Publications

Name : **Dr. S.VIJAYACHITRA**

Designation : **Professor and Head**

Department: Electronics and Instrumentation Engineering

Name of the Organization: Kongu Engineering College

Place: Perundurai

Pin code: 638060

Mobile No.: 9865780707

Email: dr.svijayachitra@gmail.com, svijayachitra@kongu.ac.in

Area of Specialization: Process Control and Instrumentation, Soft Computing and Optimization

Publications:

a). Journals

Sl.No	Title	Name of the Journal	Page No.
1	Fuzzy System Modeling and its applications- Qualitative and Quantitative Approaches	International Transactions on Computer Science and Engineering	Vol. 46, No.1, pp.31-44, 2008 ISSN : 1738-6438
2	Innovative Migrants' Operators for Improved Genetic Optimization of Fuzzy Logic Controller	International Journal of Soft Computing	Vol.3, No.6, pp. 461-466, 2008. Doi=ijscomp.2008.461.466
3	Multiple Inputs-Single Output (MISO) Process Optimization using GA based Fuzzy Clustering	International Transactions on Computer Science and Engineering	Vol. 48 No.1, 2008 pp.47-60.
4	Improved Genetic Optimization using Innovative Migrants' Operators	International Transactions on Computer Science and Engineering	Vol. 48 No.1, 2008. pp.153-163.
5	On-line data acquisition using VI and sensorless speed estimation of Three phase Induction motor- A Neuro-Fuzzy Approach	International Journal on Signals, System and Engineering Application	Vol. 3 No.1,2008 Pp.195-202.
6	Application of Rule-Based Mamdani Type Fuzzy Modeling to Quantitative Damage Analysis of Indian Earthquakes'	ICFAI Journal of Earth Sciences	Vol. 2, No. 4, pp. 55-61, 2008
7	Multiple Input Multiple Output Process Optimization using Fuzzy GA Clustering	International Journal on Recent Trends in Engineering (IJRTE)	Vol 2, No. 2, pp.16-18 November 2009
8	Process optimization using ant colony clustering technique	International Journal of Advanced Engineering Research and Studies	Vol. I/ Issue- II /January-2012 pp.82-85

9	Detection of exudates on diabetic retinopathy Images based on morphological operation and Connected component analysis	International Journal of Advanced Engineering Research and Studies	Vol. I/ Issue- II /January-2012 pp-86-88
10	Analysis of diabetic retinopathy images using Blood vessel extraction	International Journal of Advanced Engineering Research and Studies	Vol. I/ Issue- II /January-2012 pp.89-91
11	A Hybrid Fuzzy Technique for Non Linear Control ISSN 0974 – 9543	CiiT International Journal of Artificial Intelligent Systems and Machine Learning	Vol-1,May 2012
12	Computerised Retinal Image Analysis to Detect and Quantify Exudates Associated with Diabetic Retinopathy	International Journal of Computer Applications I.F: 3.12	Vol. 54, No.2, pp-7-12 September 2012
13	Detection of Exudates in Retinal Images Using Fuzzy Techniques	Research Journal of Applied Sciences, Engineering and Technology H-Index-17	Vol.4, No.24, pp-5320-5324, December-2012 A-II(137354) I.F: 0.22
14	Extended Kalman Filter Based State Estimation of Stepper Motor ISSN 2319–6378	International Journal of Emerging Science and Engineering(IJESE) I.F: 1.201	Vol.1, No.2, pp-1-5, December 2012
15	Extended Kalman Filter Based Fuzzy Optimization	International Journal of Engineering and Innovative Technology (IJEIT) I.F: 0.765	Vol. 2, No. 6, pp-129-133, December- 2012 ISSN:2277-3574
16	Fuzzy Optimization using Extended Kalman Filter	International Journal of Engineering Science and Technology(IJEST)	Vol. 5 No.01 pp-1-7, January 2013
17	Investigation of Water Management Dynamics on the Performance of a Ballard-Mark-V Proton Exchange Membrane Fuel Cell Stack System	International Journal of Electrochemical Science I.F: 1.956	Vol.8, June-2013 pp. 7885 – 7904 (A-I-3849)
18	Spike Detection from EEG signals with aid of Morphological Filters and hybrid GAPSO	International Review on Computers and Software (IRECOS) I.F: 6.45 H-Index: 9	Vol. 8 N. 9 September 2013 pp-2150-2159 ISSN 1828-6003
19	Spike Detection from EEG signals with aid of Morphological Filters and Particle Swarm Optimization (PSO)	International Journal of Emerging Technology and Advanced Engineering I.F: 2.324	Vol. 3, Issue 10, October 2013 pp-451-457
20	Spike Detection from EEG signals with aid of Morphological Filters and Genetic Algorithm	International Journal of Advanced Information Science and Technology I.F: 3.564	V ol.18, Issue 18, October 2013 pp-8-14

21	Extended Kalman Filter based State Estimation of Wind Turbine	International Journal of Engineering Trends and Technology **I.F: 0.569**	Vol.5 No.4 Nov-2013 pp-183-187
22	Modelling and Real Time Control of Two Conical Tank Systems of Non-Interacting and Interacting Type	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering **I.F: 1.1686**	Vol.2, Issue-11, Nov-2013 pp-5728-5733
23	Automatic Detection of Microaneurysms and Classification of Diabetic Retinopathy Images using SVM Technique	International Journal of Computer Applications – IJCA Proceedings on International Conference on Innovations in Intelligent Instrumentation, Optimization and Electrical Sciences (ICIIIOES) **I.F: 0.715**	Vol.1, No.11 December 2013. pp-18-22
24	Quantitative Analysis of Tapioca Starch using FT-IR Spectroscopy and Partial Least Squares	International Journal of Computer Applications – IJCA Proceedings on International Conference on Innovations in Intelligent Instrumentation, Optimizn. And Electrical Sciences (ICIIIOES) **I.F: 0.715**	Vol.1, No.1 December 2013. pp-29-33
25	Spike Detection from EEG signals with aid of Morphological Filters and Particle Swarm Optimization (PSO)	Journal of Nanoscience and Nano technology **I.F: 1.15**	Vol.2, No.6. February-2014. pp-760-765 **A-II(11987)**
26	Human Emotion Recognition using Advanced Neural Network	Journal of Emerging Technologies on Image Processing and Networking	Vol.8, Feb-2014 pp.112-116
27	Diabetics Disease Prediction using Advanced Machine Learning approaches	Journal of Emerging Technologies on Image Processing and Networking	Vol.8, Feb-2014 pp.131-137
28	Modeling of PEM Fuel Cell Stack System using Feed-forward and Recurrent Neural Networks for Automotive Applications	International Journal of Engineering and Technology (IJET) **I.F:0.8470**	Vol. 6 No 2 Apr-May 2014 pp-559-569
29	Industrial Process Integration for Control and Automation: A Review	International Journal of Engineering Research and Technology (IJERT) **I.F: 1.76**	Vol.1, No.1, March-2014 pp.28-34
30	Estimation of Amount of Alloying Elements in Steel Making Process Using Subtractive Clustering Technique	International Journal of Applied Environmental Sciences **H-Index:3** **I.F : 0.08**	Vol.9, No.3, May- 2014 ISSN 0973-6077 pp. 1009-1017 **A-II(8566)**

