B.V.; Knypiański Ą	A Review of Distribution System State Estimation Methods and Their Applications in Power Systems	2023	12	3			10.3390/electronics12030603
77	Adapa S.K.; Jagadish	Prospects of Natural Fiber-Reinforced Polymer Composites for Additive Manufacturing Applications: A Review	2023	75	3	920	940	10.1007/s11837-022-05670-w
78	Moorthi K.; Sureshu S.; Vasanti G.; Mishra A.; Gandhewar N.; Kalra G.	IoT Enabled Mushroom Farm Automation Based on CNN-BiGRU-CRF Method	2023			1312	1317	10.1109/ICECA58529.2023.10395856
79	Rao B.R.; Chakradhar K.S.; Satyanarayana M.; Sriharsha A.V.; Nataraj D.	Design of a Compact Low-Profile Ultra Wideband Antenna (UWB) for Biomedical Applications	2023	649 LNNS		904	914	10.1007/978-3-031-27499-2_84
80	Balaka R.N.; Konkyana L.; Sekhar C.C.	Butterfly Classification Using CNN	2023					10.1109/RASSE60029.2023.10363564
81	Feleke S.; Pydi B.; Satish R.; Anteneh D.; AboRas K.M.; Kotb H.; Alharbi M.; Abuagreb M.	DE-Based Design of an Intelligent and Conventional Hybrid Control System with IPFC for AGC of Interconnected Power System	2023	15	7			10.3390/su15075625
82	Reddy A.R.; Sirish Kumar M.; Shereesha M.; Raju K.S.; Tangudu N.; Nagendra Babu G.	A Comprehensive Overview on Implementing IoT-AI Interface in Agriculture	2023			87	90	10.1109/ICAISS58487.2023.10250697
83	Sirish Kumar P.; Srilatha Indira Dutt V.B.S.	The Correntropy Kalman Filter: A Robust Estimator for GPS Applications	2023	927		497	512	10.1007/978-981-19-4975-3_40
84	Singh B.J.; Duppala A.; Kumar P.; Arora R.; Bahl S.	Strategic Optimization of Post Weld Heat Treatment for Dissimilar TIG Weldment of P22 and P91 Steels	2023	15	1	139	146	10.4273/ijvss.15.1.26
85	Feleke S.; Satish R.; Pydi B.; Anteneh D.; Abdelaziz A.Y.; El-Shahat A.	Damping of Frequency and Power System Oscillations with DFIG Wind Turbine and DE Optimization	2023	15	6			10.3390/su15064751
86	Patro K.K.; Allam J.P.; Chapa B.P.; Kumari P.L.; Hammad M.	Artificial intelligence-based biometric authentication using ECG signal	2023			123	147	10.1049/pbse020e_ch6
87	Acharyulu B.V.S.; Swamy S.K.; Seshasai B.; Rao K.L.	Collaborative Control of Voltage and Frequency of an Interconnected Power System Using MFO-Optimized Cascaded PI-PDF Controller	2023	926		649	658	10.1007/978-981-19-4971-5_47
88	Madhavi K.R.; Vooradi S.; Mounika P.; Yedlla S.; Tangudu N.	Emotion Analysis Using Convolutional Neural Network	2023	612		523	531	10.1007/978-981-19-9228-5_44
89	Nayak J.; Swapnarekha H.; Naik B.; Dhiman G.; Vimal S.	25 Years of Particle Swarm Optimization: Flourishing Voyage of Two Decades	2023	30	3	1663	1725	10.1007/s11831-022-09849-x
90	Kavitha K.; Singh K.; Shakya P.; Parasar V.K.; Kaushal D.; Kalra G.	An Intelligent Method for Predicting River Water Height Based on GRU-RNN Method	2023			86	91	10.1109/ICSSAS57918.2023.10331824
91	Venkatarao K.; Reddy M.C.; Kumar Y.P.; Raju L.S.; Rao B.R.; Azad D.	Multi-response optimization in WEDM process of Alâ€Si alloy using TLBO-graph theory algorithm towards sustainability	2023	126	####	3679	3694	10.1007/s00170-023-11355-8

92	Rao T.E.; Guruvulunaidu P.; Sura S.R.; Pudi V.N.; Karra S.; Tatikonda K.M.	Implementation of MPPT Techniques to Improve the Reliability of PV-WIND Hybrid System	2023					10.1109/ICCINS58907.2023.10450036
93	Kumar K.K.; Ramarao G.; Kumar P.P.; Nuvvula R.S.S.; Colak I.; Khan B.; Hossain M.A.	Reduction of High Dimensional Noninteger Commensurate Systems Based on Differential Evolution	2023	2023				10.1155/2023/5911499
94	Ramakrishna B.; Subbaiah K.V.	PSO Based Path Planning Strategy in Manufacturing Plants with Unknown Environmental Criteria	2023	11	2	267	271	
95	Das S.; Swapnarekha H.; Vimal S.	Integration of Blockchain Technology with Renewable Energy for Sustainable Development: Issues, Challenges and Future Direction	2023	725 LNNS		595	607	10.1007/978-981-99-3734-9_48
96	Yanda S.; Jagadish; Swamy Naidu N.V.; Adapa S.K.; Sivasankara Raju	Structural and Thermal Analysis of Modified Ventilated Paperboard Using Finite Element Analysis	2023			219	226	10.1007/978-981-19-4918-0_21
97	Sahu S.R.; Tripathy B.	A Survey on AGPA Nature-Inspired Techniques in Vehicular Ad-Hoc Networks	2023	947		729	740	10.1007/978-981-19-5936-3_68
98	Swapnarekha H.; Dash P.B.; Nayak J.; Routray A.R.	An Optimistic Bayesian Optimization Based Extreme Learning Machine for Polycystic Ovary Syndrome Diagnosis	2023	233		175	193	10.1007/978-3-031-17544-2_8
99	Kalluri S.R.; Kumar J.D.; Joga S.R.K.; Sudhakar V.; Jagadeesh G.; Kumar D.V.	A Complex Multi Power Quality Disturbances detection and classification using MRA DWT and k-NN Classifier Technique	2023					10.1109/ICONAT57137.2023.10080821
100	Babu G.S.; Yamuna V.; Manchala Y.; Raju V.A.G.; Ramesh C.; Kumar G.V.	An Intelligent Detection of Alzheimer Disease Using Advanced Deep Learning Approaches	2023					10.1109/ICAHC59020.2023.10430486
101	Dash P.B.; Kishore C.R.; Kommu V.; Raju V.L.; Mohapatra S.	Deep Convolutional Neural Network for Skin Cancer Classification	2023	725 LNNS		529	542	10.1007/978-981-99-3734-9_43
102	Terlapu P.R.V.; Jayaram D.; Rakesh S.; Gopalachari M.V.; Ramana B.V.; Tangudu N.; Kalidindi K.R.	Optimizing Chronic Kidney Disease Diagnosis in Uddanam: A Smart Fusion of GA-MLP Hybrid and PCA Dimensionality Reduction	2023	230		522	531	10.1016/j.procs.2023.12.108
103	Kannepally S.; Vijaya Kumar D.; Vakula V.S.	Load Frequency Control for Unequal Multi-Area Power System by Generation Control Strategy Using CFO (PR)2 Controller	2023					10.1080/15325008.2023.2253804
104	Raju N.; Mohan N.M.; Kumar V.	A Review of Extended Voltage Range DC-DC Converter Topologies	2023	569 LNNS		770	780	10.1007/978-3-031-19958-5_73
105	Panda N.; Mohanty P.; Naidu B.R.; Prasad G.K.	Application of deep convolutional neural network for facial appearance recognition	2023	2819				10.1063/5.0138172
106	Prakash A.J.; Patro K.K.; Saunak S.; Sasmal P.; Kumari P.L.; Geetamma T.	A New Approach of Transparent and Explainable Artificial Intelligence Technique for Patient-Specific ECG Beat Classification	2023	7	5			10.1109/LSSENS.2023.3268677
107	Eswara Rao K.; Pydi B.; Annan Naidu P.; Prasann U.D.; Anjaneyulu P.	Ensemble Learning Approach for Effective Software Development Effort Estimation with Future Ranking	2023	12	1			10.14201/adcaij.31206
108	Sangeeta K.; Divya M.; Divyajyothi B.	Contrast Enhancement of Medical Images Using Otsu Thresholding	2023	686 LNNS		603	614	10.1007/978-981-99-2100-3_47
109	Surakasi B.; Satish R.; Pydi B.; Kotb H.; Shouran M.; Abdul Samad B.	A Novel Methodology to Enhance the Smooth Running of the PM BLDC Motor Drive Using PWM-PWM Logic and Advance Angle Method	2023	11	1			10.3390/machines11010041
