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Publications

1.	Fuzzy Lagrange interpolation method for cisplatin drug release
	L Swaanika, MT Vijay, R Sujatha, D Nagarajan
	AIP Conference Proceedings 2282 (1), 020012, 2020
2.	A comprehensive study of personalized garment design using fuzzy logic
	CCT Loon, J Kavikumar, D Nagarajan, V Yuvaraj
	AIP Conference Proceedings 2282 (1), 020002, 2020
3.	Fuzzy whole hybersoft set and their application in frequency matrix multi attribute
	decision making technique (MADMT)
	MS Bavia, D Nagarajan, M Lathamaheswari, J Kavikumar
	AIP Conference Proceedings 2282 (1), 020010, 2020
4.	Markov chain long run probabilities for estimation of traffic flow
	R Sujatha, G Kuppuswami, D Nagarajan
	AIP Conference Proceedings 2282 (1), 020005, 2020
5.	Element EDGE Quadrature Method for 4 Node Quadrilateral Element for the
	Evaluation of Element Stiffness Matrix
	S Johnson, T Jeyapoovan, D Nagarajan
	International Journal of Computational Materials Science and Engineering, 2020
6.	OXYGEN INJECTION IOT DEVICE AND METHOD
	ARB D.NAGARAJAN, E.DEENADAYALAN
	IN Patent 345,720, 2020
7.	An empirical evaluation of recent texture features for the classification of natural
	images
	A Suruliandi, JC Kavitha, D Nagarajan
	International Journal of Computers and Applications 42 (2), 164-173, 2020
8.	Fuzzy Optimization Techniques by Hidden Markov Model with Interval Type-2
	Fuzzy Parameters
	D Nagarajan, J Kavikumar, M Lathamaheswari, N Kumaresan
	International Journal of Fuzzy Systems 22 (1), 62-76, 2020
9.	Economic fish production inventory model for perishable fish items with the
	detoriation rate and the added value under pentagonal fuzzy number

	CSDN V. Kuppulakshmi
	complex and Intelligent systems, 2020
10.	
	DN L. Swaanika M. Tharun Vijay, R. Sujatha
	AIP Conference Proceedings 2282 2282, 2020
11.	Fuzzy whole hybersoft set and their application in frequency matrix multi attribute
	decision making technique (MADMT)
	JK M. Sagaya Bavia1, D. Nagarajan, M. Lathamaheswari
	AIP Conference Proceedings 2282 2282, 2020
12.	Markov chain long run probabilities for estimation of traffic flow
12.	DN R. Sujatha, G. Kuppuswami
	AIP Conference Proceedings 2282, 2020
13.	
10.	VY C. Chan Teck Loon, J. Kavikumar, D. Nagarajan
	AIP Conference Proceedings 2282 2282, 2020
14.	Composite Neutrosophic Finite Automata
1	SBFS J. Kavikumar, D. Nagara jan, S. P. Tiwari
	Neutrosophic Sets and Systems, 36, 282-291, 2020
15.	
13.	CSRSD Nagarajan
	International Journal of Neutrosophic Science (IJNS) 10 (2), 116-126, 2020
16.	Neutrosophic Environment for Traffic Control Management
10.	JK D. Nagarajan, Said Broumi
	International Journal of Neutrosophic Science (IJNS) 9 (1), 47-53, 2020
17.	A new distance measure for trapezoidal fuzzy neutrosophic numbers based on the
17.	centroids
	AB Broumi said, Malayalan Lathamaheswari, Ruipu Tan, Deivanayagampillai
	Netrosophic sets and systems 35, 478-502
18.	A Corner Point Quadrature Method for 4 Node Quadrilateral Element for the
10.	Evaluation of Element Stiffness Matrix
	TJDN Shyjo Johnson
	International Journal on Emerging Technologies 11 (4), 250-256, 2020
19.	A Corner Sampling Point Quadrature Method for 3 Node Triangular Element for
	the Evaluation of Element Stiffness Matrix in Finite Element Analysis
	DN Shyjo Johnson, T. Jeyapoovan
	International Journal of Advanced Science and Technology 29 (4), 6456 - 6468.