31	A Sequential Learning Method for Detection and Classification of Exudates in Retinal Images to assess Diabetic Retinopathy	Journal of Biological Systems **H Index**: **20** **I.F: 0.649**	Vol. 22, No. 3 June 2014. pp. 413–428 **A-I (4357)**
32	Early detection and classification of microaneurysms in retinal fundus images using sequential learning methods	International Journal of Biomedical Engineering and Technology **H Index**: **7** **I.F: 0.60**	Vol. 15, No. 2, June 2014 Pp128-143 **A-II(8622**)
33	Diabetic Disease Prediction Using Fully Complex Valued Fast Learning Predictor(FC-FLP)	International Journal of Emerging Technology and Advanced Engineering(IJETAE) **I.F: 0.489**	Vol. 4, No. 7, July-2014 pp-325-328
34	A Fully Complex-valued Fast Learning Classifier (FC-FLC) for Real-valued Classification Problems	Elsevier Journal of Neuro computing **I.F: 2.102**	Vol.149, pp-198-206 July 2014 **A-I(6333)**
35	Performance Testing of Non-Linear pH Neutralization Using Bacterial Foraging Algorithm	Australian Journal of Basic and Applied Sciences **H Index**: **12** **I.F:0.43**	Vol.8, No.10, July 2014 pp-62-71 **A-II(2095)**
36	An integrated exploration of thermal and water management dynamics on the performance of a stand-alone 5-kW Ballard fuel-cell system for its scale-up design	Journal of Power and Energy **I.F: 0.596**	Vol.228 No.7 pp.836-852 August 2014
37	Fuzzy Optimization and Control for a non-linear process using Extended Kalman Filter	**Journal of the Instrument Society of India-(National)**	Vol.44, No.3, September 2014 pp-71-74
38	Wind Speed and Wind Direction Prediction using Fast Learning Fully Complex Valued Predictor Neural Network	International Journal of Applied Engineering Research **H Index**: **5** **I.F:0.16**	Vol. 9, No. 21 (2014) pp. 10609-10616 **A-II(8565)**
39	Fast Learning Neural Network for Function Approximation and Darwin Sea Level Pressure Prediction	International Journal of Applied Engineering Research **H Index**: **5** **I.F:0.16**	Vol.9, No.21 (2014) pp. 10627-10635 **A-II(8565)**
40	Numerical Study on the Detailed Characterization of Ni-MH Battery Model for its Dynamic Behavior using Multi-Regression Analysis – MRA	International Journal of Soft computing and Engineering **I.F: 3.76**	Vol.4, No.6, pp: 34-43, January 2015.
41	A Heuristic Approach for Optimization of Non-linear Process using Firefly Algorithm and Bacterial Foraging Algorithm	International Journal of Engineering Research and Applications **I.F: 1.324**	Vol.4, Issue-12, pp-81-92 December 2014

42	A study on Heuristic Algorithm based Controller Optimization for pH Neutralization Process	International Journal of Applied Engineering Research **H Index**: 5 **I.F:0.16**	Vol.9, No.22 pp. 13095-13111 December 2014 **A-II(8565)**
43	Fault detection and diagnosis in Continuous Stirred Tank Reactor (CSTR)	International Journal of Technical Research and Applications **I.F: 4.395**	Vol.3, No.2 pp. 07-11 Mar- 2015
44	Dynamic Modeling and Analysis of Power Sharing Control Strategy Based Fuel Cell/Battery Assisted Hybrid Electric Vehicle System	International Journal of Renewable Energy Research **I.F: 1.0**	Vol.5, No.1, pp-139-150 April -2015 **A-II(9304)**
45	Spike Detection from Electroencephalogram Signals with Aid of Hybrid Genetic Algorithm-Particle Swarm Optimization	Journal of Medical Imaging and Health Informatics **I.F.0.642**	Vol. 5, No.5, pp. 936-944 September -2015 **A-I(4966)**
46	An Efficient Method for Locating Distributed Generation to Provide Reactive Support in Micro grid	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering **I.F: 5.016**	Vol. 3, Issue 12, December 2014 pp-13763-13769
47	Dual Vector Control For Grid Interactive Converters In Smart grid Under Unbalanced Conditions	International Journal of Engineering Research & Management Technology **I.F: 1.492**	Vo.2, No.1. PP.17-25 January- 2015
47a	Extraction of Retinal Blood Vessels and Diagnosis of Proliferative Diabetic Retinopathy Using Extreme Learning Machine	Journal of Medical Imaging and Health Informatics **I.F.0.642**	Vol.5, No.2, pp. 248-256 April 2015,
48	H-infinity controller for frequency and voltage regulation in grid-connected and islanded Micro grid	IEEJ Transactions on Electrical and Electronic Engineering **I.F.0.213**	Vol.10.No.5 pp-503-511 Sep-2015 **A-I(3555)**
49	Comparison of extrapolation techniques for active and reactive power prediction in grid connected inverter	International Journal of Computer Informatics & Technological Engineering **I.F.0.706**	Volume.2, Issue-1, January 2015 pp-1-6 ISSN:2348 8557
50	Industrial Process Modeling using Intelligent Techniques	Karpagam Journal of Engineering Research	Vol.3 pp-831-839 June 2015
51	A new classification method of epileptic EEG signal using differential evolution optimally pruned extreme learning machine	Middle-East Journal of Scientific Research	Vol.22, No.6, pp-816-821 June 2015
52	Spike Detection from EEG signal using PSO	Unique Journal of Engineering and Advanced Sciences **Index value:5.42**	Vol.2, Issue -4, pp-51-55 June 2015

