

PROFILE OF THE FACULTY

I. Personal Information

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| 1. Name | : Dr. R. THANGARAJAN |
| 2. Qualification | : Ph.D. |
| 3. Designation | : Professor |
| 4. Department | : Information Technology |
| 5. Area of specialization | : Algorithms, Theoretical Computer Science and Language Processing |
| 6. Years of Experience | : 24 Years |
| 7. Number of PhD Students Guided | : 9 (6-Completed, 1-Submitted Thesis and 2-Pursuing) |
| 8. DOB & Age as on 31.05.2017 | : 14.04.1968, 51 years and 10 months |
| 9. Gender | : Male |



Journal papers published*: Last 5 years

Sl. No.	Academic year	Title of the paper	Journal Name (if it is SCI journal, mention it)	Vol./ Issue/ pp.	Authors	Impact factor
1	2020	Detection of Replica Node attack Based on Exponential Moving Average Model in Wireless Sensor Networks	Wireless Personal Communications	115, 1651–1666	Anitha, S., Jayanthi, P. & Thangarajan, R.	1.2
2	2020	A Novel Technology for Machine to Machine Communication using ETHEREUM Smart Contracts	Journal of Critical Reviews	7(13), 917-921	M.M. Ramyasri R.Thangarajan	---
3	2020	Mutated k-means algorithm for dynamic clustering to perform effective and intelligent broadcasting in medical surveillance using selective reliable broadcast protocol in VANET	Computer Communications (SCI)	Vol.150 pp563-568	M Ramalingam, R Thangarajan	2.766
4	2020	Enhancing the Classification Accuracy in Sentiment Analysis with Computational Intelligence Using Joint Sentiment Topic Detection with MEDLDA	Intelligent Automation and Soft Computing (SCI)	Vol.26(1) pp71-76	R Thangarajan PCD Kalaivaani	0.790

5	2020	An Enhanced Model Based on Orthogonal Function and Geometric Regularities for Medical Image Compression Using Non-Subsampled Contourlet-Bandelet Transform	Journal of Medical Imaging and Health Informatics (SCI)	Vol 10(1) pp21-29	K Sinivasamoorthi, R Thangarajan	0.499
6	2019	RTS-ELM: an approach for saliency-directed image segmentation with Ripplet transform	Pattern Analysis and Application, Springer Nature. (SCI)	https://doi.org/10.1007/s10044-019-00800	Diana Andrushia A., Thangarajan R.,	1.410
7	2018	Aiding the Digital Mammogram for Detecting the Breast Cancer Using Shearlet Transform and Neural Network	Asian Pacific Journal of Cancer Prevention	19(9), pp. 2665-2671	Shenbagavalli P, Thangarajan R	---
8	2018	Informative Gene Selection for Cancer Classification with Microarray Data Using a Metaheuristic Framework	Asian Pacific Journal of Cancer Prevention	19 (2), pp. 561-564.	Pyingkodi M, Thangarajan R	---
9	2017	Functional Brain correlates of risk for major depression in children and young adults	International Journal of Engineering Technologies and Management Research.	4(11), pp. 25-35	N. Senthilkumar, R. Thangarajan	---
10	2017	Advanced Heuristics for Selecting Friends in Social Internet of Things	Wireless Personal Communications, Springer (SCI)	97(4), pp. 4951-4965	R. Thangarajan, A. Archuda	1.2
11	2017	GCCR: An Efficient Grid Based Clustering and Combinational Routing in Wireless Sensor Networks	Wireless Personal Communications, Springer (SCI)	97(1), pp.1075-1095.	K. Lalitha, R. Thangarajan, Siba K. Udga ta, C. Poongodi, Ambika Prasad Sahu,	1.2
12	2017	An Efficient Visual Saliency Detection Model based on Ripplet transform	Sadhana, Indian Academy of Sciences (SCI)	42(5), pp. 671-685	AD Andrushia, R Thangarajan	0.465
13	2017	Weight Value Based Clustering for Dissemination of Emergency Message with Selective Reliable Broadcasting in VANETs	Asian Journal of Research in Social Sciences and Humanities	7(1), pp. 492-500	M Ramalingam R Thangarajan	---
14	2016	Enhancing the Classification Accuracy in Sentiment Analysis using Joint Sentiment Topic Detection with Naïve-Bayes Classifier	Asian Journal of Research in Social Sciences and Humanities	6(12), pp. 105-116	PCD Kalaivaani R Thangarajan	---
15	2016	A Study of Broadcasting Protocols and its Performance in VANETs	International Journal of Emerging Engineering Research and Technology	4(3), pp. 1-10	M Ramalingam R Thangarajan	---

