

# **Members from Anna University and Affiliated Colleges**

## **Panel Member 1- Dr.G.Tholkappia Arasu**

	Member 1
Name	Dr.G.Tholkappia arasu
Designation	Professor/HoD
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Area of specialization	Agent Oriented Programming

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### List of journal and conference publications

S.no.	Title	Year
1	Tholkappia Arasu. G, T.Tamilselvi, "Handling high web access utility mining using intelligent hybrid hill climbing algorithm based tree construction", Cluster Computing 22(1), 145-155.	2019
2	Tholkappia Arasu. G and Ramesh. K, 'Power Quality Improvement in Wind Energy System Using Seven Level Shunt Active Filter', Asian Journal of Information Technology, Volume: 17   Issue: 3   Page No.: 189-196	2018
3	Ramesh, K & Tholkappia Arasu, G 2018, 'A smart IOT system for power quality improvement in WES using Hex-Matrix shunt active filter with multi agent PWM Control', Springer Journals, Wireless Personal Communications.(Accepted on 31 <sup>st</sup> January 2018), (Impact Factor 1.20).	
4	Ramesh KUMARASAMY & Tholkappia Arasu GOVINDARAJAN, G 2018, Power quality improvement in wind energy system using HEX-STATCOM, Journal of Electrical Engineering, Volume 19, Issue no.03, pp 190-197.	
5	<b>Tholkappia Arasu, G</b> and Tamilselvi, T (2018), 'Handling High Web Access Utility Mining Using Intelligent Hybrid Hill Climbing Algorithm Based Tree Construction', Cluster Computing- The Journal of Networks, Software Tools and Applications ISSN 1386-7857.	
6	Rough set theory and fuzzy logic based warehousing of heterogeneous clinical databases R Saravana Kumar, G Tholkappia Arasu International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	2017
7	<b>Tholkappia Arasu, G</b> and Gokulakrishnan G(2017), "Segmentation and classification of hyperspectral images using CHV pattern extraction grid", Soft Computing, October 2017. - Annexure-I , Publisher-Springer, Impact Factor: 2.472	
8	<b>Tholkappia Arasu G.</b> and Naresh Kumar M. (2016), 'A Low power and Low Latency Inter Carrier Interference Cancellation Architecture in Multi user OFDM system', Journal of Scientific and Industrial Research, vol.75, july-2016, pp.427-431.	2016
9	A supervised clustering algorithm for text classification in pattern mining I Vasudevan, V Sharmila, GT Arasu Int. J. Math. Sci. Eng 2 (1), 51-60	
10	Preventing selfishness data access in wireless network MV Kumar, GT Arasu JOURNAL OF ADVANCES IN CHEMISTRY 12 (22), 5398-5402	
11	An Graph based Sentence Level Semantic Linkage Weighing Model for Efficient Text Clustering V Sharmila, P Balamurugan, GT Arasu Transylvanian Review	