53	A new framework based on Extreme Learning Machine for Epileptic Seizure Detection	Unique Journal of Engineering and Advanced Sciences **Index value:5.42**	Vol.2, No.4, pp-56-62 June 2015
54	Removal of Harmonics in EEG using PSO	International Journal of Applied Engineering Research **H Index**: **5** **I.F:0.16**	Vol.10, No.38 pp-28977-28982 **A-II(8565)** June 2015
55	Removal of Artifacts in EEG using ELM	International Journal of Applied Engineering Research **H Index**: **5** **I.F:0.16**	Vol.10, No.38 pp-28983-28988 June 2015 **A-II(8565)**
56	Heuristic Algorithm Based Controller Optimization for a Real Time pH Neutralization Process System	International Journal of ChemTech Research **H Index**: 17 **I.F: 0.34**	Vol.7, No.5, 2015 pp 2320-2332, June 2015 **A-II(8651)**
57	A Meta-cognitive Fully Complex Valued Functional Link Network for solving real valued classification problems	Journal of Applied Soft Computing **I.F: 2.68**	Vol. 33, May-2015 pp-328–336 **A-I(766)**
58	Model Based Incipient Fault Detection and Estimation of Heating and Estimation of Heating Ventilation and Air-Conditioning System	**National Journal of Technology**	Vol.11, No.3, September 2015 pp-27-34
59	Steel Process Modeling using Clustering Technique	International Journal of Applied Engineering Research **H Index**: 5	Vol.10, No.62, October 2015 pp-34-36
60	Fuzzy Based Approach for Assessing Amount of Alloy Additives in Steel Production Process	International Journal of Electrical and Computing Engineering **H Index**: 8	Vol-1, Issue-4, June-2015 pp70-72
61	Neuro Fuzzy Technique for Steel Process Modeling	Indian Journal of Science and Technology	Vol-8, No.24, September 2015 pp-1-7
62	Graphical User Interface based Fault Diagnosis in Shell and Tube Heat Exchanger	**Journal of the Instrument Society of India (National)**	Vol-45, No.4. pp-228-232 Dec-2015
63	Real time Performance Analysis and Fault Diagnosis in Heat Exchanger	International Journal of ChemTech Research **H Index**: 17	Vol.8, No.12, pp-418-427, Feb-2016 **A-II(8651)**
64	Support Vector Machine Based Fault Diagnosis in Shell and Tube Heat Exchanger	Global Journal of Electronic and Communication Research	Vol. 7, No.1 pp.179-187 (June-2016)
65	Modelling and Real Time Fault Diagnosis in Shell and Tube Heat Exchanger	Journal of Advanced Computing and Communication Technologies (ISSN*: 2347 –*	Vol, No.4 July 2016 pp. 62-67

		2804) **I.F: 2.65**	
66	Neuro-Fuzzy Technique Based Fault Diagnosis in Shell and Tube Heat Exchanger	Journal of Instrumentation Technology & Innovations	Vol 6, No 2 (2016) pp-21-27 December 2016
67	Real Time Performance Analysis for Fault Diagnosis in Heat Exchanger Using ANFIS and SVM Methods	Journal of Chemical and Pharmaceutical Sciences **I.F: 0.684**	Vol 8, No 1 December 2016 pp-18-22
68	Controller Design for Evaluating Optimal Chemical Ratio in Starch Modification Process	Asian Journal of Research in Social Sciences and Humanities **I.F: 4.557**	Vol. 6, No.10, October 2016, pp.900-910.
69	Soft Computing Techniques for Ladle Refining Process in Steel Making	International Journal of Advanced Engineering Technology **I.F:2.76**	Vol.7, Issue.1, pp-955-958 March-2016
70	Real timed Level Control of Conical Tank System using Model Based Controllers	**Journal of the Instrument Society of India (National)**	Vol. 46, No.4, pp178-182 December 2016
71	Modeling and simulation of level control phenomena in a non-linear system	International Journal of Intellectual Advancements and Research in Engineering Computations **I.F: 3.02**	Vol. 5, No.1, Pp 465-469 March 2017
72	Design and Development of Wearable Medical Suit	International Journal of Innovative Research in Science, Engineering and Technology **I.F: 6.209**	Vol. 6, No.3, Pp 3462-3469 March 2017
73	Non-Integer Order Controller Based Robust Performance Analysis of a Conical Tank System	Journal of Advanced Computing and Communication Technologies **I.F: 2.65**	Vol. 5, No. 2, pp-32-36 April 2017
74	Real Time Performance Analysis, Fault Detection and Control in Conical Tank System	International Journal of Research in Electronics **I.F: 1.747**	Vol. 4, No. 2, pp-1-6 May- 2017
75	Optimization of VLSI Architecture for High Performance PLL	International Journal for Research in Applied Science & Engineering Technology (IJRASET) **SJ Impact Factor:6.887**	Volume 5 Issue X1, November 2017 Pp:642-648
76	Improving Energy Efficiency of Wireless Sensor Networks through Modified Localization Algorithms	International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) **I.F: 7.194**	Vol. 5, Issue 10, October 2017 Pp: 15971 -15977
77	Real Time Fault Detection and Analysis Using Neural	**Journal of the Instrument Society of India (National)**	Vol-47, No.3. pp-96-99

			September-2017
78	Fault Detection and Analysis using Statistical Data for Continuous Stirred Tank Reactor (CSTR)	International Journal of ChemTech Research **H-Index: 32**	Vol.11 No.02, pp 266-274, 2018
79	Adaptive Neuro Fuzzy Inference System (ANFIS) Based Real Time Fault Detection and Analysis for Double Pipe Heat Exchanger	Journal of Recent Research in Engineering and Technology **SJ Impact Factor:4.36**	Vol.5 No.4, pp 11-16, April 2018
80	Green synthesis and characterization of silver nano materials using leaf extract of prosopis cineraria for anti-bacterial and anti-cancer applications	Materials Research Express **H-Index-15** **I.F:0.87**	Vol.5, No.10 pp.1-8 August-2018 **A-7782**
81	Logic obfuscation technique using configurable gate diffusion input for improved hardware security	IEICE Electronics Express **H.Index:31** **I.F: 0.41**	Vol.15, No.19, pp.1–10 October -2018
82	DECSA: hybrid dolphin echolocation and crow search optimization for cluster-based energy-aware routing in WSN	Journal of Neural Computing and Applications- Springer **I.F: 4.213** https://doi.org/10.1007/s00521-018-3637-4	Vol.31, No.4 pp.47–62, July 2018
83	Industrial Process Integration for Control and Automation: A Review	International Journal of Engineering Research & Technology (IJERT)	RTIA' 14 Conference Proceedings 31.07.2018
84	PLC Based Automatic Pomegranate Deseeding System	**Journal of the Instrument Society of India (National)**	Vol-48, No.3. pp-97-99 September-2018
85	Steel Process Modeling Based on Computational Intelligence Techniques	Asian Journal of Information Technology	Vol.17, No.2, pp-124-130. October 2018
86	Internet of Things for Smart Steel Making	International Science and Technology Journal	Vol.7, No. 4, October 2018, pp-64-67
87	Analysis of Electrocoagulation Process for Wastewater Treatment using DC Power Source, Solar Power Source and IoT	Caribbean Journal of Science	Volume 53, Issue 1 (Jan – April), 2019 pp-503-528
88	Novel Logic Locking Scheme using Configurable OC for Secured IC Design	Caribbean Journal of Science	Volume 53, Issue 2 (May – Aug), 2019 pp-488-498
89	Adaptive Visual Tracking for Human Motion Detection	International Journal of Image Processing and Pattern Recognition	ISSN: 2456-6985 (Online) Vol. 5: Issue 1 pp-1-5,June-2019