110	Venugopal K.; Das S.; Vakamullu G.	Critical factors for the upscale of online shopping: A rural perspective	2023			254	262	10.4018/978-1-6684-8898-0.ch016
111	Rao N.A.; Konkyana L.B.; Babu C.R.	Defected Ground Based MIMO Antenna for 5G mm Wave Applications	2023	11	Specia	15	19	10.37391/ijeer.11ngwcn03
112	Singh B.J.; Palli S.; Kumar P.; Bahl S.	Behavioural Investigation of Hardness Profile for Dissimilar TIG-Weldment between P22 and P91 Steels	2023	15	1	31	36	10.4273/ijvss.15.1.06
113	Prakash A.J.; Patro K.K.; Samantray S.; PÅ,awiak P.; Hammad M.	A Deep Learning Technique for Biometric Authentication Using ECG Beat Template Matching	2023	14	2			10.3390/info14020065
114	Satish R.; Pydi B.; Balamurali S.; Salkuti S.R.; Abdelaziz A.Y.; Feleke S.	A Comprehensive Power Quality Mitigation Tool: UPQC	2023	1039		47	68	10.1007/978-981-99-2066-2_3
115	Mishra D.; Naik B.; Nayak J.; Sourı A.; Dash P.B.; Vimal S.	Light gradient boosting machine with optimized hyperparameters for identification of malicious access in IoT network	2023	9	1	125	137	10.1016/j.dcan.2022.10.004
116	Bammidi R.; Sreeramulu D.; Madivada H.; Rejeti P.K.; Venkatesh M.	Towards an understanding of Ti-6Al-4V machining and machinability	2023	115		289	292	10.1016/j.matpr.2023.09.094

117	Adapa S.K.; Jagadish	An exhaustive review on intelligent computer-aided process planning in context with various optimisation techniques (OPTE-2021-1994)	2023	66	2	209	231	10.1504/IJMPT.2023.10051076
118	Rao C.K.; Sahoo S.K.; Yanine F.F.	Demand side energy management algorithms integrated with the IoT framework in the PV smart grid system	2023			255	277	10.1016/B978-0-323-95054-1.00007-X
119	Annan Naidu P.; Rao Pappu S.; Papa Rao S.	GAN-Based Handwritten Digit Recognition System	2023	Part F1466		567	575	10.1007/978-981-99-2742-5_58
120	Nayak J.; Dash P.B.; Naik B.	An Advance Boosting Approach for Multiclass Dry Bean Classification	2023	16	2	107	115	10.25103/jestr.162.14
121	Nageswara Rao G.; Ramesh Y.; Venkateswarlu B.; Sambana B.	Damaged Units Return Investigation in Printer-Producing Industry Utilizing Big Data	2023	401		127	139	10.1007/978-3-031-15175-0_11
122	Behara S.; Ravikanth B.; Chandra V.	On the galloping cross-flow vibration responses of three in-line square cylinders	2023	35	6			10.1063/5.0146666
123	Gopamsana M.; Shaik M.F.; Joyes S.N.; Chandra S.R.; Rao P.V.; Krishna Mohan G.S.S.S.S.V.	Enhancing Parkinson's Disease Diagnosis: A Novel Ensemble Stacking Algorithm using Voice Data Analysis	2023					10.1109/ICDSAAI59313.2023.10452655
124	Kumar P.S.; Naidu M.S.R.; Yamuna V.; Konkyana L.B.; Kranthi Kumar Vuriti S.K.; Yogeswari Y.	Guardian Shield: Empowering Women's Safety through IoT-Powered AI Innovation	2023					10.1109/ICAHC59020.2023.10431460
125	Ravikumar K.; Nagesh G.V.; Venkateswara Rao R.; Saikiran A.; Swapna R.; Gunavardhana Naidu T.; Hariprasad S.	Synthesis and Characterization of Shape-Stable Bio-Char Composite PCM Material for Solar Desalination Application	2023	1099		27	36	10.4028/p-Y7lhbL
126	Chakradhar K.S.; Rama Rao B.; Nataraj D.	Microstrip Patch Antenna Design with Improved Shark Smell Optimization Model	2023	128	4	2549	2569	10.1007/s11277-022-10059-8
127	Jalli R.; Kumar P.P.; S Nuvvula R.S.; Haroon N.H.; Srinivasarao B.; Siddiqui A.	Data Science Applications in Renewable Energy: Leveraging Big Data for Sustainable Solutions	2023			465	471	10.1109/ICRERA59003.2023.10269385
128	Satish R.; Bharathi B.V.V.L.K.; Mudadla D.; Salkuti S.R.; Pydi B.; Abdelaziz A.Y.	Harmonic Distortion Assessment in Three-Phase Distribution Networks with the Combined Penetration of Renewable Energy and D-STATCOM	2023	1039		87	105	10.1007/978-981-99-2066-2_5
129	Rao R.H.; Ramana C.V.V.; Patnaik P.S.	Ammonium Picronitrate: An Organic Crystal for Generation of Higher Harmonics and Photonic Applications	2023			515	525	10.1007/978-981-19-9493-7_50
130	Pemmada S.K.; Nayak J.; Behera H.S.	Early Detection of Stroke Risk Using Optimized Light Gradient Boosting Machine Approach Based on Demographic Data	2023	317		281	292	10.1007/978-981-19-6068-0_28
131	Rao N.A.; Konkyana L.B.	Four Element MIMO Antenna for Wireless Body Area Network and Advanced Wireless Services Applications	2023	136		151	160	10.2528/PIERC23052001
132	Rayapati N.; Reddy Madhavi K.; Anantha Natarajan V.; Goundar S.; Tangudu N.	Face Mask Detection Using Multi-Task Cascaded Convolutional Neural Networks	2023	606		521	530	10.1007/978-981-19-8563-8_50
133	Kumar P.S.; Dash P.B.; Rao B.K.; Vimal S.; Muhammad K.	Early Detection of Chronic Obstructive Pulmonary Disease Using LSTM-Firefly Based Deep Learning Model	2023	233		247	267	10.1007/978-3-031-17544-2_11
134	Meka S.; Sreeramulu D.; Dumpala L.	Development of Complex Feature Extraction System from Prismatic Parts Using Hybrid Algorithms	2023			65	75	10.1007/978-981-19-4208-2_6
135	Panigrahi S.; Swapnarekha H.; Subudhi S.	GACO: A Genetic Algorithm with Ant Colony Optimization-Based Feature Selection for Breast Cancer Diagnosis	2023	233		269	293	10.1007/978-3-031-17544-2_12
136	Phaneendra Y.; Dhanunjaya Rao B.N.; Bammidi R.; Nagesh B.; Niranjana Kumar I.N.	Optimization of Process Parameters for Tribological Behaviour of AA7075+WC Metal Matrix Composite Using ANOVA	2023			797	807	10.1007/978-981-19-4606-6_73
137	Barad S.; Jagadish; Adapa S.K.; Yanda S.	Experimental Optimization of Green FDM Process Parameters: An Integrated MCDM Approach	2023			233	242	10.1007/978-981-19-4208-2_17
138	Dash P.B.; Naik B.; Nayak J.; Vimal S.	Deep belief network-based probabilistic generative model for detection of robotic manipulator failure execution	2023	27	1	363	375	10.1007/s00500-021-05572-0
139	Adapa S.K.; Jagadish; Yanda S.; Raju S.S.	Optimization of AWJM Process on Processing of Lite Bamboo Reinforced Polymer Composite by Using Grasshopper Algorithm	2023			55	64	10.1007/978-981-19-4208-2_5

2022 Research Publications

S.No	Authors	Title	Year	Volume	Issue	Page start	Page end	DOI
1	Shashirangana J.; Padmasiri H.; Meedeniya D.; Perera C.; Nayak S.R.; Nayak J.; Vimal S.; Kadry S.	License plate recognition using neural architecture search for edge devices	2022	37	12	10211	10248	10.1002/int.22471
2	Kameswara Rao B.; Prasan U.D.; Jagannadha Rao M.; Pedada R.; Kumar P.S.	Identification of Heart Failure in Early Stages Using SMOTE-Integrated AdaBoost Framework	2022	281		537	552	10.1007/978-981-16-9447-9_41
3	Oram E.; Dash P.B.; Naik B.	Light-GBM for identification of osteosarcoma cell type from histological features.	2022			289	303	10.1016/B978-0-323-85240-1.00016-X