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12	Human Health Aware Network Selection for Avoiding Health Disorders SC Sekaran, GT Arasu Asian Journal of Research in Social Sciences and Humanities 6 (7), 860-873	2016
13	Non-Class Element based Iterative Text Clustering Algorithm for Improved Clustering Accuracy using Semantic Ontology V Sharmila, GT Arasu, P Balamurugan Asian Journal of Research in Social Sciences and Humanities 6 (cs1), 245-257	
14	K.Ramesh & G.Tholkappia Arasu, 'Augmentation of Power Quality by Total Harmonics Reduction and Power Factor Improvement in Wind Energy System using Seven Level Shunt Active Filter', IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), e-ISSN: 2278-2834, p- ISSN: 2278-8735. Volume 11, Issue 04, Ver. II (Jul.-Aug .2016), PP 43-50.	2016
15	GPS based Mobicast Routing Protocol for Underwater Sensor Networks MV Kumar, GT Arasu, K Kumar Asian Journal of Research in Social Sciences and Humanities 6 (10), 1727-1735, 2016	
16	<b>Tholkappia Arasu G.</b> and Senbagavalli M. (2016), 'An Efficient Feature Selection Technique of unsupervised learning approach for analyzing web opinions', Journal of Scientific & Industrial Research Vol. 75, April 2016, pp. 221-224.	
17	K.Ramesh & G.Tholkappia Arasu, 'Harmonic Reduction and Power Factor Improvement Using Shunt Active Filter in Wind Power Generating System', International Journal of Electrical and Electronics Research ISSN 2348-6988 (online) Vol. 04, Issue 03, pp: (14-23), Month: July - September 2016.	
18	Ramesh, K & Tholkappia Arasu, G 2016, 'Mitigation of harmonics distortion and power factor improvement in wind energy system using UPQC', International Journal of Printing, Packaging & Allied Sciences, vol. 4, no. 4, pp. 2398-2410.	
19	<b>Tholkappia Arasu G.</b> and Revathi V. (2016), 'A Framework for Health Care By using Multi-Agent System', International Journal of Advance Engineering Technology, Vol. VII, no. II, PP. 946-949.	
20	<b>Tholkappia Arasu G.</b> and Vettrivelan L.P. (2016), 'A Novel Analysis of Hydrothermal Scheduling Using Genetic Algorithm with Emission Cost', Asian Journal of Information Technology, E-ISSN 1682-3915, P-ISSN 1993-5994.	2016
21	<b>Tholkappia Arasu. G</b> and Ramesh. K, (2016) 'Power Quality Improvement in Wind Energy System Using Seven Level Shunt Active Filter', Asian Journal of Information Technology.	
22	<b>Tholkappia Arasu G.</b> and Senbagavalli M. (2016), 'Opinion Mining for Cardiovascular Disease using Decision Tree based Feature Selection', Asian Journal of Research in Social Sciences and Humanities –Vol. 6, No. 8, August 2016, pp. 891-897, ISSN 2249-7315.	
23	Selvamani, I & Tholkappia Arasu. G, 'Computer Aided System for Detection and Classification of Breast Cancer', Current Medical Imaging	

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	Reviews, Vol.11, No.2 (2015) pp. 77 - 84.	
24	Tholkappia Arasu Govindharajan and Revathi Vaithiyanathan, 'User preference-based automatic orchestration of web services using a multi-agent', International Journal of Computer and Electrical Engineering, vol. 45, pp. 68-76.	2015
25	Vettrivelan. L.P and <b>Tholkappia Arasu. G</b> , 'A Survey on Various Optimization Methods Applied for Solving Short-Term Hydrothermal Coordination Problems', Australian Jnl of Basic and Applied Sciences, Vol 9, Number 11 (2015) pp. 8-13.	
26	Selvamani, I & Tholkappia Arasu. G, 'Performance Analysis of Tumor Diagnosis System for Mammogram Screening', International Journal of Applied Engineering Research, Vol.10, No.50(2015) pp.353-363.	
27	Vettrivelan. L.P and <b>Tholkappia Arasu. G</b> , 'Short Term Hydrothermal Scheduling Using Dynamic Programming and Genetic Algorithm', International Journal of Applied Engg. Research, Volume 10, Number 3 (2015) pp. 8101-8112.	
28	Inbavalli. M and <b>Tholkappia Arasu G</b> (2015), 'A Survey of Recent Data Mining Applications and Research Perspectives', International Conference on Power, Circuit and Information Technologies, Rajarajeshwari College of Engineering, Bangaluru, April 2015.	
29	Raj Kumar. P and <b>Tholkappia Arasu G</b> (2015), 'Improved Methodology for Effectiveness and Efficiency of Online Image Re-ranking', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015.	
30	Jagadeesan. M P and <b>Tholkappia Arasu G</b> (2015), 'Automatic Test Packet Generation for Network Testing and Debugging', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015	
31	Kalpna Pathak and <b>Tholkappia Arasu G</b> (2015), 'Design and Characterization of Double Gate FinFET with Low Thershold Voltage', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015.	2015
32	Arthi. M, Senbagavalli. M and <b>Tholkappia Arasu G</b> (2015), 'Diligence Shrewd Provincial Sweeping Authority for Cloud Backup Services of Personal Storage', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015.	
33	Saravana Kumar. R and <b>Tholkappia Arasu. G</b> (2015), 'Modified Particle Swarm Optimization Based Adaptive Fuzzy K-Modes Clustering for Heterogeneous Medical Databases', Journal of Scientific and Industrial Research (JSIR) JSIR Vol.74 [2015] pp.19-28.	
34	Automatic orchestration of web services with QoS using multi agents GT Arasu, Chennai	