90	Review on Medical Image Enhancement Techniques	International Journal of Image Processing and Pattern Recognition	ISSN: 2456-6985 (Online) Vol. 5: Issue 1 pp-16-21,June-2019
91	A Review of Various Sensors for Measurement of Methane.	International Journal of Distributed Computing and Technology.	Vol.5, Issue 1,pp 1–8 July 2019
92	Hardware protection of design data for integrated circuits: A review	International Journal of Distributed Computing and Technology.	Vol.5, Issue 1,pp 9–14 July 2019
93	Controlling of Level Process in Nonlinear System Using Variable Frequency Drive	Current Trends in Information Technology	Vol. 9, Issue 2, August-2019 pp-24-33
94	Analysis and design of a novel hybrid topology for power quality improvement using multilevel inverter fed induction motor by reducing vibration for textile wastewater treatment applications	Journal of Vibro engineering,	Vol. 21, Issue 3, pp. 665-683. May 2019
95	Reconfigurable Fuzzy for Cassava Starch Modification Process in Biodegradable Plastics and Pharmaceutical Applications.	Applied Mathematics & Information Sciences	Vol. 13, No. 4, pp.569-577, 2019
96	Noise Removal in Medical Images using Shearlet Transform	International Journal of Intellectual Advancements and Research in Engineering Computations	Vol.7, Issue-1, 2019 pp.1238-1244
97	Modelling of Solar Photovoltaic Array Fed Brushless dc Motor Drive using Enhanced dc-dc Converter	Proceedings of the Romanian Academy, Series A	Vol. 20, No. 2, pp. 169-178,2019
98	Energy Monitoring Using GSM	International Journal of Mobile Computing Devices	Vol. 5: Issue 1, pp-8-11, Oct-2019
99	Hybrid Dragonfly Optimization-Based Artificial Neural Network for the Recognition of Epilepsy	International Journal of Computational Intelligence Systems	Vol. 12, No.2, pp. 1261–1269 Nov-2019
100	Colour Pigmentation Process in Dyeing Industries using PLC	**Journal of the Instrument Society of India (National)**	Vol-49, No.1. pp-97-99 March-2019
101	Real time Fault Diagnosis in Continuous Stirred Tank Reactor	International Journal of Scientific & Technology Research	Vol-9 Issue-02, pp-3107-3110 Feb-2020
102	Optimization of Logic Obfuscation Technique For Hardware Security	International Journal of Scientific & Technology Research	Vol-9 Issue-2, pp.1044-1048, Feb-2020
103	Automated Bridal Veni Making	International Journal of Engineering and Advanced Technology (IJEAT)	Vol.-9 Issue-3, February, 2020 pp-1908-1910

104	Non-Invasive Fruit Analyser_1.7	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Vol-9 Issue-5, pp-1567-1570, March 2020
105	Elephant-Based Crow Optimization for enabling the Energy Aware Multihop Routing in Clustered Wireless Sensor Networks	International Journal of Scientific & Technology Research	Vol-9 Issue-2, pp.6312-6315, Feb-2020
106	Sugarcane Bagasse Moisture Monitoring and Control in Sugar Industries	Bioscience Biotechnology Research Communications (BBRC)	Vol-13 Issue-4, pp. 292-295, Feb-2020
107	Symmetric Particle Based Feature Detection in Medical and Natural Images	Bioscience Biotechnology Research Communications (BBRC)	Vol-13 Issue-4, pp. 285-291, Feb-2020
108	PESTRON for Quality Monitoring of Custard Apples	International Journal of mechanical and Production Engineering Research and Development (IJMPERD)	Vol-10 Issue-3, pp. 7171-7178,June-2020
109	Moving Human Target Detection and Tracking in Video Frames, ISSN 1220-1766,	Studies in Informatics and Control	Vol 30(1), pp. 119-129, March-2021.
110	Design And Analysis of Secondary Actuator Controller for Airwing System	Comptes rendus de l'Acad_emie bulgare des Sciences	Tome 74 issue 4 /April, 2021 pp. 553 - 560
111	Industrial Waste Water Recycling Using Nanographene Oxide Filters	Hindawi Advances in Materials Science and Engineering	Volume 2021, Article ID 4528949,pp-1-7 July 2021
112	M. Santhiya, S. Saranya, S. Vijayachitra, C. B. Lavanya and M. Rajarajeswari, "Application of Voter Insertion Algorithm for Fault Management using Triple Modular Redundancy (TMR) Technique,"	2021 Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV),	4-6, Feb 2021, pp. 578-583, doi: 10.1109/ICICV50876.2021.9388450. ISBN: 978-1-6654-1960-4
113	A Novel Experimental Study and Analysis of Electrocoagulation Process for Textile Wastewater Treatment using Various Sensors with Integration of IoT Monitoring System	Journal of New Materials for Electrochemical Systems ISSN: 1480-2422 (Print), 2292-1168 (Online) Impact factor: 0.72	Vol.24, No.2, June 2021, pp-95-102 H-index:42 DOI: https://doi.org/10.14447/jnmes.v24i2.a06
114	Design Of Fuzzy – Pid Controller For Continuous Stirred Tank Reactor Plant	Journal of Natural Volatiles and Essential Oils	2021;Vol. 8, No.5, July-2021, pp.199 - 205

b). International Conferences

S.No	Title of the Paper	Authors	Name of the Conference National/ International (Date & venue)

