

Research Publications for last five years

S. No	Name of the authors	Title of the paper	Name of the Journal/Conf.	Volume & Page No.	Month & Year of Publication
Academic Year 2013-2014					
International/ National Journal					
	Dr.B.Paramasivan	Energy efficient multipath data transfer scheme to mitigate false data injection in wireless sensor networks	Computers and Electrical Engineering	Volume 39 Issue 6	August, 2013
		Survey of data aggregation techniques using soft computing in wireless sensor networks	IET Information Security	Volume 7 Issue 4	December 2013
		Authenticated group communication to mitigate collusion attack in key sharing	Information Technology Journal	Volume: 12 Issue: 1	2013
	Dr.V.Kalaivani	A Remote Healthcare Monitoring System for Faster Identification of Cardiac Abnormalities from Compressed ECG Using Advanced Data Mining	Lecture Notes in Electrical Engineering, Springer ISSN:18761100	Vol.222, pp 227-236	2013

		Approach			
	Dr.V.Kalaivani	Network Based Framework for Information Retrieval Using Feature Association with Improved Keyword Weighting Factor	International Journal of Computer Trends and Technology	Volume:4 Issue: 2	2013
	Dr.V.Kalaivani	Diagnosis of Arrhythmia Diseases using Heart Sounds and ECG Signals	Russian Journal of Cardiology ISSN:1560-4071	Vol.1(105), Engl.pp.35-41	2014
	Dr.V.Kalaivani	Analysis of EEG Signal for the Detection of Brain Abnormalities	International Journal of Computer Applications® (IJCA)	0975 – 8887	2014
	Ms.J.Naskath	Proficient Multipath Routing and Hole Handling using Cascading Movement algorithm in WSN	IJEAT	Volume:3 Issue:1	October 2013
	Ms.G.R.Hemalakshmi	Development of Algorithm for dual stage classification to estimate severity level of diabetic retinopathy in retinal images using soft computing techniques	International journal on Electrical Engineering and Informatics	Volume: 6, Issue: 4	December 2014
		Differentiation of paddy grains & analyzing the	International Journal of Emerging Technologies	-	2014

		defects in paddy grains using Image Processing			
	Mr.K.Rajkumar	Reappearance Layout based web page segmentation for small screen devices.	International Journal of Computer Applications	Volume: 49 Issue: .20	July 2012
National /International Conferences					
	Dr.B.Paramasivan	REANS: Reliable and Energy-Aware Next hop Selection Scheme for wireless sensor networks	International conference on Advanced Computing (ICoAC'13)	-	2013
		An anonymous residual energy based routing scheme for wireless sensor networks	National conference on Advances in Computing, Communications and Informatics (NCACCI 2013)	-	2013
	Dr.V.Gomathi	Unsupervised Monitoring Of Urban Land Use And Land Cover Change Detection In Multitemporal Images	International Conference on Electronics and Communication Systems(ICECS 2014)	-	2014
		Registration Technique for Medical Images	International conference on Innovations in	-	Mar 2014

		Using Fuzzy-SIFT Matching”	Information Embedded and Communication Systems(ICIECS’14)		
Dr.V.Kalaivani	Real time diagnosis of respiration rate using single lead ECG		International Conference on Biosignal, Image and Instrumentation(ICBSII-2013)	SSN College of Engineering, Chennai	March, 2013
Ms.Bhuvaneswari	Secure Data Transmission using LSB Insertion stegnography& p; RSA Cryptography”		National Conference MEPCO-IT’13	-	2013
Ms.I.MuthuSelvi	Text mining and caption generation based on user preference		National Conference NCTASA’14	-	Mar 2014
Ms.S.Arunpriya	Audio based content retrieval for blind & virtually impaired web users		National Conference	-	Mar 2014
Academic Year 2014-2015					
International/ National Journal					
Dr.B.Paramasivan, M.Kaliappan	Enhancing secure routing in Mobile Ad Hoc Networks using a Dynamic Bayesian Signaling Game model		Elsevier	Volume:41 Pages: 301-313	Jan 2015
Dr.B.Paramasivan, M.Viju Prakash, M.Kaliappan	Development of a Secure Routing Protocol using Game Theory Model in Mobile Ad Hoc		Journal of Communications and Networks	Volume:17 Issue:1	Feb 2015
Dr.B.Paramasivan,	Secure and Fair		Scientific World	Volume:2014	Mar 2014