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35	An intelligent agent based framework for disease diagnosis using artificial intelligence techniques GT Arasu, Chennai	
36	Revathi. V and <b>Tholkappia Arasu. G</b> (2014), 'Application For Aiding Stray Folks By Using Multi-Agent Based Composed Framework', International Journal of Applied Engineering Research, Volume 9, Number 27 (2014) pp. 9532-9536.	2014
37	Naresh Kumar. M and <b>Tholkappia Arasu. G</b> (2014), 'Channel Estimation For OFDM System With Time Varying Channels And Modified-CGTLS', International Journal of Applied Engineering Research, Volume 9, Number 27 (2014) pp. 9576-9578.	
38	Senbagavalli. M and <b>Tholkappia Arasu. G</b> (2014), 'A Computational Modeling Of Epidemics Using Susceptible-Exposed-Infected-Recovered-Deceased Model', International Journal of Applied Engineering Research, Volume 9, Number 27 (2014) pp. 9433-9437.	
39	Ratnamala Kiruba. H and <b>Tholkappia Arasu. G</b> (2014), ' Hybrid Intelligent Agent –Based Architecture For Chronic Liver Ailments', International Journal of Applied Engineering Research, Volume 9, Number 27 (2014) pp. 9493-9499.	
40	Rajavignesh .R and <b>Tholkappia Arasu G.</b> and S.Vidivelli (2014), 'Agent Based Decision Support System using Improved k-Nearest Neighbor Classifier for Effective Diagnosis of Heart Disease', Australian Journal of Basic and Applied Sciences, vol 64, no 3.	
41	<b>Tholkappia Arasu G.</b> and Revathi.V (2014), 'Orchestration of web services based on TQoS using User and Web Services Agent', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
42	Jegadeesan M P and <b>Tholkappia Arasu G</b> (2014), 'Agent Based Textile Design Simulation Tool', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
43	Sudarsanam P, Mahesh T.R and <b>Tholkappia Arasu G</b> (2014), 'Analyzing Different Job Scheduling in Grid Computing', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
44	Sabari S. and <b>Tholkappia Arasu G.</b> (2014), 'Analysis of ZVS Active Clamped Current feed Full Bridge DC-DC Converter for PMDC Drives using ANN', Int. Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
45	An intelligent--agent based framework for liver disorder diagnosis using artificial intelligence techniques. HR Kiruba, GT Arasu Journal of Theoretical & Applied Information Technology 69 (1)	2014
	Pattern based classification for text mining using fuzzy similarity algorithm.	

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	V Sharmila, I Vasudevan, GT ARASU Journal of Theoretical & Applied Information Technology 63 (1)	
46	Data Management and Data Analysis Interoperability In Medical Research RS Kumar, GT Arasu IJAICT 1 (6), 528-533	