4	Satyanarayana V.S.V.; Sharma R.C.; Sateesh B.; Gopala Rao L.V.V.; Mohan Rao N.; Palli S.	Optimum Response of a Nonlinear Passive Vehicle Suspension System under Random Road Excitations	2022	16	1			10.4271/02-16-01-0004
5	Nagapuri L.; Prabu A.V.; Penchala S.; Salah B.; Saleem W.; Kumar G.S.; Aziz A.S.A.	Energy Efficient Underlaid D2D Communication for 5G Applications	2022	11	16			10.3390/electronics11162587
6	Nayak J.; Dash P.B.; Naik B.; Mohapatra S.; Routray A.R.	Deep Learning-Based Trend Analysis on Indian Stock Market in COVID-19 Pandemic Scenario and Forecasting Future Financial Drift	2022	103	5	1459	1478	10.1007/s40031-022-00762-2
7	Nayak S.R.; Nayak J.; Vimal S.; Arora V.; Sinha U.	An ensemble artificial intelligence-enabled MIoT for automated diagnosis of malaria parasite	2022	39	4			10.1111/exsy.12906
8	Gedela S.B.; Sighakolli N.; Ramisetty R.R.	OPTIMAL FEATURES SELECTION FOR ALZHEIMER'S DISEASE PREDICTION	2022	29	4			
9	Santhikumar R.; Kartillkayani K.; Mishra M.K.; Thota S.; Beschi I.S.; Mishra B.P.	Utilization of Big Data Analytics for Risk Management	2022			1559	1565	10.1109/ICIRCA54612.2022.9985709
10	Bodhankar A.; Gupta V.; Premalatha G.; Lakshmu Naidu M.; Singh D.P.; Dhole S.V.	A new way of estimating the value of bandwidth for the end-to-end network using ABW algorithm	2022			781	787	10.1109/IIHC55949.2022.10059687
11	Dash P.B.; Naik B.; Nayak J.; Vimal S.	Socio-economic factor analysis for sustainable and smart precision agriculture: An ensemble learning approach	2022	182		72	87	10.1016/j.comcom.2021.11.002
12	Sharma R.C.; Palli S.; Gopala Rao L.V.V.; Duppala A.; Sharma S.K.	Four-Wheel Vehicle Response under Bump, Pothole, Harmonic, and Random Excitations Using Bond Graph/Simulink Technique	2022	16	2			10.4271/02-16-02-0008
13	Stalin Babu G.; Tirumala Rao S.N.; Rajeswara Rao R.	Alzheimer's disease Prediction by Hybrid CNN and SVM Classifier with Metaheuristic Approach	2022	12	1	1119	1128	10.12785/ijcds/120189
14	Aganti M.; kumar Gouda P.; Kodandapani D.; Santhakumar C.; Chokkalingam B.	Investigation of battery management system for electric vehicles wireless power charger	2022	68		1868	1873	10.1016/j.matpr.2022.08.052
15	Dharmana L.; Kambagowni V.S.	Investigation of mechanical properties and tribological performance of Al-LSP and Al-Al2O3 composite	2022	19	6	766	776	10.1108/WJE-03-2021-0172
16	Srinivasa Rao B.; Gupta M.M.; Sheikameer B.S.; Mathew S.K.; Sethu Ram M.; Imanbayeva Z.	Reduction of Human Error through Deep Learning Model using Internet of Things	2022			94	99	10.1109/I-SMAC55078.2022.9987401
17	Das S.; Nayak J.	Customer Segmentation via Data Mining Techniques: State-of-the-Art Review	2022	281		489	507	10.1007/978-981-16-9447-9_38
18	Salina A.; Ilavarasan E.; Kalla Y.R.	IoT enabled machine learning framework for social media content-based recommendation system	2022	7	2	161	175	10.1504/IJIVICS.2022.122555
19	Rajasoundaran S.; Prabu A.V.; Routray S.; Malla P.P.; Kumar G.S.; Mukherjee A.; Qi Y.	Secure routing with multi-watchdog construction using deep particle convolutional model for IoT based 5G wireless sensor networks	2022	187		71	82	10.1016/j.comcom.2022.02.004
20	Swapnarekha H.; Nayak J.	Effect of COVID-19 on cancer patients: Issues and future challenges	2022			215	235	10.1016/B978-0-323-85240-1.00010-9
21	Das S.; Nayak J.; Subudhi S.	An Impact Study on Covid-19 with Sustainable Sports Tourism: Intelligent Solutions, Issues and Future Challenges	2022	480 LNNS		605	624	10.1007/978-981-19-3089-8_57
22	Das S.; Nayak J.; Naik B.	An impact study on COVID-19 and tourism sustainability: intelligent solutions, issues and future challenges	2022	19	01-Feb	92	119	10.1504/wrstd.2023.127268

23	Poonia R.C.; Agarwal B.; Kumar S.; Khan M.S.; Marques G.; Nayak J.	Cyber-Physical Systems: AI and COVID-19	2022			1	260	10.1016/C2020-0-02352-2
24	Kumar G.V.; Vijay B.; Stalin Babu G.; Ramesh B.	Detection of Cyclones and Extreme Weather Events Using Advanced Deep Learning Methods	2022					10.1109/ICATIECE56365.2022.10046958
25	Kishore C.R.; Pemula R.; Vijaya Kumar S.; Rao K.P.; Chandra Sekhar S.	Deep Learning Models for Identification of COVID-19 Using CT Images	2022	425		577	588	10.1007/978-981-19-0707-4_52
26	Jaya Prakash A.; Patro K.K.; Hammad M.; Tadeusiewicz R.; PÅ,awiak P.	BAED: A secured biometric authentication system using ECG signal based on deep learning techniques	2022	42	4	1081	1093	10.1016/j.bbe.2022.08.004
27	Rallabandi S.R.; Adapa S.K.; Jagadish; Rao C.J.; Yanda S.	EVALUATION OF THERMO-MECHANICAL BEHAVIOR OF HEMP FIBER POLYMER COMPOSITES	2022	13	3	113	132	10.1615/CompMechComputApplIntJ.2022043103
28	Behera D.K.; Das M.; Swetanisha S.; Nayak J.; Vimal S.; Naik B.	Follower Link Prediction Using the XGBoost Classification Model with Multiple Graph Features	2022	127	1	695	714	10.1007/s11277-021-08399-y
29	Mubeen S.; Kulkarni N.; Tanpoco M.R.; Kumar R.D.; Naidu L.M.; Dhope T.	Linguistic Based Emotion Detection from Live Social Media Data Classification Using Metaheuristic Deep Learning Techniques	2022	14	3	176	186	10.17762/ijcnis.v14i3.5604
30	Rao B.S.; Kumar D.V.; Kumar K.K.	Power quality improvement using Cuckoo search based multilevel facts controller	2022	10	4	252	261	10.36909/jer.10895
31	Ashok Kumar N.; Kumar P.S.; Mohiddin M.K.; Gemeda M.T.; Mishra A.	GPS Receiver Position Estimation and DOP Analysis Using a New Form of the Observation Matrix Approximations	2022	2022				10.1155/2022/6772077
32	Rao C.S.; Rajanikanth J.; Sekhar C.C.; Balaka R.N.	Ultrafast parallel genome extractor[Formula presented]	2022	14				10.1016/j.simpa.2022.100420
33	Anem J.; Sateeshkumar G.; Madhu R.	EEG signal artefact removal using flower pollination fractional calculus optimisation	2022	15	2	245	259	10.1108/IJICC-06-2021-0127
34	Pemmada S.K.; Nayak J.; Behera H.S.; Mohapatra S.	An Ensemble Bootstrap Aggregation for Just-in-Time Defect Prediction on a Code Change Level	2022					10.1109/ODICON54453.2022.10010266
35	Sunil Kumar T.; Venkata Rao K.; Balaji M.; Murthy P.B.G.S.N.; Vijaya Kumar D.	Online monitoring of crack depth in fiber reinforced composite beams using optimization Grey model GM(1,N)	2022	271				10.1016/j.engfracmech.2022.108666
36	Jagadeeswara Rao G.; Siva Prasad A.; Sai Srinivas S.; Sivaparvathi K.; Panda N.	Data Classification by Ensemble Methods in Machine Learning	2022	430		127	135	10.1007/978-981-19-0825-5_13
37	Nayak J.; Naik B.; Dash P.B.; Vimal S.; Kadry S.	Hybrid Bayesian optimization hypertuned catboost approach for malicious access and anomaly detection in IoT nomalyframework	2022	36				10.1016/j.suscom.2022.100805