M.Kaliappan	Cluster Head Selection Protocol for Enhancing Security in Mobile Ad Hoc Networks	Journal		
Dr.B.Paramasivan, J. Joy Winston	Sensor Relocation Technique Based Lightweight Integrated Protocol for WSN	International Journal of Distributed Sensor Networks	Volume:10 Issue:6	Jun 2014
Dr.B.Paramasivan, K. Nattar Kannan	Development of Energy-Efficient Routing Protocol in Wireless Sensor Networks Using Optimal Gradient Routing with On Demand Neighborhood Information	International Journal of Distributed Sensor Networks	Volume:10 Issue:5	May 2014
Dr.B.Paramasivan, K. Nattar Kannan	Development of Energy Efficient Routing Protocol in Wireless Sensor Networks using Probabilistic Neural Network(ERPPNN)	Australian Journal of Basic and Applied Sciences	ISSN:1991-8178	2014
Dr.B.Paramasivan K.Mohaideen Pitchai	Energy Efficient Routing Protocol for Wireless Sensor Networks using Dominating Set Theory with Minimum Cardinality Factor	INFORMATION-An International Interdisciplinary Journal	Vol. 17, Iss. 6, (Jun 2014): 2279-2288.	2014
Dr.B.Paramasivan K.Mohaideen Pitchai	Energy Efficient Low-Cost Virtual Backbone	Mathematical Problems in	Volume:2014	July 2014

		Construction for Optimal Routing in Wireless Sensor Networks	Engineering		
	Dr.V.Gomathi	A Synonymous Approach to Enhance Relevance in Search Engine	International Journal of Scientific & Engineering Research	-	2014
	Dr.V.Kalaivani	Reclamation of 2d Images from 3d Medical Resonance Images Using SWT	International Journal Of Multidisciplinary Research Centre (IJMRC) ISSN: 2454-3659(P) 2454-3861(E)	Volume I, Issue 5 October, pp.1-8	2015
	Ms.M.Jayalakshmi	An Enhanced Underground PIPELINE Water Leakage Monitoring and Detection System using Wireless Sensor Networks	IEEE Explore Digital Library	-	2014
		A Novel design on Underground Pipeline Water leakage monitoring and Detection system using Sensor-Cloud	International Journal of Applied Engineering Research	-	2014
	Ms.G.R.Hemalakshmi	Development of Algorithm for dual stage classification to estimate severity level of diabetic retinopathy in retinal images using soft computing	International journal on Electrical Engineering and Informatics	Volume:6 Issue:4	December 2014

techniques

National /International Conferences

Dr.V.Kalaivani	Detection of Diabetic Heart Diseases using ECG and PPG Signals	IEEE Sponsored 7th National Conference on Computing, Communication and Information Systems.	Sri Krishna College of Engineering and Technology, Coimbatore.	2015
Dr.V.Kalaivani	Development of Framework for the Classification of Cardiac Arrhythmia Diseases by Analyzing Big Data	IEEE Sponsored 7th National Conference on Computing, Communication and Information Systems (NCCCIS-2015)	Sri Krishna College of Engineering and Technology, Coimbatore.	2015
Ms.M.Jayalakshmi	An Enhanced Wireless Multi-Sensor Monitoring System for Corporation Water Underground Leakage Detection	IEEE R10- HTC	-	2014

Academic Year 2015-2016

International/ National Journal

Dr.B.Paramasivan	Development of a Secure Routing Protocol using Game Theory Model in Mobile Ad Hoc Networks	Journal of Communications and Networks	Volume: 17 Issue: .1	2015
Dr.B.Paramasivan	Enhancing secure routing in Mobile Ad Hoc Networks using a Dynamic Bayesian Signalling Game	(Elsevier) Journal of Computers and Electrical Engineering	Volume: 41	2015

		Model			
Dr.V.Gomathi	A Synonymous Approach to Enhance Relevance in Search Engine	International Journal of Scientific & Engineering Research	Volume: 6 Issue: .2	2015	
	A novel design on underground pipeline water leakage monitoring and detection system using sensor-cloud	International Journal of Applied Engineering Research	Volume: 10 Issue: .41	2015	
	XML Based Approach for Object Oriented Medical Video Retrieval Using Neural Networks	Journal of Medical Imaging and Health Informatics	Volume: 6 Issue: .3	2016	
DR.V.Kalaivani	Big data analysis for heart disease detection system using map reduce technique	IEEE digital library, IEEE proceedings on Computing Technologies and Intelligent Data Engineering	pp.1-DOI: 10.1109/ICCTIDE.2016.7725360	2016	
Dr.K.MohaideenPitchai	Energy Efficient Routing Mechanism for Improving Lifetime of Wireless Biosensor Networks	Journal of Pure and Applied Microbiology	Volume: 9 Special Edn	2015	
J.Naskath	ARM hardware platform for vehicular monitoring and tracking in road accident	IJRAST	Volume: 3 Issue: .4	2015	
	Secure multi owner data sharing for	IJIERT	Volume: 2	2015	