1	Neuro-Fuzzy Modeling to predict the stress flow of die steel in Plastic Molding Process	S.Vijayachitra K.Krishnaswamy	International Conference on 'Trends in Industrial Measurements and Automation'-TIMA-04, at CSIR Complex, Taramani. 16-18, December 2004 pp.209-214
2	Neuro-Fuzzy Modeling to Earthquake Damage Assessment	S.Vijayachitra A.Tamilarasi	International Conference on 'Resource Utilization and Intelligent Systems' INCRUIS-2006, at Kongu Engineering College, Perundurai 4-6, January -2006 pp-39-42.
3	Adaptive Neuro-Fuzzy Inference System Modeling to Hydro treater of Tertiary Treatment Process	S.Vijayachitra A.Tamilarasi	International Conference on 'Resource Utilization and Intelligent Systems' INCRUIS-2008, at Kongu Engineering College, Perundurai 3-5, January -2008 pp-342-346
4	MISO Process optimization using fuzzy GA clustering	S.Vijayachitra A.Tamilarasi	2009 International Conference on Education Technology and Computers(ICETC-2009), Singapore, April 17-20, 2009 pp-248-252
5	Process optimization using GA Based Fuzzy Clustering	M.Pravinkumar S.Vijayachitra	International Conference on Control, Automation and Communication and Energy Conservation-INCACEC-2009, KEC,June 4-6, 2009 pp-255-260
6.	Real Time Implementation of oil field monitoring system using SCADA	A.Adhikesh S.Vijayachitra	International Conference on Computational Systems and Communication Technology (CSCT), Tirunelveli, May-8,2010 pp-101-105
7	EEG Signal processing based security system using Genetic Algorithm	Dr.S.Vijayachitra K.G.Parthiban	International Conference on Computer, Communication and Signal Processing (IC^{3}SP-2011) during 21-23 Sep, 2011at SSM College of Engg, Komarapalyam.
8	A Novel computational protocol development of a proton exchange membrane fuel cell for stationary applications	M.Karthik M.Jothibasu Dr.S.Vijayachitra	International Conference on Renewable Energy Technologies iCORET 2011 during 15-17, Dec-2011 at PSG Tech, Coimbatore.
9	Dynamic Modeling and Control of Polymer Electrolyte Membrane Fuel cell for Automotive Applications	M.Karthik M.Jothibasu Dr.S.Vijayachitra	International Conference on "Renewable Energy Resources for 21st Century- Challenges and Opportunities" at Amrita University, Coimbatore, during March 9-10, 2012.
10	Optimization of Steel Making Process Using Ant Colony Clustering Technique	S.Sathya Dr.S.Vijayachitra	International Conference on Emerging Technological Trends in Advanced Engineering Research [ICETT 2012] at Baselios Mathews II College of Engineering, Kollam, Feb 20-21, 2012

11	Detection of exudates in retinal images using fuzzy techniques	S.Mohanapriya M.Ponni Bala S.Vijayachitra	International Conference on Image processing Techniques & Applications at SASTRA University, Thanjavur during April 6-7, 2012.
12	Wind profile prediction using a Meta-cognitive Fully Complex-valued neural network	Sathish, E. Sivachitra, M. Savitha, R. Vijayachitra, S.	Fourth International Conference on Advanced Computing (IcoAC), 2012 at Anna University, Chennai 13-15 Dec. 2012, Pp:1 – 6 10.1109/IcoAC.2012.6416850
13	Design of Extended Kalman Filter for State Estimation of Stepper Motor	Dr.S.Vijayachitra K.Sumathi	2nd International Conference on Innovative Research in Engineering and Technology (iCTRET2013), at Park College of Engg, Coimbatore, January 3-5, 2013 pp-46-51
14	Quantitative Analysis of Tapioca Starch using FTIR Spectroscopy and Partial Least Squares	M.MadhanMohan Dr.S.Vijayachitra R.Sachithraa	International Conference Conf. on Innovations in Intelligent Instrumentation, Optimization and Signal Processing' at Karunya University, Coimbatore during March01-02, 2013, pp-1251-1255
15	Automatic Detection of Microaneurysms and Classification of Diabetic Retinopathy Images using SVM Technique	C.Aravind M.Ponni Bala S.Vijayachitra	International Conference Conf. on Innovations in Intelligent Instrumentation, Optimization and Signal Processing' at Karunya University, Coimbatore during March-01-02, 2013, pp-1251-1255
16	Fuzzy Expert System for Optimization of Industrial Process	M.Pravin Kumar Dr.S.Vijayachitra Sneha Paul	International Conference on Advanced Computing, Machines and Embedded Technology (ICACT-2013) at J.K.K.Nattraja Educational Institutions, Komarapalayam March 8 – 9, 2013, pp-7-11
17	A fully complex- valued Fast Learning Classifier (FC-FLC) for Real Valued Classification Problems	M.Sivachitra R.Savitha S.Suresh S.Vijayachitra	4th International conference on 'Extreme Learning Machines" at Beijing, China during October 15-17, 2013
18	Parkinson's disease prediction using machine learning approaches	Gokul S. Sivachitra M. ; Vijayachitra .S	Fifth International Conference on Advanced Computing (IcoAC), Anna University, Chennai, 18-20, December-2013. Pp-246 – 252
19	Non-Linear State Estimation of Wind Turbine using Extended Kalman Filter	N.Kavitha S.Vijayachitra	International conference on Renewable Energy Utilization (ICREU-2014) at CIT, Coimbatore during January 8-10, 2014 pp-295-299
20	Power Quality Improvement in Microgrid using Series and Shunt Inverters	A.Sheela D.Sangeetha S.Vijayachitra	International conference on Renewable Energy Utilization (ICREU-2014) at CIT, Coimbatore during January 8-10, 2014 pp-165-170
21	Optimisation of power flow in	A.Sheela	International conference on