38	Ding W.; Chakraborty S.; Mali K.; Chatterjee S.; Nayak J.; Das A.K.; Banerjee S.	An Unsupervised Fuzzy Clustering Approach for Early Screening of COVID-19 from Radiological Images	2022	30	8	2902	2914	10.1109/TFUZZ.2021.3097806
39	Terlapu P.V.; Gedela S.B.; Gangu V.K.; Pemula R.	Intelligent diagnosis system of hepatitis C virus: A probabilistic neural network based approach	2022	32	6	2107	2136	10.1002/ima.22746
40	Dalai A.K.; Jena A.K.; Ramana B.V.; Maneesha B.; Panda N.	Supervised machine learning approaches for medical data classification	2022					10.1109/AISP53593.2022.9760688
41	Lingudu P.; Majji N.; Sasala B.; Nelli V.V.; Rao Y.S.; Battula S.	Edge Assisted Architecture for Performing Precision Agriculture	2022					10.1109/TENSYMP54529.2022.9864332
42	Tangudu R.; Kumar P.S.	Thermal Strain Resolution Improvement in Brillouin OTDR Based DTS System Using LWT-MPSO Technique	2022	480 LNNS		479	486	10.1007/978-981-19-3089-8_46
43	Babu G.S.; Rao S.N.T.; Rao R.R.	Automated assessment for Alzheimer's disease diagnosis from MRI images: Meta-heuristic assisted deep learning model	2022	32	2	544	563	10.1002/ima.22650
44	Nayak J.; Naik B.; Dinesh P.; Vakula K.; Dash P.B.; Pelusi D.	Significance of deep learning for Covid-19: state-of-the-art review	2022	38	1	243	266	10.1007/s42600-021-00135-6
45	Rao B.S.; Gupta M.M.; Sheikameer Batcha S.; Katherin Mathew S.; Ram M.S.; Imanbayeva Z.	Deep Learning and Internet of Things (IoT) based Industrial Automation and Human Error Reduction	2022			917	923	10.1109/ICIRCA54612.2022.9985503
46	Rajesh A.; Vani R.; Rama Rao B.	Performance Analysis of Rectangular Microstrip Wearable Textile Antenna with Series of Slots	2022	17	5	365	372	10.12720/jcm.17.5.365-372
47	Kavitha K.; Chittineni S.; Andhavarpu N.K.; Chappa V.	Textual Sentimental Classification using Convolution Neural Network Algorithm	2022			246	249	10.1109/IC3P52835.2022.00059

48	Krishnudu D.M.; Sreeramulu D.; Reddy P.V.	Mathematical modelling for prediction of mechanical properties of abutylon indicum fibre reinforced composite using RSM and ANN	2022	13	2	111	116	10.1504/IJESMS.2022.123337
49	Boddepalli M.K.; Navuri P.K.	Analysis of tilt integral derivative controller-based automatic load frequency control of multi-area multi-source system	2022	15	03-Apr	418	442	10.1504/IJPELEC.2022.122421
50	Nayak J.; Mishra M.; Naik B.; Swapnarekha H.; Cengiz K.; Shanmuganathan V.	An impact study of COVID-19 on six different industries: Automobile, energy and power, agriculture, education, travel and tourism and consumer electronics	2022	39	3			10.1111/exsy.12677
51	Vankayalapati S.; Lakshman P.; Kumar K.T.P.S.; Batch N.V.; Dalali A.; Inti N.D.; Netinti N.R.	Application of Binary Particle Swarm Optimization Algorithm for Thinned Planar Antenna Array Synthesis	2022			1414	1418	10.1109/ICACCS54159.2022.9785097
52	Nayak J.; Swapnarekha H.; Routray A.R.; Nayak S.R.; Behera H.S.	Big Data in Education: Present and Future	2022	281		721	739	10.1007/978-981-16-9447-9_54
53	Naik B.; Nayak J.; Dash P.B.	Higher order ANN parameter optimization using hybrid opposition-elitism based metaheuristic	2022	15	3	2055	2075	10.1007/s12065-021-00610-0
54	Gopala Rao L.V.V.; Sharma R.C.; Satyanarayana V.S.V.; Palli S.	Stochastic optimal preview control response of a quarter-car nonlinear suspension model using spectral decomposition method	2022	53	04-May	225	232	10.1177/09574565221093234
55	Pemmada S.K.; Nayak J.; Behera H.S.; Pelusi D.	Light Gradient Boosting Machine in Software Defect Prediction: Concurrent Feature Selection and Hyper Parameter Tuning	2022	458		427	442	10.1007/978-981-19-2894-9_32
56	Kavitha K.; Chittineni S.	Efficient Sentimental Analysis using Hybrid Deep Transfer Learning Neural Network	2022	70	10	155	165	10.14445/22315381/IJETT-V70i10P216
57	Lakshmana Rao A.; Arun Kumar S.; Suryanarayana K.P.S.	INVENTORY MODEL WITH EXPONENTIAL DETERIORATION AND SHORTAGES FOR SEVERAL LEVELS OF PRODUCTION	2022	17	3	20	30	10.24412/1932-2321-2022-369-20-30
58	Lokanadham D.; Sharma R.C.; Palli S.; Bhardawaj S.	Wear Rate Modelling and Analysis of Limestone Slurry Particulate Composites Using the Fuzzy Method	2022	10	1	133	143	10.17762/ijritcc.v10i1s.5818
59	Pagoti S.K.; Vemuri S.I.D.	Development and performance evaluation of Correntropy Kalman Filter for improved accuracy of GPS position estimation	2022	3		1	8	10.1016/j.ijin.2022.01.002
60	Vuddagiri H.K.; Rallabandi S.R.; Vadapalli S.; Pandi T.	ASSESSMENT OF MECHANICAL AND TRIBOLOGICAL PERFORMANCE OF HYBRID Al/MoS2/Al2O3 COMPOSITE BY GFRA	2022	28	1	79	102	10.30544/764
61	Mutyala S.; Charan P.H.K.; Rajaram R.; Mahesh K.N.	Functionalized carbon nanomaterials in electrochemical detection	2022			73	95	10.1016/B978-0-12-823788-5.00024-7
62	Pemmada S.K.; Behera H.S.; Nayak J.; Naik B.	Correlation-based modified long short-term memory network approach for software defect prediction	2022	13	6	869	887	10.1007/s12530-022-09423-7
63	Prasad K.R.K.V.; Srinivasa Rao V.; Harini P.; Mukiri R.R.; Ravindra K.; Vijaya Kumar D.; Kasirajan R.	Machine Learning Algorithms Are Applied in Nanomaterial Properties for Nanosecurity	2022	2022				10.1155/2022/5450826
64	Rao K.E.; Rao G.A.; Rao P.S.	A Weighted Ada-Boosting Approach for Software Defect Prediction using Characterized Code Features Associated with Software Quality	2022	18	11	798	807	10.23940/ijpe.22.11.p5.798807
65	Ramesh P.; Gouda P.K.; Lakshmikhandan K.; Ramanathan G.; Bharatiraja C.	A three port bidirectional DC-DC converter for PV “ Battery “ DC microgrid application using fuzzy logic control	2022	68		1898	1905	10.1016/j.matpr.2022.08.066
66	Kumar P.S.; Nayak J.; Behera H.S.	Model-based Software Defect Prediction from Software Quality Characterized Code Features by using Stacking Ensemble Learning	2022	15	2	137	155	10.25103/jestr.152.17
67	Neelima G.; Chigurukota D.R.; Maram B.; Girirajan B.	Optimal DeepMRSeg based tumor segmentation with GAN for brain tumor classification	2022	74				10.1016/j.bspsc.2022.103537
68	Rao C.K.; Sahoo S.K.; Yanine F.F.	Forecasting Electric Power Generation in a Photovoltaic Power Systems for Smart Energy Management	2022					10.1109/ICICCS53532.2022.9862396
69	Kumar K.K.; Ramarao G.; Prasad C.; Ramamohan H.	Quantitative Analysis of Groundwater in Kaviti Mandal -A Renal Failure Zone of Srikakulam, A.P., India	2022	42	12	1528	1536	
70	Behara S.; Chandra V.; Prashanth N.R.	Three-dimensional transition in the wake of two tandem rotating cylinders	2022	951				10.1017/jfm.2022.861

71	Patnala S.K.; Rachapudi V.; Devi S.A.; Pappu S.R.; Rao T.S.M.	Hybridization of Modified Cuckoo-Moth Flame Optimization for Effective Route Recovery of Networks	2022	838		517	532	10.1007/978-981-16-8550-7_50