		dynamic groups		Issue: .5	
Jayalakshmi M	A novel design on underground pipeline water leakage monitoring and detection system using sensor-cloud	International Journal of Applied Engineering Research	Volume: 10 Issue: .41	2015	
Jayalakshmi M	An Enhanced Underground PIPELINE Water Leakage Monitoring and Detection System using Wireless Sensor Networks	IEEE Explore Digital Library	Volume: 3 Issue: .4	2015	
G.R.Hemalakshmi	Automated grading of diabetic retinopathy stages in fundus images using SVM classifier Automated grading of diabetic retinopathy stages in fundus images using SVM classifier	Journal of Chemical and Pharmaceutical Research Journal of Chemical and Pharmaceutical Research	Volume: 8 Issue: .1	2015	
V.Anusuya Devi	Development of DNS for Quantify the Operational Status of DNSSEC Deployment	International Journal of Applied Engineering Research	Volume: 10 Issue: .45	2015	
ShyniBeaulah M	Pharmacovigilance: An Overview of Drug Safety Monitoring in India	International Journal of Applied Engineering Research (Annexure II)	Volume: 8 Issue: .1	2015	

National /International Conferences

	Dr.B.Paramasivan	Enhancing Energy Efficiency in Mobile Adhoc Network using Agglomerative Hierarchical Clustering Technique	A Scholarly Conference on Emerging Technologies for Information Systems	-	2015
		Augmented DTN based Energy Efficient Routing Protocol for Vehicular Ad hoc Networks	IEEE Sensors 2015	-	2015
	Dr.V.Gomathi	Design of an Adaptive Coal Mine Rescue Robot using Wireless Sensor Networks	National Conference on Information Processing and Remote Computing	-	2015
		An Enhanced Underground Pipeline Water Leakage Monitoring And Detection System Using Wireless Sensor Network	ICSNS'2015	-	2015
		Cost and performance effective feature selection for person reidentification	ICCTIDE'16	-	2016
		Secure communication between wireless medical sensor networks and data servers using paillier	ICCTIDE-16	-	2016

		and Elgamal key cryptosystem			
		3rd World Summit on Accreditation	NBA-WOSA 2016	-	2016
		National Nodal Centre Conference	NNCC2016	-	2016
		Classification of land use images using deep learning networks	ICIIECS-16	-	2016
	Dr.V.Kalaivani	Big data analysis for heart disease detection system using map reduce technique	IEEE International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE)	National Engineering College,Kovilpatti	January, 2016
	D. Vijayakumar	FIR3: A Fuzzy Inference Based Reliable Replica Replacement Strategy for Cloud Data Centre	IEEE Sponsored Internation conference on Computing and Network Communications (CoCoNet15)	-	2015
		Cloud replication for healthcare	IEEECT'15	-	2015
		Modeling fuzzy based replication strategy to improve data availabiity in cloud datacenter	ICCTIDE16	-	2016
	M. Bhuvanewari	Augmented DTN based Energy Efficient Routing Protocol for Vehicular Ad hoc Networks	IEEE Sensor 2015	-	2015
		A Novel Trust based Routing Algorithm	Information Technology: Yesterday,	-	2015

		for Mobile Ad hoc Networks	Today and Tomorrow		
J.Naskath	Clustering Techniques for Vehicular Adhoc Networks Communication –A Survey	ICCTIDE16	-	2016	
R.Rajakumari	Change detection in remote sensing images using combined difference image and fuzzy c means algorithm	ICCTIDE16	-	2016	
R.Sabari Muthu Kumar	An efficient load balancing algorithm for cloud environment	ICCTRD15	-	2015	
S.Suganthi	An rule based technique for handling prepositional phrases with less ambiguity in english-tamil machine translation	INFITT 2015	-	2015	
B. Shunmugapriya	Emerging work on electronic speaking system for dumb people	ICCTIDE16	-	2016	
Dheenathayalan. S	Identification of stree from ECG signal using PNN & HMM techniques	Science and Innovative Engineering	-	2016	
R.Rajakumari,	Emprical Evaluation oof particle Filtering	ICCTIDE16	-	2016	