	2020
20.	An Sampling Point Quadrature Method for 3 Node Triangular Element for the
	Evaluation of Element Stiffness Matrix in Finite Element Analysis
	TJDN Shyjo Johnson
	International Journal of Computational Materials Science and Engineering, 2020
21.	Triangular interval type-2 fuzzy soft set and its application
	JKSB M. Lathamaheswari, D. Nagarajan
	Complex & Intelligent Systems, 2020
22.	Interval Valued Spherical fuzzy Aggregation Operators and Their Application in
	Decision Making Problem
	JK M.Lathamaheswari ,D.Nagarajan, Harish Garg
	Studies in Fuzziness and soft computing, 27-51, 2020
<u> </u>	1 <i>U</i> ' '

23.	Analyzing Age Group and Time of the Day Using Interval Valued Neutrosophic Sets
	S Broumi, M Lathamaheswari, A Bakali, M Talea, F Smarandache, Neutrosophic Sets and Systems 32 (1), 23, 2020
24.	Analyzing Age Group and Time of the Day Using Interval Valued Neutrosophic
21.	Sets
	KGA S. Broumi1, M.Lathamaheswari2, A. Bakali3, M. Talea1
	Netrosophic sets and systems 32 (2), 361-371, 2020
25.	An Intelligent Algorithm for Trapezoidal Interval Valued Neutrosophic Network
	Analysis
	FS Said Broumi, D. Nagarajan, Lathamaheswari, Mohamed Talea, Assia Bakali
26	CAAI Transactions on Intelligence Technology 1 (1), 1, 2020
26.	An Interval Valued Triangular Fuzzy Soft Sets and Its Application in Decision-
	Making Process Using New Aggregation Operator
	JK D.Nagarajana M.Lathamaheswari SaidBroumi, florintin samaranche
	Artificial Intelligence and Evolutionary Computations in Engineering System, , 2020
27.	Long-run behavior of interval neutrosophic Markov chain
	FS D. Nagarajana, M. Lathamaheswaria, Said Broumib, J. Kavikumarc
	Optimization Theory Based on Neutrosophic and Plithogenic Sets 1, 151-168,
	2020
28.	Application of Floyd's Algorithm in Interval Valued Neutrosophic Setting
	N DeivanayagamPillai, L Malayalan, S Broumi, F Smarandache, K Jacob
	Neutrosophic Graph Theory and Algorithms, 77-106, 2020
29.	Interval Type-2 Fuzzy Logic Washing Machine
	ED D. Nagarajan, M. Lathamaheswari, J. Kavikumar
	International Journal of Fuzzy Logic and Intelligent Systems 19 (4), 223-233, 2020
30.	Bellman-Ford Algorithm Under Trapezoidal Interval Valued Neutrosophic
	Environment
	DNABMTFSML Said Broumi
	Advances in Data Science, Cyber Security and IT Applications 2, 174-184,2019
31.	Fuzzy Optimization Techniques by Hidden Markov Model with Interval Type-2
	Fuzzy Parameters
	kumaresan D.Nagarajana M.Lathamaheswari J.Kavikumar
22	International Journal of Fuzzy Systems 1 (1), 1, 2019 The Square of A Directed Graph
32.	JK D.Nagarajana M.Lathamaheswari
	International Journal of Recent Technology and Engineering (IJRTE) 8 (4), 2019
33.	Distinguishable and Inverses of Neutrosophic Finite Automata
	GJYSB J.Kavikumar, D.Nagarajana M.Lathamaheswari
	Neutrosophic Graph Theory and Algorithms 1, 308-332, 2019
34.	New Algorithms for Hamiltonian Cycle Under Interval Neutrosophic
	Environment
	JK D.Nagarajana M.Lathamaheswari SaidBroumib ,Florentin Smarandache
	Neutrosophic Graph Theory and Algorithms 1 (1), 107-130, 2019
35.	Application of Floyd's Algorithm in Interval Valued Neutrosophic Setting
	KJ Nagarajan D,Lathamaheswari.M,Said Broumi,Florentin Smarandache