	grid-connected LV Microgrids	S.Revathi S.Vijayachitra	Renewable Energy Utilization (ICREU-2014) at CIT, Coimbatore during January 8-10, 2014 pp-495-500
22	Design of DQ based detection and strategy for compensating voltage sag using fuzzy controller	A.Sheela M.Thamaraiselvan S.Vijayachitra	International conference on Renewable Energy Utilization (ICREU-2014) at CIT, Coimbatore during January 8-10, 2014 pp-606-613
23	Intelligent New Generation of Object Tracking	K.G.Parthiban S.Vijayachitra	International conference on "Innovative Engineering Skills" at Aishwarya College of Engg and Technology, Bhavanai on 12.02.14
24	Spike Detection from EEG signals with aid of Morphological Filters and Genetic Algorithm	K.G.Parthiban S.Vijayachitra	International conference on "Innovative Engineering Skills" at Aishwarya College of Engg and Technology, Bhavanai on 12.02.14
25	Performance Analysis of Non-Integer order PID Controller for Liquid level control of conical tank system	S.Janarthanan K.N.Thirukkuralkani S.Vijayachitra	International conference on Information and Communication &Embedded Systems at S.A. Engineering College, Chennai. 27-28, Feb, 2014
26	Modelling and Control of Two Conical Tanks of Interacting Type and Non-Interacting Type using Adaptive Controller	D.Hariharan S.Vijayachitra	International Conference on Innovations in Information Embedded and Communication Systems-2014 at Karpagam University, Coimbatore during 13.03.14 to 14.03.14, pp.230-233
27	Extraction of Retinal Blood Vessels and Diagnosis of Proliferative Diabetic Retinopathy using SVM Technique	V.Yuvashree M.Ponni Bala S.Vijayachitra	International Conference on Innovations in Information Embedded and Communication Systems-2014 at Karpagam University, Coimbatore during 13.03.14 to 14.03.14, pp.37-40.
28	Analysis and Control of Chemical Concentrations in Nonlinear Wastewater Treatment Systems	G.M.Dhivyanandhini Ms.M.Ponni bala Dr.S.Vijayachitra	International Conference on Advances in Control and Computing of Analog and Digital Systems (ACCADS-2014) at CIT, Coimbatore. 29-31 December-14. Pp-33-38
29	Fault Detection and Diagnosis in Continuous Stirred Tank Reactor(CSTR)	R.Gowthami S.Vijayachitra	International Conference on Control, Calibration & Testing (ICCCT'15) at PSG College of Technology, Coimbatore during 13.02.15 -14.02.2015. Vol.7, No.2, pp-15-20.
30	Model Based Incipient Fault Detection and Estimation of Heating Ventilation and Air-Conditioning (HVAC) System	I.Hemalatha S.Vijayachitra	International Conference on Control, Calibration & Testing (ICCCT'15) at PSG College of Technology, Coimbatore during 13.02.15 -14.02.2015. Vol.7, No.2, pp-21-25.

31	A Meta cognitive Fully Complex-valued Fast Learning Classifier for Real valued Classification Problems	M.Sivachitra S.Vijayachitra	International Conference on "Cognitive Computing and Information Processing-CCIP-15", at JSS Academy of Technical Education, Noida, U.P during March2-4, 2015.
32	A Meta-cognitive Fully Complex Valued Fast Learning Predictor Network for solving real valued Prediction problems	M.Sivachitra S.Vijayachitra	International Conference on "Cognitive Computing and Information Processing-CCIP-15", at JSS Academy of Technical Education, Noida, U.P during March2-4, 2015.
33	A Meta-cognitive Fully Complex Valued Functional Link Predictor Network for solving real valued Prediction problems	M.Sivachitra S.Vijayachitra	International Conference on "Cognitive Computing and Information Processing-CCIP-15", at JSS Academy of Technical Education, Noida, U.P during March2-4, 2015.
34	Classification of Post Operative Breast Cancer patient information using Complex Valued Neural Classifiers	M.Sivachitra S.Vijayachitra	International Conference on "Cognitive Computing and Information Processing-CCIP-15", at JSS Academy of Technical Education, Noida, U.P during March2-4, 2015.
35	Planning and Relaxed state EEG signal classification using Complex Valued Neural Classifier for Brain Computer Interface	M.Sivachitra S.Vijayachitra	International Conference on "Cognitive Computing and Information Processing-CCIP-15", at JSS Academy of Technical Education, Noida, U.P during March2-4, 2015.
36	Fault Detection and Diagnosis in Continuous Stirred Tank Reactor(CSTR) using Neural Network	R.Gowthami S.Vijayachitra	International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS-15) at Karpagam College of Engineering, Coimbatore during March 19-20, 2015. Pp-6-10.
37	Steel Process Modeling using Clustering Technique	M.Pravin Kumar S.Vijayachitra	International Conference on Applied Research in Engineering and Technology ICArET 2015 at Thamirabharani Engineering College, Tirunelveli on 02.05.2015 pp-61-64
38	Removal of Harmonics in EEG using PSO	K.G.Parthiban S.Vijayachitra	International Conference on "Advances in computing, Control, Communication, Automation and Structural Engineering (ACCCAS-2015) at Al-Ameen Engineering College, Erode on 10-11, April,2015
39	Removal of artifacts in EEG using ELM	K.G.Parthiban S.Vijayachitra	International Conference on "Advances in computing, Control, Communication, Automation and14

			Structural Engineering (ACCCAS-2015) at Al-Ameen Engineering College, Erode on 10-11, April,2015
40	Implementation of fuzzy clustering technique of non-linear EEG signal for Anti accident vehicle system.	K.G.Parthiban S.Vijayachitra	International Conference on "Advances in computing, Control, Communication, Automation and Structural Engineering (ACCCAS-2015) at Al-Ameen Engineering College, Erode on 10-11, April,2015
41	Fuzzy Based Approach for Assessing Amount of Alloy Additives in Steel Production Process	M.Pravin Kumar S.Vijayachitra	International Conference on "Electrical Computing and Communication Engineering" held at Bangalore on 25.04.2015. pp-13-16
42	Optimization of pumping process in waste water treatment plant for energy conservation	R.Pavithra M.Karthikeyan S.Vijayachitra	International Conference on Energy, Environment& Engineering (ICEEE-2016) held at Coimbatore Institute of Technology, Coimbatore during 29.02.16 to 02.03.16
43	Support Vector Machine Based Fault Diagnosis in Shell and Tube Heat Exchanger	S.Monisa S.Vijayachitra	International Conference on Advancements in Science, Engineering, Technology and Management (ICASETM-16) held at MPNMJ Engg College, Chennimalai on 16.04.2016
44	Design of the Level Control in Conical Tank System using Model Based Controllers	S.Pooja S.Vijayachitra	International Conference on Mathematical Modeling and Computational Methods in Science and Engineering, Alagappa University, Karaikudi, India February 20-22, 2017
45	Modeling and simulation of level control phenomena in a non-linear system	S.Pooja S.Vijayachitra	International Conference on Recent Innovations in Engineering, Technology and Management" (ICRIETM-2017), Nandha Engineering College, Erode on 25.03.17
46	Real Time Performance Analysis, Fault Detection and Control in Conical Tank System	S.Pooja S.Vijayachitra	International Conference on "Advancements in Science, Engineering, Technology & Management – 2017, MPNMJ Engineering College, Chennimalai on 25.03.17
47	Investigations of Optical, electrochemical and antimicrobial bustles of green synthesized silver Nano particles using leaf extract of Prosopis cineraria	P.Yuvarani S.Vijayachitra	International conference on, "Advances in Biotechnology and Biotherapeutics"(ICABBS-2017), Sathyabama University, Chennai on 08-10 March 2017 pp: 94