B. Shunmugapriya, I. Indumathy, C.Umarani	and Markov random fields image reconstruction techniques			
	An Adaptive System to assist physically challenged from tilts	ICCTIDE16	-	2016
C.Umarani	Invariant and Region based Offline Tamil Handwritten Character Recognition	National Conference on electronics signal processing communication and embedded system	-	2016
MumtajZareena M S	Dynamic resource allocatin for green clouds	VISION15	-	2015
ShyniBeaulah M	Pharmacovigilance: An Overview of Drug Safety Monitoring in India	International Conference on Emerging Trends in Engineering and Technology	-	2015
	An E - Portal for Indian Pharmacovigilance using Data Mining Techniques	International Conference on ICEECE 2015	-	2015
	Network Fault Localization with Monitoring Based Probing Tec hnique	ICEECE	-	2015
	A Novel Approach for Drug Safety System in India using Data Mining Techniques”, International Journal of Applied	International Conference on ICETSCSS	-	2015

Engineering
Research

Academic Year 2016-2017

International/ National Journal

Dr.B.Paramasivan	Load Balanced Clustering Technique in MANET using genetic algorithms	Defense Science Journal (DESIDOC)	251-258, Vol.66, No.3	2016
	Rule – Based Anomaly Detection Technique using Roaming Honey pots for Wireless Sensor Network	ETRI Journal	PP.1145-1151, Vol.38, No.6	2016
Dr.V.Gomathi	XML based approach for object oriented medical video retrieval using neural network	Medical Imaging and Health Informatics	PP.794-801, Vol.6, No.3	2016
D.Vijayakumar	Modeling Fuzzy based Replication strategy to improve data availability in Cloud Data Center	Pak. Journal of Biotechnology	PP.225-230, Vol.13	y 2016.
G.R.Hemalakshmi	An efficient approach on optic disc detection and retinal blood vessel segmentation for diabetic retinopathy based on support vector machine	Journal of Chemical and Pharmaceutical Sciences	PP.1031-1038, Vol.9, No.3	2016

		Android Application to locate and track mobile phones (AALTM) – An implementation of Location based services	International Journal of Contemporary Research in Computer Science and Technology	ISSN No:2395-5325, Vol: 2, Issue :3	2016
		Energy Aware web browsing on Hand Held Smart Devices using Attention Time Prediction	International Journal of Contemporary Research in Computer Science and Technology, 2016	ISSN No:2395-5325, Vol: 2, Issue :3	2016
	Mr.K.Maharajan	Quantum based security approach for cloud computing with load balancing	International Journal of Printing and Packaging & Allied Services	PP. 921-926, Vol:4, No:2	2016

National /International Conferences

	Dr.V.Kalaivani	Automatic weed eradication system using embedded system	International Conference on “Advanced Computing Communication Systems”	Sri Eshwar college of Engineering, Coimbatore.	April, 2017
	Dr.S.Ananthakumaran	Smart water quality monitoring in crop care system	IEEE International Conference on Innovations in Information Embedded and Communication Systems(ICIECS’16)	-	Mar 2017
	J.Naskath	An efficient CBIR using optimized texture, color and shape based	SIE.	-	April 2017

		features			
	P.Ramkumar	An efficient algorithm to mitigate the attacker nodes in MANET	EE International Conference on Innovations in Information Embedded and Communication Systems(ICIECS'16)	-	Mar 2017
Academic Year 2017-2018					
International/ National Journal					
	Paramasivana B, Gowri M	Node level anomaly mitigation through trustworthy computation based election of forwarding nodes	Journal of Ovonic Research	Vol:13, No.3, pp 161-171	2017
	Paramasivan B., VadhanaKumari S	Defense against Sybil attacks and authentication for anonymous location-based routing in MANET	Wireless Networks	Vol:23, No.3, pp 715-726	2017
	ParamasivanB,VadhanaKumari S.	Game Theory Based Defense Technique for Jamming Attacks in Mobile Ad Hoc Networks	Journal of Computational and Theoretical Nanoscience	Vol:14, No.4 pp 1735-1743	2017
	M.Bhuvaneswari, B.Paramasivan	Geographical Angular zone based optimal resource allocation and	IET Intelligent Transport system	Vol:12, No.3 pp 242-250	2018