72	Ramesh P.; Kumar Gouda P.; Rameshbabu A.; Ramanathan G.; Bharatiraja C.	An isolated multi-port bidirectional DC-DC converter for EV applications	2022	68		1853	1859	10.1016/j.matpr.2022.08.047
73	Acharya S.; Ghosh D.; Swapnarekha H.; Mishra M.; Nayak S.R.	Integrative data analysis and automated deep learning technique for ovary cancer detection	2022			43	65	10.1016/B978-0-323-85240-1.00007-9
74	Sharma R.C.; Gopala Rao L.V.V.; Sharma S.K.; Palli S.; Satyanarayana V.S.V.	Analysis of Lateral Stability and Ride of an Indian Railway Constrained Dual-Axle Bogie Frame	2022	16	2			10.4271/02-16-02-0014
75	Rajendra P.; Girisha A.; Gunavardhana Naidu T.	Advancement of machine learning in materials science	2022	62		5503	5507	10.1016/j.matpr.2022.04.238
76	Prabu A.V.; Kumar G.S.; Rajasoundaran S.; Malla P.P.; Routray S.; Mukherjee A.	Internet of things-based deeply proficient monitoring and protection system for crop field	2022	39	5			10.1111/exsy.12876
77	Das S.; Nayak J.; Nayak S.; Dey S.	Prediction of Life Insurance Premium during Pre-and Post-Covid-19: A Higher-Order Neural Network Approach	2022	103	5	1747	1773	10.1007/s40031-022-00771-1
78	Srinivasa Rao Y.; Madhu R.	Channel Estimation for Millimeter Wave Massive MIMO System: Proposed Hybrid Optimization with Heuristic-Enabled Precoding and Combining	2022	65	5	1211	1224	10.1093/comjnl/bxaa170
79	Venkatesh M.; Ayyarao T.S.L.V.; Rao B.S.; Raghutu R.; Nuvvula R.S.S.	A Robust Wide Area Control of DFIG Wind Energy System for Damping Inter-area Oscillations	2022			28	32	10.1109/ICRERA55966.2022.9922717
80	Terlapu P.V.; Yugandhar M.; Ramesh B.; Kumar B.V.; Pemula R.	Student Cognitive Learning Capability (SCLC) Prediction System using PCA-ANN based Model	2022			11	18	10.1109/IC3P52835.2022.00013
81	Suresh Kumar P.; Behera H.S.; Nayak J.; Naik B.	A pragmatic ensemble learning approach for effective software effort estimation	2022	18	2	283	299	10.1007/s11334-020-00379-y
82	R S.R.; Jagadish; Rao C.J.; Kumar Aadapa S.; Yanda S.	Predication of temperature distribution and strain during FSW of dissimilar Aluminum alloys using Deform 3D	2022	59		1760	1767	10.1016/j.matpr.2022.04.371
83	Patel S.; Mohanty B.; Simhadri K.	Fuzzy-Pida Optimized with COR Technique in Thermal Interconnected AGC System	2022					10.1109/iSSSC56467.2022.10051379
84	Seshavatharam U.V.S.; Naidu T.G.; Lakshminarayana S.	To Confirm the Existence of Heavy Weak Fermion of Rest Energy 585 GeV	2022	2451				10.1063/5.0095313
85	Palli S.; Duppala A.; Sharma R.C.; Rao L.V.V.G.	Dynamic Simulation of Automotive Vehicle Suspension Using MATLAB Simulink	2022	14	3	310	314	10.4273/ijvss.14.3.04
86	Raju S.; Srinivas L.; Gunji S.R.; Srinag T.; Sekhar M.C.; Pandi T.	Estimation of Effect of Cold Forging Deformational Behavior on Al-2024 Alloy Reinforced with Fly-Ash Particulates	2022	120		3	14	10.4028/p-609250
87	Ramanathan G.; kumar Gouda P.; Bharatiraja C.; Saketh Srikar R.; Surya Tej D.	Design of single-inductor double-input double-output DC-DC converter for electric vehicle charger	2022	68		1810	1816	10.1016/j.matpr.2022.07.328
88	Suresh Kumar P.; Pedada R.; Nayak J.; Behera H.S.; Sai Pratyusha G.M.; Velugula V.	QCM Sensor-Based Alcohol Classification Using Ensembled Stacking Model	2022	281		651	666	10.1007/978-981-16-9447-9_49
89	Sravani G.M.; Murali N.; Chandra Sekhar B.; Dhanalakshmi B.; Parajuli D.; Gunavardhana Naidu T.; Verma R.; Kumar R.; Krishan B.; Samatha K.	Structural and electrical properties of Ca doped BiFeO3 multiferroic nanomaterials prepared by sol-gel auto-combustion method	2022	99	6			10.1016/j.jics.2022.100465
90	Ramya P.; Ramesh C.; Rao O.S.	Weather Foreseeing using several methodologies of Machine Learning	2022			273	278	10.1109/IC3P52835.2022.00065
91	Rao N.A.; Konkyana L.B.; Raju V.L.; Naidu M.S.R.; Babu C.R.	A Broadband Meta surface Based MIMO Antenna with High Gain and Isolation For 5G Millimeter Wave Applications	2022	14	1s	54	66	10.17762/IJCNIS.V14I1S.5592
92	Reddy D.K.K.; Swapnarekha H.; Behera H.S.; Vimal S.; Das A.K.; Pelusi D.	Issues and future challenges in cancer prognosis: (Prostate cancer: A case study)	2022			337	358	10.1016/B978-0-323-85240-1.00001-8
93	Patro K.K.; Prakash A.J.; Samantray S.; PÅ,awiak J.; Tadeusiewicz R.; PÅ,awiak P.	A HYBRID APPROACH OF A DEEP LEARNING TECHNIQUE FOR REAL-TIME ECG BEAT DETECTION	2022	32	3	455	465	10.34768/amcs-2022-0033
94	Rao K.V.; Ramesh C.	Modeling of tool vibration and its effect on roundness and surface roughness of hole in helical milling of Inconel 718	2022	28	01-Feb	159	168	10.1177/1077546320974236

95	Panigrahi R.R.; Mishra M.; Nayak J.; Shanmuganathan V.; Naik B.; Jung Y.-A.	A power quality detection and classification algorithm based on FDST and hyper-parameter tuned light-GBM using memetic firefly algorithm	2022	187				10.1016/j.measurement.2021.110260
96	Avinash M.; Rao S.; Raminaidu S.; Ramamohan H.	Development and Sensitivity Analysis of Groundwater using Water Quality Index - A Case Study	2022	42	1	80	87	
97	Patil S.B.; Jagadish; Vaidya S.; Adapa S.K.	Evaluation of Machining Properties of Short Bamboo Fiber-Based Green Composites Using CNC Drilling Process	2022			123	132	10.1007/978-981-16-2278-6_11
98	Reddy D.K.K.; Behera H.S.; Nayak J.; Routray A.R.; Kumar P.S.; Ghosh U.	A Fog-Based Intelligent Secured IoMT Framework for Early Diabetes Prediction	2022			199	218	10.1007/978-3-030-81473-1_10
99	Karri C.; Ramesh Babu G.; Prasad P.M.K.; Naidu M.S.R.	Novel 2-D Histogram-Based Soft Thresholding for Brain Tumor Detection and Image Compression	2022	13	1			10.4018/IJAMC.292497
100	Das S.; Nayak J.; Naik B.	Impact of COVID-19 on Indian Education System: Practice and Applications of Intelligent Technologies	2022			265	283	10.1007/978-981-19-0357-1_23
101	Battula T.K.; Eppili J.	Visual features and Deep Maxout Network-based moving target detection using radar signals under sea clutter	2022	37	1	424	449	10.1002/int.22632
102	Nayak J.; Naik B.; Abraham A.	Preface	2022	963		v	xii	
103	Terlapu P.; Sadi R.P.; Pondreti R.; Tippana C.	Intelligent Identification of Liver Diseases Based on Incremental Hidden Layer Neurons ANN Model	2022	11	1	1027	1050	10.12785/ijcds/110183
104	Vijayakumar A.; Varadarajan S.; Chitti Babu V.	Quantification of Traffic Congestion Based on Vehicular Speed Under Heterogeneous Flow Conditions Using Fuzzy Inference Model	2022	162		351	362	10.1007/978-981-16-2826-9_23
105	Stewart Kirubakaran S.; Chigurukota D.; Thirukrishna J.T.; Daniya T.	Enhancing Accuracy Performance in Novel Drug Delivery System for Composite Microbeads Using Hadoop Ecosystem Over Conventional Drug Delivery Systems	2022	385		315	320	10.1007/978-981-16-8987-1_33