27	Neutrosophic Graph Theory and Algorithms 1, 77-106, 2019
36.	Estimation of Human Error using Fuzzy Relation

	L Swaanika, R Sujatha, D Nagarajan, 2019
37.	An integrated new threshold FCMs Markov chain based forecasting model for
37.	analyzing the power of stock trading trend
	UAND Kavitha Ganesan*
	Financial Innovation 1 (1), 1-19, 2019
38.	retina identification system using machin learning and multiple regression model
30.	dhiyapriya Nagarajan ,sujatha,kavikumar,boopanna
	indian journal of Public health research and development 10 (7), 188-192, 2019
39.	Implementation of N eutrosophic F unction M emberships U sing MATLAB
	Program
	MLJK S. Broumi, D. Nagarajan, A. Bakali, M. Talea, F. Smarandache
	Netrosophic sets and systems 27 (1), 44-52, 2019
40.	<u> </u>
	SB J. Kavikumar, D. Nagarajan,
	Netrosophic sets and systems 27 (1), 17-36, 2019
41.	Traffic control management using Gauss Jordan method under neutrosophic
	environment
	JK D. Nagarajan, T. Tamizhi, M. Lathamaheswari
	AIP Conference Proceedings 2112, 2012 (1), 020060-64, 2019
42.	Estimation of Human Error using Fuzzy Relation
	DN L. Swaanika, R. Sujatha
	International Journal of Innovative Technology and Exploring Engineering, 2019
43.	Protection Of Critical System From Botnet Based Ddos Attack using Self-
	Triggered Filters
	DN Dhivyapriya K, L. Kavisankar, Udaya Mouni Boppana
	Protection Of Critical System From Botnet Based Ddos Attack using Self, 2019
44.	Type-2 Fuzzy Controller for Stability of a System.
	DNMLJ Kavikumar
	Cybernetics and Automation Control Theory Methods in Intelligent Algorithms,
4.5	2019
45.	Intelligent System Stability using Type-2 Fuzzy Controller
	SB D. Nagarajan, J. Kavikumar, M. Lathamaheswari
	INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING 11 (1), 270-
1.0	282, 2019
46.	AnalyzingObstructive Sleep Apnea(OSA)Using Machine Perception And Wavelet taransforms
	DN Udaya Mouni Boppana, Ranjana P, Dhivyapriya International Journal of Engineering and Advanced Technology (IJEAT) 8, 2019
47.	Shortest path problem using Bellman algorithm under neutrosophic environment
47.	SBEADMTABFSDNMLR Kumar
	Complex & Intelligent Systems, 1-8, 2019
48.	Blockchain Single and Interval Valued Neutrosophic graph
70.	DNMLSBJ Kavikumar
	Netrosophic sets and systems 24, 23-35, 2019
49.	Dombi Interval Valued Neutrosophic Graph and its Role in Traffic Control
1 2.	Management
	DNMLSBJ Kavikumar
	Netrosophic sets and systems 24, 114-133, 2019
	1, 11 100, 2017

50.	Shortest Path Problem with Fuzzy, Intuitionistic Fuzzy and Neutrosophic
	Environment: An Overview
	ABML D. Nagarajan, Said Broumi, Mohamed Talea, Florentin Smarandache
51.	complex &Intelligent systems, 1-8, 2019 Retinal Degeneration Using Iris Image through Machine Learning
31.	L D.Nagarajan, R . Sujatha, J.kavikumar, Pang Change
	Retinal Degeneration Using Iris Image through Machine Learning 10 (2), 133-
	137, 2019
52.	The shortest path problem in interval valued trapezoidal and triangular
	neutrosophic environment
	SBDNABMTFSM Lathamaheswar
7.0	Complex & Intelligent Systems, 2019
53.	A new perspective on traffic control management using triangular interval type-2