		efficient Routing protocols for VANET			
J.Naskath, B.Paramasivan	Location optimization using genetic algorithm in VANET	International journal of vehicle systems	-	2017	
Dr.V.Kalaivani	Analyzing Social Media Data for Understanding Students Learning Experiences and Predicting their Psychological Pressure	International Journal of Pure and Applied Mathematics(Scopus Indexed)	Volume 118 No. 7, pp.513-521. ISSN: 1314-3395	2018	
Dr.V.Kalaivani	Phonocardiographic Signal and Electrocardiographic Signal Analysis for the Detection of Cardiovascular Diseases	Biosciences Biotechnology Research Asia	Vol. 15(1), p. 79-86	2018	
Dr.V.Kalaivani	Extraction of R-Peak from PPGsignal for diagnosis of cardiac diseases	International Journal of Pure and Applied Mathematics	Volume 118 No. 18 2018, 2979-2984	2018	
V.Anusuya Devi	An Efficient secured multicast routing protocol for wireless sensor network using identity-based Cryptography and its application in Biomedical research	Research Journal of Biotechnology	Vol:2 pp 94-101	2017	

	Dr.S.Maheswari	Performance evaluation of semantic based service selection methods	Computers & Electrical Engineering	DOI 10.1016/j.compeleceng .2017.1.0.006	2017
		Heart Disease Prediction System Using Decision Tree and Naive Bayes Algorithm	International journal of Current Medical Imaging Bentham Publishers	ISSN:1875- 6603(Online),1573-4056 (Print) Accepted for publication	2018
	G.Sivakamasundari	Classification of Leaf Diseases in Apple using Support Vector Machine	International Journal of Advanced Research in Computer Science	Vol:9, No.1, Pp 261-265	2018
	G.Sivakamasundari	Leaf Disease Classification Using Artificial Neural Networks and Decision Tree Classifier	Journal of Image Processing & Pattern Recognition Progress	Vol:5, No.1, Pp 26-32	2018
	G.R.Hemalakshmi, Dr.V.Gomathi	Fundus Image classification using wavelet based features in detection of Glaucoma	Biomedical & Pharmacology Journal	Accepted for publication	2018

National /International Conferences

	M.Bhuvaneswari, V.Jyothirbindhu	Trustworthy based secure communication for mobile adhoc	International conference on advancement in engineering, Applied sciences and management	Mumbai	2017
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		networks			
	Dr.S.AnanthaKumaran	Lane Clearance for Emergency Vehicle in VANET	EE International Conference on Soft computing and Network Security (ICSNS) 2018.	SNS college of technology. Coimbatore.	2018
	Dr.V.Kalaivani	Analyzing Social Media Data for understanding students learning experiences and Predicting their Psychological pressure	Second International Conference on Advanced Information and Communication Technology'18,	Karpagam college of Engineering, Coimbatore	2018
	Dr.K.MohaideenPitchai	A Game Theoretic Approach for Modeling Jamming attacks in delay tolerant networks	EE International Conference on Current Trends Towards Conveying Technologies,	SVS College of Engineering, Coimbatore.	2018
	Mr.D.VijayaKumar	An Enhanced approach of genetic and Ant colony based load balancing in cloud environment	EE International Conference on Soft computing and Network Security (ICSNS) 2018.	SNS college of technology. Coimbatore.	2018
	Dr.S.Maheswari	Performance Analysis of cloud storage using Chunking algorithm	EE international conference on advances in electrical, electronics, information, Communication and Bioinformatics .	Prathyusha engineering college-Chennai	2018

	Dr.V.Kavidha	Intelligent relay node pointing and network optimization schema over wireless sensor networks	EE International Conference on Soft computing and Network Security (ICSNS) 2018.	SNS college of technology. Coimbatore.	2018
	Dr.V.Gomathi	Crowd scene analysis using Deep Learning Network	EE International Conference on Soft computing and Network Security (ICSNS) 2018.	SNS college of technology. Coimbatore.	2018
Framework for advanced weather forecasting technique using DMAas in cloud		EE International Conference on current trends towards converging technologies	SVS college of Engineering .Coimbatore.		
A Survey on distance measure of supervised and unsupervised learning: Categorical Data		EE International Conference on current trends towards converging technologies	SVS college of Engineering . Coimbatore		
	Dr.B.Paramasivan	Modeling the impact of mobility for enhancing the connectivity of VANET in multilane highway environment	International Conference on Recent Trends in Engineering & Sciences,	AIP conference proceedings, Hotel Keys, Daba Gardens, Visakhapatnam,	2018