106	Pagoti S.K.; Vemuri B.S.S.I.D.; Mohiddin M.K.	Enhanced Kalman Filter Navigation Algorithm Based on Correntropy and Fixed-Point Update	2022	12	2	110	129	10.46604/IJETI.2022.8072
107	Mishra M.; Sharma R.; Rathore A.K.; Nayak J.; Naik B.	Preface	2022	814		xiii	xiv	
108	Kavitha K.; Chittieni S.	An Intelligent Metaheuristic Optimization with Deep Convolutional Recurrent Neural Network Enabled Sarcasm Detection and Classification Model	2022	13	2	304	314	10.14569/IJACSA.2022.0130236
109	Pagoti S.K.; Vemuri S.I.D.; Laveti G.	GPS Receiver Position Augmentation Using Correntropy Kalman Filter in Low Latitude Terrain	2022	19	1	72	80	10.34028/iajit/19/1/9
110	Pandu Ranga Rao K.; Chitti Babu V.; Kumar V.R.; Veeraiah N.	Characterization and coloration efficiency studies using cyclicvoltammetry and chronocoulometric methods on TiO2 doped WO3 nanocrystalline thin films	2022	249				10.1016/j.ijleo.2021.168282
111	Das S.; Nayak J.; Mishra M.; Naik B.	Solar Photo Voltaic Renewal Energy: Analyzing the Effectiveness of Marketing Mix Strategies	2022	814		527	540	10.1007/978-981-16-7076-3_45
112	Rao K.C.; Rao P.M.; Naidu M.L.; Adiarayana V.	A Compact Rectangular Dual Patch Antenna for Multiple Satellite Communication Applications	2022	122	2	1007	1041	10.1007/s11277-021-08937-8
113	Acharyulu B.V.S.; Simhadri K.; Seshasai B.; Mohanty B.	Moth Flame Optimized Automatic Generation Control with PIDF Controller for the Integration of Plug-In Electrical Vehicles with Interconnected Power System	2022	814		233	242	10.1007/978-981-16-7076-3_21
114	Panigrahi S.; Bhuyan R.; Kumar K.; Nayak J.; Swarnkar T.	Multistage classification of oral histopathological images using improved residual network	2022	19	2	1909		10.3934/mbe.2022090
115	Mohana Krishnudu D.; Sreeramulu D.; Reddy P.V.; Rajendra Prasad P.	Influence of Filler on Mechanical and Di-electric Properties of Coir and Luffa Cylindrica Fiber Reinforced Epoxy Hybrid Composites	2022	19	1	339	348	10.1080/15440478.2020.1745115

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1	Mallick C.; Das A.K.; Ding W.; Nayak J.	Ensemble summarization of bio-medical articles integrating clustering and multi-objective evolutionary algorithms	2021	106				10.1016/j.asoc.2021.107347
2	Panda N.; Majhi S.K.	Effectiveness of Swarm-Based Metaheuristic Algorithm in Data Classification Using Pi-Sigma Higher Order Neural Network	2021	1199		77	88	10.1007/978-981-15-6353-9_8
3	Rajasoundaran S.; Prabu A.V.; Kumar G.S.; Malla P.P.; Routray S.	Secure Opportunistic Watchdog Production in Wireless Sensor Networks: A Review	2021	120	2	1895	1919	10.1007/s11277-021-08542-9
4	Kiran Kumar K.; Srinivasa Rao B.	Modeling and Designing of Plug-in Electric Vehicle Under V2G Compatability	2021			391	400	10.1007/978-981-15-9853-1_33
5	Prakash K.B.; Nayak J.; Madhav B.T.P.; Padmanaban S.; Balas V.E.	Big data analytics and intelligent techniques for smart cities	2021			1	272	
6	Marrapu B.M.; Kukunuri A.; Jakka R.S.	Improvement in Prediction of Slope Stability & Relative Importance Factors Using ANN	2021	39	8	5879	5894	10.1007/s10706-021-01872-2
7	Sirish Kumar P.; Srilatha Indira Dutt V.B.S.	A mutual extension to kalman filter for interpretation of the GPS ambiguities	2021	24	1	73	75	10.6180/jase.202102_24(1).0009
8	Mallick C.; Das A.K.; Nayak J.; Pelusi D.; Vimal S.	Evolutionary Algorithm based Ensemble Extractive Summarization for Developing Smart Medical System	2021	13	2	229	259	10.1007/s12539-020-00412-5
9	Prakash K.B.; Nayak J.; Madhav B.T.P.; Padmanaban S.; Balas V.E.	Preface	2021			ix	xiii	
10	Srinivasa Rao B.; Sreenivasan G.	A Fuzzy-Based STATCOM Controller for Grid Interconnection of Fuel System to Improve Power Quality	2021	702		1	12	10.1007/978-981-15-8439-8_1
11	Ananth D.V.N.; Sureshkumar L.V.; Boddepalli M.	Modelling and Design of Static Compensator and UPFC Based FACTS Devices for Power System Oscillations Damping and Voltage Compensation	2021	702		357	371	10.1007/978-981-15-8439-8_29
12	Ramarao G.; Jayaram N.; Ram Mohan Naidu P.; Vamsi A.; Krishna Prasad M.; Jagadeesh D.	Implementation of Particle Swarm Optimization to Evaluate Single-Stage Impulse Generator Circuit Parameters	2021	702		537	543	10.1007/978-981-15-8439-8_44
13	Sinha V.K.; Patro K.K.; PÅ,awiak P.; Prakash A.J.	Smartphone-based human sitting behaviors recognition using inertial sensor	2021	21	19			10.3390/s21196652
14	Ding W.; Nayak J.; Naik B.; Pelusi D.; Mishra M.	Fuzzy and Real-Coded Chemical Reaction Optimization for Intrusion Detection in Industrial Big Data Environment	2021	17	6	4298	4307	10.1109/TII.2020.3007419
15	Sirish Kumar P.; Ramesh C.; Srinivasa Rao Y.	A Comparative Hypothesis on Static and Kinematic Positioning Algorithms for CAT-I Aircraft Landings	2021					10.1109/CAPS52117.2021.9730696
16	Nayak J.; Vakula K.; Dinesh P.; Naik B.; Mohapatra S.; Swarnkar T.; Mishra M.	Intelligent Computing in IoT-Enabled Smart Cities: A Systematic Review	2021	151		1	21	10.1007/978-981-15-8218-9_1
17	Malik P.K.; Sharma R.; Singh R.; Gehlot A.; Satapathy S.C.; Alnumay W.S.; Pelusi D.; Ghosh U.; Nayak J.	Industrial Internet of Things and its Applications in Industry 4.0: State of The Art	2021	166		125	139	10.1016/j.comcom.2020.11.016
18	Sharma R.C.; Palli S.; Avesh M.; Sharma N.	Vibration isolation of railway vehicle car body using semi-active suspension	2021	13	4	482	487	10.4273/ijvss.13.4.17
19	Kumar P.S.; Anisha Kumari K.; Mohapatra S.; Naik B.; Nayak J.; Mishra M.	CatBoost ensemble approach for diabetes risk prediction at early stages	2021					10.1109/ODICON50556.2021.9428943
20	Rao C.J.; Siva Sankara Raju R.; Sreeramulu D.; Sagar Y.	Fabrication and Evaluation of Optimized Parametric Condition During EDM Machining of Al-CSA Composite Using Taguchi Orthogonal Array	2021			411	420	10.1007/978-981-33-6428-8_33

21	Das P.; Das A.K.; Nayak J.; Pelusi D.; Ding W.	Group incremental adaptive clustering based on neural network and rough set theory for crime report categorization	2021	459		465	480	10.1016/j.neucom.2019.10.109
22	Vital T.P.	Empirical study on Uddanam chronic kidney diseases (UCKD) with statistical and machine learning analysis including probabilistic neural networks	2021			283	314	10.1016/B978-0-12-822260-7.00013-3
23	Rajendra P.; Ravi. P. V. N. H.; Naidu T. G.	Optimization methods for deep neural networks	2021	2375				10.1063/5.0066319
24	Mohapatra S.; Nayak J.; Mishra M.; Pati G.K.; Naik B.; Swarnkar T.	Wavelet Transform and Deep Convolutional Neural Network-Based Smart Healthcare System for Gastrointestinal Disease Detection	2021	13	2	212	228	10.1007/s12539-021-00417-8