## List of Publications in international conference

S.no.	Title	Year
1	<b>Tholkappia Arasu G.</b> and Nareshkumar. M. (2017), 'Receiver Design for Downlink Multi Carrier CDMA Systems' International Conference on CONTIT'2017, AVS College of Technology, April 2017.	2017
2	<b>Tholkappia Arasu G.</b> and Revthi V. (2015), 'A Framework For Donation By Composing SOAP, Non-SOAP & Non-Web Services', International Conference on Engineering & Applied Science at Vetri vinayaha College of Engineering & Technology, Trichy.	2015
3	<b>Tholkappia Arasu G</b> and Inbavalli. M (2015), 'A Survey of Recent Data Mining Applications and Research Perspectives', International Conference on Power, Circuit and Information Technologies, Rajarajeshwari College of Engineering, Bangaluru, April 2015.	
4	<b>Tholkappia Arasu G</b> and Jagadeesan. M P (2015), 'Automatic Test Packet Generation for Network Testing and Debugging', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015.	2015
5	<b>Tholkappia Arasu G</b> and Kalpana Pathak (2015), 'Design and Characterization of Double Gate FinFET with Low Thershold Voltage', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015.	
6	<b>Tholkappia Arasu G</b> , Senbagavalli. M and Arthi. M (2015), 'Diligence Shrewd Provincial Sweeping Authority for Cloud Backup Services of Personal Storage', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with Nizwa College of Technology, Oman, April 2015.	
7	<b>Tholkappia Arasu G</b> , and Senbagavalli, M (2015) 'Optimization of Human Liver Cancer using Fuzzy Inference for Micro Array Gene Data', International Electrical Electronics and Computer Engineering, Vivekanandha College for Women, Thiruchengode	
8	<b>Tholkappia Arasu G.</b> and Revthi V. (2014), 'A Transforming User Interface for Mobile and Web Applications', International conference on EMICS at Maria College of Engineering and Technology, Kanyakumari.	
9	<b>Tholkappia Arasu G.</b> and Senbagavalli M. (2014), 'An Efficient Anonymization approach for Handling Structural Re-identification of	

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	Sensitive Data', International Conference on Trends in Technology for Convergence (TITCON 2014), A.V.S Engineering College.	
10	<b>Tholkappia Arasu G</b> and Jegadeesan M P (2014), 'Agent Based Textile Design Simulation Tool', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	2014
11	<b>Tholkappia Arasu G</b> and Mathvin Ramnath S (2014), 'Thermal Imaging using Facial Signature Authentication for Accurate Face Recognition', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
12	<b>Tholkappia Arasu G</b> and Sabari S. and. (2014), 'Analysis of ZVS Active Clamped Current feed Full Bridge DC-DC Converter for PMDC Drives using ANN', Int. Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
13	<b>Tholkappia Arasu G</b> and Sudarsanam P, Mahesh T.R and (2014), 'Analyzing Different Job Scheduling in Grid Computing', International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem in association with University of Oulu, Finland, April 2014.	
14	<b>Tholkappia Arasu G</b> and Chandra Sekaran S (2014) "A Study on Biological effects in Human Body by Radiations from Cell Phones and Base Stations", International Conference on Trends in Technology for Convergence 'TITCON-2014, AVS Engineering College, Salem in association with University of OULU, Finland.	
15	<b>Tholkappia Arasu G.</b> and Vinoth Kumar.M (2013), 'Analysis of Agent Based Programming for Important Information Extraction', International Conference on Innovation in Communication, Information and Computing.	2013
16	<b>Tholkappia Arasu G.</b> and Revthi V. (2013), 'Orchestration of Web Services With Multiple QoS Constraints Using Goal Based Agents.', International Conference on Suitable Approaches for Green Computing, Economy & Environment in association with IEEE & ICTACT, held at Vinayaka Mission's Kirupananda Variyar Engineering College, Salem.	2013
17	<b>Tholkappia Arasu G.</b> and Poongodi D. and. "Multi-Agent Based Sequence Algorithm for Detecting Plagiarism in Java Source code using Abstract Syntax Tree", SAGCEE'13, Dec 2013, VMKV Engineering College, Salem.	
18	<b>Tholkappia Arasu G.</b> and Poongodi D "A Survey on Plagiarism Detection in Source code Using Abstract Syntax Tree", ICCBDA'13, Jan 2013, PSG College of Technology, Coimbatore.	
19	<b>Tholkappia Arasu G.</b> and Senbagavalli M. (2013), 'A Survey on Opinion Mining Using Clustering Algorithms', International Conference on Sustainable Approaches for Green Computing, Economy & Environment (SAGCEE13) 9-11, VMKV Engineering College, Salem.	
20	<b>Tholkappia Arasu G.</b> and Vinoth Kumar.M (2012), 'An Agent based tool for extracting information in distributed Networks', International	

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	Conference on Advanced Computing Technology	
<b>21</b>	<b>Tholkappia Arasu G.</b> and Vinoth Kumar.M (2012), 'Analysis of Intelligent Agent for artifact removal of EEG signals', International Conference on recent Advancement and Trends in Computer Science Engg Management and security	<b>2012</b>