48	Noise Removal in Medical Images using Shearlet Transform	M.Raja S.Vijayachitra	International Conference on "Recent Innovations in Engineering Technology and Management (ICRIETM-2019 at Nandha College of Technology, Erode at 22.03.2019
49	Speed Control Of A Dc Motor Using Model Predictive Controller	R.Dhanasekar , S.Vijayachitra , K.Rajkumar, N.Somesh	International Conference on "Mathematics for Materials Science, Signals, Images and Structured Data" (ICMMSIS'20), 23-24 July, 2020
50	A Review on Control Strategies of Autonomous Underwater Vehicles	Santhiya. M Vijayachitra. S	International Virtual conference on Robotics, Automation, Intelligent Systems and Energy (IVC-RAISE 2020), Kongu Engineering College, Perundurai during 15.12.2020
51	Application of Voter Insertion Algorithm for Fault Management using Triple Modular Redundancy (TMR) Technique	M.Santhiya S.Vijayachitra	Third Int.Nat. Conf. on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021) by Francis Xavier Engineering College, Tirunelveli on 04-06, Feb-2021., PP-578-583
52	Optimized Control of Coolant Temperature in Continuous Stirred Tank Reactore	R.Dhanasekar S.Vijayachitra	2021 Smart Technologies, Communication and Robotics (STCR) at BIT, Sathy during 09-10 October 2021.
53	Deep Learning Technique Based Pulmonary Embolism (PE) Diagnosis	S.Vijayachitra, K.Prabhu, M.Abarana, A.Deepa L.Loga Priya	Third International Conference on Electrical and Computer Technologies 2021 (ICAECT 2021) at PSR Engineering College, Coimbatore during 29-30, October-2021
54	A survey on control techniques of Autonomous Underwater Vehicles	M.Santhiya S.Vijayachitra	5th International Conference on Technologies for Green Mobility - 2021 during 23rd and 24th December 2021, Bannari Amman Institute of Technology, Sathy

c). National Conferences

S.No	Title of the Paper	Authors	Name of the Conference National/ International (Date & venue)
1	Adaptive Network Based Fuzzy Inference System (ANFIS) Modeling of Water Cleaning Process& Converter in Steel-Making Process	S.Vijayachitra S.P.Natarajan S.Arulselvi	National Conference on 'Artificial Neural Network and Fuzzy Logic'(NCANNFS-2002), at Annamalai University, February 23&24, 2002
2	Adaptive Neuro-Fuzzy Technique to Fuzzy Modeling of an Iron-Constantan Thermocouple	S.Vijayachitra K.Krishnaswamy R.Bharathi	National Conference on 'Modern trends in Electrical and Instrumentation Systems' NCEIS-2002, at GCT, Coimbatore,3-14,

			Characteristics		March, 2002

3	Neuro-Fuzzy Modeling of Tertiary Treatment Process	S.Vijayachitra S.Thirugnanasambandam	UGC Sponsored National Seminar on Safety-Health-Environment (SHE-2004), at DDE, Annamalai University, 27-28, Feb-2004
4	Neuro-Fuzzy Technique for identification of percolation ponds	S.Vijayachitra V.BabyDeepa	UGC Sponsored National Seminar on Safety-Health-Environment (SHE-2004), at DDE, Annamalai University, 27-28, Feb-2004
5	Diagnosis of Prostate Cancer using Fuzzy Expert System	S.Vijayachitra A.Geetha	National Conference on 'IT for IT', at Kongu Engineering College, Perundurai. 26, March-2004
6	To measure and Control the level of Oxygen in atmosphere and to measure the fuel efficiency in automotive industries	S.Meenu S.Vijayachitra	National Conference on 'Intelligent Integrated Control and Automation' NCIICA-2006 at CIT, Coimbatore, Feb-10,2006
7	Implementation of Fuzzy PID controller to Temperature Control Process	K.Prabhu S.Vijayachitra	National Conference on 'Optimization Techniques in engineering Sciences and Technologies' OPTEST-2006, 11-12, April,2006
8	Application of Intelligent Modeling Methods to Quantitative Analysis of Indian Earthquakes Assessment	S.Vijayachitra A.Tamilarasi	National Symposium on Instrumentation (NSI-32)at K.S.R.C.T, T.Code 24-26, October -2007
9	Adaptive Neuro Fuzzy Inference Modeling to Water Treatment Process	S.Vijayachitra A.Tamilarasi	National Symposium on Instrumentation (NSI-32)at K.S.R.C.T, T.Code 24-26, October -2007
10	Process Optimization using Fuzzy GA clustering	M.Pravin kumar S.Vijayachitra	National Conference at GCT, Coimbatore March, 2009 pp-241-246
11	Fuzzy GA based process Optimization	M.Pravin kumar S.Vijayachitra	National Conference (OPTEST-09) at Bannari amman Institute of Technology, Sathiyamangalam. April, 2009
12	Eye Robo	K.C.Shanmugapriya Dr.S.Vijayachitra	Bannari amman Institute of Technology, Sathiyamangalam. December 2010
13	Effective Brain Tumor Diagnosis using Automated image segmentation	S.Deepa Dr.S.Vijayachitra	National Conference on Emerging Trends in Engineering, Manufacturing and Computer Applications (EMCA-11), pp-64-65. Feb 2011.
14	Non-linear Electroencephalogram Signal Processing using Re-configurable Processor for Accident Avoidance System in Vehicle	K.G.Parthiban Dr.S.Vijayachitra	National Conference on "VLSI, Communication & Computation" at Maharaja Engineering College, Coimbatore during Feb-18, 2012