25	Nayak J.; Suresh Kumar P.; Reddy D.K.K.; Naik B.; Pelusi D.	Machine Learning and Big Data in Cyber-Physical System: Methods, Applications and Challenges	2021			49	91	10.1002/9781119711308.ch2
26	Nayak J.; Naik B.; Dash P.B.; Souri A.; Shanmuganathan V.	Hyper-parameter tuned light gradient boosting machine using memetic firefly algorithm for hand gesture recognition	2021	107				10.1016/j.asoc.2021.107478
27	Apparao D.; Jagannadha Raju M.V.	Design and analysis of spur gear manufactured by DMLS process	2021	46		149	153	10.1016/j.matpr.2020.07.078
28	Chandra Sekhar G.T.; Nayak J.; Pelusi D.; Behera H.S.; Naik B.	Preface	2021	702		xi	xii	
29	Rao Y.S.; Madhu R.	Hybrid optimization algorithm to estimate azimuth angle for millimeter wave massive MIMO system	2021	24	2	315	327	10.1007/s10772-021-09798-z
30	Vital T.P.; Sangeeta K.; Kumar K.K.	Student classification based on cognitive abilities and predicting learning performances using machine learning models	2021	10	1	63	75	10.12785/ijcds/100107
31	Sharma R.; Mishra M.; Nayak J.; Naik B.; Pelusi D.	Preface	2021	151		xi	xii	
32	Panda N.; Majhi S.K.	Oppositional salp swarm algorithm with mutation operator for global optimization and application in training higher order neural networks	2021	80	28-29	35415	35439	10.1007/s11042-020-10304-x
33	Palli S.; Dontikurti R.; Sharma R.C.; Sharma N.	Analysis of dynamic response of a railway locomotive using ansys	2021	13	2	250	255	10.4273/ijvss.13.2.21
34	Acharya S.; Ganesan S.; Kumar D.V.; Subramanian S.	A multi-objective multi-verse optimization algorithm for dynamic load dispatch problems	2021	231				10.1016/j.knosys.2021.107411
35	Oram E.; Dash P.B.; Naik B.; Nayak J.; Vimal S.; Nataraj S.K.	Light gradient boosting machine-based phishing webpage detection model using phisher website features of mimic URLs	2021	152		100	106	10.1016/j.patrec.2021.09.018
36	Mishra D.; Naik B.; Dash P.B.; Nayak J.	SEM: Stacking Ensemble Meta-Learning for IOT Security Framework	2021	46	4	3531	3548	10.1007/s13369-020-05187-x
37	Bhanu Mahesh D.; Satyanarayana Murty G.; Rajya Lakshmi D.	Optimized Local Weber and Gradient Pattern-based medical image retrieval and optimized Convolutional Neural Network-based classification	2021	70				10.1016/j.bspc.2021.102971
38	Adapa S.K.; Sreeramulu D.; Jagadish	Classification and automatic feature-based extraction approach for cylindrical and milling parts	2021	11	3	55	73	10.4018/IJMMME.2021070104
39	Raju R.S.S.; Siva B.V.	Fabrication and tribological studies of Al-CSA composite using RSM	2021	12	2	83	102	10.1504/IJMATEI.2021.115596
40	Seetharam P.; Balakrishna M.; Ramanaiah M.; Sailaja B.B.V.	Potentiometric studies on bioactive material species of ternary complexes in SLS-Water mixtures	2021	42		3046	3053	10.1016/j.matpr.2020.12.827
41	Vital T.P.R.; Nayak J.; Naik B.; Jayaram D.	Probabilistic Neural Network-based Model for Identification of Parkinson's Disease by using Voice Profile and Personal Data	2021	46	4	3383	3407	10.1007/s13369-020-05080-7
42	Navuri P.K.; Boddepalli M.K.	Implementation of Firefly Algorithm Employed PID Controller for an Interconnected Power System	2021	702		397	404	10.1007/978-981-15-8439-8_32
43	Nayak J.; Naik B.; Dinesh P.; Vakula K.; Rao B.K.; Ding W.; Pelusi D.	Intelligent system for COVID-19 prognosis: a state-of-the-art survey	2021	51	5	2908	2938	10.1007/s10489-020-02102-7

44	Reddy D.K.K.; Behera H.S.; Nayak J.; Naik B.; Ghosh U.; Sharma P.K.	Exact greedy algorithm based split finding approach for intrusion detection in fog-enabled IoT environment	2021	60				10.1016/j.jisa.2021.102866
45	Ramachandra Murthy K.V.S.; Vijay Kumar D.; Kambhampati L.; Srinivas R.	Load Flow Solution of Distribution Systems - A Bibliometric Survey	2021	2021		1	34	
46	Rao N.T.; Sankar M.M.; Rao S.P.; Rao B.S.	Comparative study of Pareto optimal multi objective cuckoo search algorithm and multi objective particle swarm optimization for power loss minimization incorporating UPFC	2021	12	1	1069	1080	10.1007/s12652-020-02142-4
47	Neeraja R.; Bindu G.H.; Ramanaiah M.; Kumar Y.V.	Study on complex equilibria between divalent transition metals (Co, ni and cu) and l-methionine in a medium of sls-water mixture	2021	14	2	1126	1132	10.31788/RJC.2021.1426187
48	Ayyarao T.S.L.V.; Sureshkumar L.V.; Vijaya Kumar D.	Support Vector Machine-Based Dynamic Cyber-Attack Detection in AGC System	2021	702		343	355	10.1007/978-981-15-8439-8_28
49	Sirish Kumar P.; Srilatha Indira Dutt V.B.S.	Interpretation of Statistical Errors for Precise GPS Receiver Positioning Using Recursive Least Squares and Extended Kalman Filter Approaches	2021	134		415	423	10.1007/978-981-15-5397-4_42
50	Suresh Kumar P.; Behera H.S.; Nayak J.; Naik B.	Bootstrap aggregation ensemble learning-based reliable approach for software defect prediction by using characterized code feature	2021	17	4	355	379	10.1007/s11334-021-00399-2
51	Li J.; Bendi R.; Malla R.; shah K.J.; Parida K.; You Z.	Cellulose nanofibers-based green nanocomposites for water environmental sustainability: a review	2021	4	5	1259	1273	10.1007/s42247-021-00300-8
52	Chandra Sekhar C.; Panda N.; Ramana B.V.; Maneesha B.; Vandana S.	Effectiveness of Backpropagation Algorithm in Healthcare Data Classification	2021	151		289	298	10.1007/978-981-15-8218-9_25
53	Nayak J.; Naik B.; Pelusi D.; Kumar Das A.	Handbook of Computational Intelligence in Biomedical Engineering and Healthcare	2021			1	380	10.1016/B978-0-12-822260-7.01001-3
54	Rao Y.S.; Madhu R.	Hybrid Dragonfly with Electric Fish Optimization-Based Multi User Massive MIMO System: Optimization Model for Computation and Communication Power	2021	120	4	2519	2543	10.1007/s11277-021-08544-7
55	Praveen A.D.; Vital T.P.R.; Jayaram D.; Satyanarayana L.V.	Intelligent Liver Disease Prediction (ILDLP) System Using Machine Learning Models	2021	702		609	625	10.1007/978-981-15-8439-8_50
56	Nayak J.; Kumar P.S.; Reddy D.K.K.; Naik B.	Identification and classification of hepatitis C virus: An advance machine-learning-based approac	2021			393	415	
57	Reddy D.K.; Behera H.S.; Nayak J.; Vijayakumar P.; Naik B.; Singh P.K.	Deep neural network based anomaly detection in Internet of Things network traffic tracking for the applications of future smart cities	2021	32	7			10.1002/ett.4121
58	Garg M.; Gupta S.; Nayak S.R.; Nayak J.; Pelusi D.	Modified pixel level snake using bottom hat transformation for evolution of retinal vasculature map	2021	18	5	5737	5757	10.3934/mbe.2021290
59	Nayak J.; Favorskaya M.N.; Jain S.; Naik B.; Mishra M.	Preface	2021	204		vii	xiii	