	fuzzy sets and interval neutrosophic sets DNML Kavikumarc
	operations research Perspective, 2019
54.	Optimization Approach for Sensor Deployment Problem in Wireless Sensor
J-T.	Network
	R vishalpuri,rameshbabu,D.Nagarajan
	2018 International Conference on Circuits and Systems in Digital Enterprise, 2018
55.	Review on type-2 fuzzy in biomedicine
	M Lathamaheswari, D Nagarajan, A Udayakumar, J Kavikumar
	Indian Journal of Public Health Research & Development 9 (12), 322-326, 2018
56.	A Type-2 Fuzzy in Image Extraction for DICOM Image
	H D.Nagarajan, M.Lathamaheswari, kavikumar
	International Journal of Advanced Computer Science and Applications 9 (12),
57.	2018 Optimizing the Rehaviour of Web Hears Through Expectation Maximization
37.	Optimizing the Behaviour of Web Users Through Expectation Maximization Algorithm and Mixture of Normal Distributions
	kavikumar r.Sujatha,D.nagarajan, Saravanan
	International Journal of Advanced Computer Science and Applications 9 (12),
	2018
58.	Edge Detection on DICOM Image using Triangular Norms in Type-2 Fuzzy
	kavikumar Lathamaheswari,sujatha
	International Journal of Advanced Computer Science and Applications 9 (11), ,
50	2018
59.	A Review on Type-2 Fuzzy Controller on Control System
	JC M. Lathamaheswari, D. Nagarajan Journal of advanced research in dynamic &control system, 10 (11), 430-435, 2018
60.	Pattern recognition using neural network time series
00.	Nagarajan
	International journal of Engineering &technology (UAE) 7 (4), 3357-3359, 2018
61.	Tsunami wave propagation by voronoi diagram
	SRDN V. Yuvaraj
	international journal of engineering & Technology(UAE) 7 (3), 1233-1235, 2018
62.	Analytical and Numerical Modeling of Tsunami Wave Propagation for double
	layer state in Bore
	DN V. Yuvaraj, S. Rajasekaran
	Journal of Physics: Conf. Series 1000 (doi:10.1088/1742-6596/1000/1/012113,
	2018

63.	Managing wind power system location through weibull Distribution
	DDN Dr.joseph paulraj
	PERSPECTIVAS EM CIÊNCIA DA INFORMAÇÃO 22 (5), 118-123, 2017
64.	Role of satisfaction in purchase decision of durable Products -Structural Equation
	Model (SEM)
	DN Soundarapandiyan, V. Joseph Paul Raj
	Perspectivas Em Ciencia Da Informacao 22 (4), 282-288, 2017
65.	THREE DIMENSIONAL VISUALIZATION OF BRAIN USING MACHINE
	LEARNING
	D Nagarajan
	International journal of pure and applied mathematics -scopus 117 (7), 459-466,
	2017
66.	IMAGE DENOISING USING LU DECOMPOSITION AND FEATURE
	EXTRACTION USING GLCM
	DD Nagarajan
	International Journal of Advanced Research in Computer Science ,ICI 8 (7) , 2017
67.	Melanoma Detection in Dermoscopic Images using Global and Local Feature
	Extraction
	Nagarajan.,JC Kavitha, Suruliandi A
	International Journal of Multimedia and Ubiquitous Engineering 12 (5), 19-28,
	2017
68.	An n-dimensional analysis for predicting long run behavior of stock market trend
	using Fuzzy Relational Maps
	ND KavithaG, UdhayakumarA, *
	Global Journal of Pure and Applied Mathematics [scopus] 12 (1), 823-833, 2016
69.	BLOCK PROCESSING AND EDGE DETECTION FOR A DICOM IMAGE
	AGNK Nagarajan.D, Nagarajan.V
	International Journal of Pure and Applied Mathematical Sciences (IJPAMS) 9,
	2016