15	Self-adaptive resource allocation network classifier applied for classification problem	S.Sudha M. Sivachitra S. Vijayachitra	National Conference on Signals, Systems and Security (NCSSS-12) BIT, Sathy during Feb 23-24, 2012.
16	Face Recognition using PCA and Neural Network	P.Gurusamy Dr.S.Vijayachitra	National Conference on Recent trends in Electronics, Instrumentation and Automation RTIA-2012 at Erode Sengunthar Engineering College, Thudupathy on 17.03.12.
17	Classification of Diabetic retinopathy Images using Image Processing Techniques	S. Mengadevi Dr.S.Vijayachitra	National Conference on Innovations in Signal Processing, Embedded Systems & Communication Technology (SPECT-12) 22nd March 2012 at Kumaraguru College of Technology, Coimbatore
18	Application of Complex-valued radial basis function network and extreme learning machine for wind profile prediction	Makesh. C Sivachitra.M Dr.Vijayachitra.S	National Conference on Industrial technology (NCIT-12), BIT, Sathy during March 9-10, 2012
19	Estimation of State variables of CSTR using Extended Kalman Filter	Dr.S.Vijayachitra S.Sathya	National Conference on "Control, Instrumentation and Automation (NCCIA-2012)", PSG Tech, Coimbatore on 27.04.2012.
20	Detecting the stages of Diabetic Retinopathy using ANFIS and GUI	S. Mengadevi Dr.S.Vijayachitra M.Ponni Bala	National Conference on Biomedical Informatics and Telemedicine at Kongu Engineering College on 02.05.2012
21	Estimation of ANFIS Parameters using PSO	R.Kiruba Dr.S.Vijayachitra	National Conference on Computational Intelligence in EEE at Sathyabama University, Chennai during Feb 21-22, 2013 pp. 199-203
22	Process Integration on Adulteration Liquid Test & Automatic Bleaching Control in Paper and Pulp Industry	S.Saranya V.Yegneshwar R.Nithya M.Karthikeyan Dr.S.Vijayachitra	National Conference on Emerging Trends in Electrical Science at IRTT, Erode during Feb 27-28, 2013. Pp-319-321
23	Computational Modeling of a Plug-in Standalone Battery Driven Electric Vehicle	M.Karthik Dr.S.Vijayachitra K.V.Poovizhi	National Conference on Power System Electronics and Drives (PSPED-2013) at SSN College of Engg, Chennai during March 1-2, 2013
24	An Optimal Control Strategy for the Cold Start Power Production from a Hydrogen Fuel Cell	M.Karthik Dr.S.Vijayachitra R.Sathish	National Conference on Power System Electronics and Drives (PSPED-2013) at SSN College of Engg, Chennai during March 1-2, 2013
25	Fuzzy Techniques for optimization of industrial process	M.Pravin Kumar Dr.S.Vijayachitra	National Level Conference on 'Control Systems' (NLCCS-2013) at Erode Sengunthar Engg College, Thudupathy on 12.04.13
26	Automation of De-ink Pulp	Dr.S.Vijayachitra	National Level Conference on

	Receiving Chest	V.M.Hari R.Gowthami V.Deepika	"Advances in Computational Intelligence and Instrumentation Technology" (ACIIT-2013) at KEC, Perundurai on 04.04.13
27	Industrial Process Integration for control and automation: A Review	M.Karthikeyan S.Vijayachitra	National Level Conference on "Recent trends in Industrial Automation (RTIA-14) at Dr.MCET, Pollachi during 21.03.14 to 22.03.14 .pp.81-87
28	Optimization of Basis Weight and Online Weight and Length Measurement	M.Karthikeyan S.Vijayachitra	National Level Conference on "Energy, Environment and Material (EEM-15) at Bannari Amman Institute of Technology, Sathy during 06.04.14 .pp.81-87
29	Modelling and Real time Fault Diagnosis in Shell and Tube Heat Exchanger	S.Monisa S.Vijayachitra	National Level Conference on "Recent Trends in Information Technology (NCRTIT'16) at PSG College of Technology, Coimbatore, Jan-29-30, 2016, pp-14-19
30	Neuro-Fuzzy Technique Based Fault Detection and Diagnosis	S.Monisa S.Vijayachitra	National Conference on "Advanced Computational Intelligence and Information Technology (ACIIT-2016) at Kongu Engineering College on 17.03.2016. pp-36-40.
31	A Decentralized Localization Approach for Energy Conservation in Wireless Sensor Networks	S.Nithya N.Mahesh S.Vijayachitra	National Conference on "Advanced Computational Intelligence and Information Technology (ACIIT-2016) at Kongu Engineering College on 17.03.2016. pp-69-72.
32	Real Time Fault Detection and Analysis using Fuzzy Logic for Double Pipe Heat Exchanger	N.Nithya S.Vijayachitra	National Conference on "Trends in Engineering Applications" at Velalar College of Technology, Erode on 10.03.2018. pp-51-56.
33	Multilevel Secret Inclusion in Color Image Sharing with Steganography	N.Gunasekar S.Vijayachitra	National Conference on "Emerging trends in communication, computing and embedded networking" at Dr.N.G.P. Institute of Technology, Coimbatore-641048 on 23.03.19. pp.43
34	Study and Analysis of Electrocoagulation Process and Solar Energy System for Waste water treatment in Industry 4.0 Perspective: Recent Perspectives and Future Trends	M.Karthikeyan S.Vijayachitra	National Conference –ICSSR Sponsored NC on "Industry 4.0 : Recent Perspectives and Future Trends" at Kongu Engineering College on 30-31, July, 2021

d). Books

S.No	Title of the Book	Name of the Publishers	Year of publication
1.	Industrial Instrumentation-II	New Age International Publications, New Delhi	2003
2.	Industrial Instrumentation	New Age International Publications, New Delhi	2004
3.	Industrial Instrumentation (Revised)	New Age International Publications, New Delhi	2009 ISBN13: 9781466672406
4.	Communication Engineering	Tata Mc Graw Hill Publishers, New Delhi	April 2013 ISBN13: 9781-25900686-9
5.	A Chapter titled " Diagnosis of ANGINA using Neuro-Fuzzy Technique" in a book on "Fuzzy Expert Systems for Disease Diagnosis"	IGI Global Publications, USA	November 2014 ISBN13: 9781466672406 Chapter-12 pp-333-368
6.	Transducers Engineering	Prentice Hall of India (PHI) Publishers, New Delhi	July 2016 ISBN : 978-81-203-5253-7

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- Orchid ID: https://orcid.org/my-orcid?orcid=0000-0003-0817-0963

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- Google Scholar ID: https://scholar.google.com/citations?hl=en&authuser=1&user=ghf24SEAAAAJ

- Microsoft Researcher ID: https://academic.microsoft.com/author/421263677/