60	Krishna M.M.; Panda N.; Majhi S.K.	Solving traveling salesman problem using hybridization of rider optimization and spotted hyena optimization algorithm	2021	183				10.1016/j.eswa.2021.115353
61	Rao K.E.; Rao G.A.	Ensemble learning with recursive feature elimination integrated software effort estimation: a novel approach	2021	14	1	151	162	10.1007/s12065-020-00360-5
62	Ramarao G.; Prasad C.; Upendhra C.; Prasanthi S.; Manikanta G.	Analysis of a Transient Lightning Current Flowing Through the Horizontal Grounding Conductor	2021	702		491	502	10.1007/978-981-15-8439-8_40
63	Nayak J.; Naik B.; Dash P.B.; Pelusi D.	Optimal fuzzy cluster partitioning by crow search meta-heuristic for biomedical data analysis	2021	12	2	49	66	10.4018/IJAMC.2021040104

64	Rath B.B.; Panda M.K.; Jha B.; Rawat S.	Particle Swarm Optimization Based Intelligent Controller for Maximum Power Point Tracking of a Standalone Solar Photovoltaic Power System	2021	702		545	557	10.1007/978-981-15-8439-8_45
65	Srikanth B.; Sankar M.M.	Implementation of Anti-windup Techniques for the Improvement of PID Performance	2021	702		585	593	10.1007/978-981-15-8439-8_48
66	Rayaguru N.K.; Gouda P.K.; Deshpande R.; Dhal P.K.	Sliding Mode Based Modified Reference Voltage Control Aided Maximum Power Point Tracking for Photovoltaic Fed Brushless DC Motor System	2021	702		627	646	10.1007/978-981-15-8439-8_51
67	Sudhakar Ch.; Allabakshu S.; Ramanaiah M.; Nageswara Rao Ch.	Effect of solvent on protonation equilibria of L-serine and L-tryptophan in ethylene glycol-water mixtures	2021	25	7	124	129	10.25303/257rjce12421
68	Rekha H.S.; Behera H.S.; Nayak J.; Naik B.	Deep Learning for COVID-19 Prognosis: A Systematic Review	2021	702		667	687	10.1007/978-981-15-8439-8_53
69	Patro K.K.; Jaya Manmadha Rao M.; Jadav A.; Rajesh Kumar P.	Noise Removal in Long-Term ECG Signals Using EMD-Based Threshold Method	2021	63		461	469	10.1007/978-981-16-0081-4_48
70	Rajendra P.; Pusuluri V.N.; Gunavardhana Naidu T.	The performance of various optimizers in machine learning	2021	69	7	64	68	10.14445/22315381/IJETT-V69I7P209
71	Das P.; Das A.K.; Nayak J.; Pelusi D.; Ding W.	Incremental classifier in crime prediction using bi-objective Particle Swarm Optimization	2021	562		279	303	10.1016/j.ins.2021.02.002
72	Swapnarekha H.; Behera H.S.; Nayak J.; Naik B.	Covid CT-net: A deep learning framework for COVID-19 prognosis using CT images	2021	24	2	327	352	10.1080/09720502.2020.1857905
73	Simhadri K.; Acharyulu B.V.S.; Mohanty B.; Goutham K.S.	WOA Optimized 2DOF TIDF Controller for Automatic Generation Control of Hydro-Thermal System	2021	702		519	527	10.1007/978-981-15-8439-8_42
74	Battula S.; Kumar M.; Panda S.K.; Pavan K.; Rao U.	In-situ Microplastic Detection Sensor based on Cascaded Microring Resonators	2021	-September				10.23919/OCEANS44145.2021.9705800
75	Ding W.; Nayak J.; Swapnarekha H.; Abraham A.; Naik B.; Pelusi D.	Fusion of intelligent learning for COVID-19: A state-of-the-art review and analysis on real medical data	2021	457		40	66	10.1016/j.neucom.2021.06.024
76	Battula S.; Kumar M.N.V.S.S.; Panda S.; Pavan K.	Detection of dark matter in space by precise optical clock transition measurements using co-propagating solitons in photonic molecule	2021					
77	Konkyana L.B.; Alapati S.	Kuznets curve with parabola-shaped ultra-wideband antenna with defected ground plane for communications	2021	17	3	349	359	10.1108/IJPCC-02-2021-0056
78	Swapnarekha H.; Behera H.S.; Roy D.; Das S.; Nayak J.	Competitive Deep Learning Methods for COVID-19 Detection using X-ray Images	2021	102	6	1177	1190	10.1007/s40031-021-00589-3
79	Vuddagiri H.K.; Vadapalli S.; Sagari J.; Raju R.S.	Fabrication and Modelling of Tribological Performance of Al-Si/12Al2O3/2MoS2 Composite using Taguchi Technique	2021	18	3	8959	8977	10.15282/ijame.18.3.2021.09.0686
80	NageswaraRao G.; Venkateswarlu B.; JagadeeswaraRao G.	Breaking Down and Reduplication of Information in Cloud for Best Overall Performance and Protection	2021	702		147	158	10.1007/978-981-15-8439-8_13
81	Nayak J.; Naik B.; Pelusi D.; Kumar Das A.	Preface	2021			xiii	xvi	10.1016/B978-0-12-822260-7.05001-9
82	Kishore P.; Kumari U.Ch.; Kumar M.N.V.S.S.; Pavani T.	Detection and analysis of Alzheimer's disease using various machine learning algorithms	2021	45		1502	1508	10.1016/j.matpr.2020.07.645
83	Patta G.R.; Babu V.C.; Kumar V.R.; Veeraiah N.	Study on the influence of gelation promoter on the structural and magnetic properties of cobalt ferrite nanoparticles developed through sol-gel method	2021	100	2	310	325	10.1007/s10971-021-05647-2
84	Mohan G.S.S.S.V.K.; Srinivasa Rao Y.	An efficient design of fractional order differentiator using hybrid Shuffled frog leaping algorithm for handling noisy electrocardiograms	2021	43	5	494	500	10.1080/1206212X.2019.1573948
85	Palla N.B.; Rao B.K.; Raju K.G.; Vinaya Babu A.	Privacy by Design Approach for Vehicular Tripdata Using k-Anonymity Perturbation	2021	63		113	122	10.1007/978-981-16-0081-4_12

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87	Sai Srinath B.L.N.; Venkata Ramesh K.; Patnaikuni C.K.; Soujanya Vani V.; Potharaju M.	Effect of Curing Methods on Fly Ash based Concrete	2021	822	1			10.1088/1755-1315/822/1/012023
88	Neeraja R.; Himabindu G.; Ramanaiah M.	A pH metric investigation on mixed-ligand complexes of transition metal ions with selective bio-ligands in surfactant - Aqua mixture	2021	25	3	21	30	
89	Chitambara Rao K.; Mallikarjuna Rao P.; Sadasiva Rao B.; Santosh P.	Design, Simulation and Experimental Validation of Patch Antenna in S-Band Satellite Communication	2021	655		477	489	10.1007/978-981-15-3828-5_50
90	Das A.; Nayak J.; Naik B.; Ghosh U.	Generation of overlapping clusters constructing suitable graph for crime report analysis	2021	118		339	357	10.1016/j.future.2021.01.027
91	Swapnarekha H.; Behera H.S.; Nayak J.; Naik B.; Kumar P.S.	Multiplicative Holt's Winter Model for Trend Analysis and Forecasting of COVID-19 Spread in India	2021	2	5			10.1007/s42979-021-00808-0
92	Rao B.K.; Kumar P.S.; Reddy D.K.K.; Nayak J.; Naik B.	QCM Sensor-Based Alcohol Classification by Advance Machine Learning Approach	2021	702		305	320	10.1007/978-981-15-8439-8_25
93	Bhattacharyya S.; Nayak J.; Prakash K.B.; Naik B.; Abraham A.	Preface	2021	312 AISC		vii		
94	Nayak J.; Naik B.; Das A.K.; Pelusi D.	Nature inspired optimization and its application to engineering	2021	14	1			10.1007/s12065-021-00586-x
95	Acharya S.; Sivarajan G.; Kumar D.V.; Srikrishna S.	A hybridized approach for design and optimization of combined economic emission dispatch	2021	16	10	903	928	10.1080/15567249.2021.1971800