16	2016	Using Joint Sentiment Topic Detection with Bigrams to improve the classification in Weakly Supervised Sentiment Analysis	International Journal of New Innovations in Engineering and Technology	4(3), pp. 74-80	PCD Kalaivaani, R Thangarajan	---
17	2016	Multi-Objective Clustering Technique with Polar Coordinates and Delivery Guarantees in Wireless Sensor Networks	International Journal of Printing, Packaging & Allied Sciences,	4(1), pp. 344-351	K. Lalitha, R. Thangarajan S. Ponni	---

a. Conference papers published (Last 3 years)

Sl. No.	Academic year	Title of the paper	Name of the conference and organization	International / National	Month & year	Authors
1.	2019	A Novel Technology for M2M Communication using Ethereum Smart Contracts	AICTE Sponsored International Conference on Recent Trends and Challenges in Healthcare Informatics (RICHI 2019)	International	Dec. 2019	Dr. R. Thangarajan Ms. MM Ramyashri
2.	2019	Classification of Signal of Interest vs. Background Processes in High Energy Physics using Deep Neural Networks	Proceedings of 2 nd International Conference on Emerging Trends in Computing and Expert Technology, COMET 2K19. – Panimalar College of Engineering, Chennai	International	March 2019	M. Mythili, R. Thangarajan, N. Krishnamoorthy
3.	2017	Radial Shaped Clustering – A Novel Technique for Life Span Elongation of WSN	IEEE Sponsored International Conference on Science, Technology, Engineering and Management – Jeppier Engineering College,	International	April 2017	S. Ponni R.Thangarajan
4.	2017	Enhanced K-Nearest Neighbor Classifier for Big Data	International Conference on Recent Trends in Engineering, Science and Technology – Sri Ramanathan Engineering College, Tirupur	International	March 2017	M.I. Thufail Ahamed R. Thangarajan
5.	2017	<u>Contrast enhancement scheme for visual saliency detection</u>	International Conference on Signal Processing and Communication (ICSPC) – Karunya University, Coimbatore	International	July 2017	A Diana Andrushia, R Thangarajan
6.	2017	<u>Center bias enhanced visual saliency detection method</u>	4 th International Conference on Signal Processing, Communication and Networking (ICSCN) - MIT Chennai	International	March 2017	A Diana Andrushia, R Thangarajan
7.	2016	<u>Program length based estimated facts assembly with minimal information loss in Wireless sensor networks</u>	3 rd International Conference on Advanced Computing and Communication Systems (ICACCS), Coimabtoe	International	January 2016	K Lalitha, V Manju Barkavi, R Thangarajan, K Sree Preethi

8.	2016	Traffic Classification in SDN based on Naïve Base Classifier	IEEE Sponsored 3 rd International Conference on Innovations in Information, Embedded and Communication Systems - Karpagam	International	March 2016	K. Priya darshini R. Thangarajan
9.	2015	<u>Top down scene context based visual attention model for natural images</u>	2 nd International Conference on Electronics and Communication Systems (ICECS) -	International	February 2015	A Diana Andrushia, R Thangarajan
10.	2015	Efficient anomaly detection and mitigation in software defined networking environment	2 nd International Conference on Electronics and Communication Systems (ICECS) - Karpagam College of Engineering, Coimbatore	International	February 2015	R Sathya, R Thangarajan