

**Dr. Baskaran Ramachandran**  
Associate Professor  
Department of Computer Science and Engineering  
Anna University, Chennai

S.NO.	PUBLICATION	YEAR
1	Enhancing the Insulation of Transformer Winding Using Nano-Alumina/Epoxy Composites BG Babu, DP Winston, GP Pillai, PV Rajan, MR Kannan Solid State Technology 63 (5), 4078-4087	2020
2	SL2E-AFRE: Personalized 3D face reconstruction using autoencoder with simultaneous subspace learning and landmark estimation PRS Devi, R Baskaran Applied Intelligence, 1-16	2020
3	Performance evaluation of a tubular bowl centrifuge by using laser obscuration method as an online measurement tool A Kumar, V Subramanian, S K. Velaga, J Kodandaraman, PN Sujatha, ... Separation Science and Technology 55 (10), 1839-1851	2020
4	Abnormal gait recognition using exemplar based algorithm in healthcare applications M Sivarathinabala, S Abirami, R Baskaran INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2020
5	A novel ODV crossover operator-based genetic algorithms for traveling salesman problem PV Paul, C Ganeshkumar, P Dhavachelvan, R Baskaran Soft Computing, 1-31	2020
6	CBCS-Comic Book Cover Synopsis: Generating Synopsis of a Comic Book with Unsupervised Abstractive Dialogue-MSK Devi, S Fathima, R Baskaran Procedia Computer Science 172, 701-708	2020
7	Multipath Routing Strategy for Reducing Congestion in WSNS MJ Kumar, B Ramachandran Intelligent Computing in Engineering, 561-567	2020
8	SYNC—Short, Yet Novel Concise Natural Language Description: Generating a Short Story Sequence MSK Devi, S Fathima, R Baskaran ICT Analysis and Applications: Proceedings of ICT4SD 2019, Volume 2 2, 235	2020
9	SYNC—Short, Yet Novel Concise Natural Language Description: Generating a Short Story Sequence of Album Images Using Multimodal Network MSK Devi, S Fathima, R Baskaran	2020

	ICT Analysis and Applications, 235-245	
10	Identifying the Influential User Based on User Interaction Model for Twitter Data C Suganthini, R Baskaran International Symposium on Signal Processing and Intelligent Recognition ...	2019
11	Technical analysis on security realization in web services for e-business management P Muthukrishnan, V Sakthivel, B Ramachandran, K Srihari Information Systems and e-Business Management, 1-12	2019
12	Security enhancement for software defined network using game theoretical approach TP Anithaashri, G Ravichandran, R Baskaran Computer Networks 157, 112-121	2019
13	Enhancement of video streaming analysis using cluster-computing framework J Arthanari, R Baskaran, Cluster Computing 22 (2), 3771-3781	2019
14	Enhancement of QOS Parameters in Cluster-Based Wireless Sensor Network Using Cooperative MIMO R Guhan, U Hari, B Ramachandran Wireless Communication Networks and Internet of Things, 187-195	2019
15	AEGEUS++: an energy-aware online partition skew mitigation algorithm for mapreduce in cloud V Kumaresan, R Baskaran, P Dhavachelvan Cluster Computing 21 (2), 1243-1260	2018
16	Latency Reduction In WTLS Using Game Theoretical Approach TP Anithaashri, R Baskaran International Journal of Taga Journal of Graphic Technology	2018
17	Multi-objective Optimisation of Multi-robot Task Allocation with Precedence Constraints. K Padmanabhan Panchu, M Rajmohan, R Sundar, R Baskaran, Defence Science Journal 68 (2)	2018
18	Route planning integrated multi objective task allocation for reconfigurable robot teams using genetic algorithm KP Panchu, M Rajmohan, MR Sumalatha, R Baskaran Journal of Computational and Theoretical Nanoscience 15 (2), 627-636	2018
19	Predict-act congestion control (pacc) in wireless sensor networks for routing MJ Kumar, B Ramachandran, Journal of Computational and Theoretical Nanoscience 15 (1), 133-140	2018
20	A Survey on Learning Models with Respect to Human Behavior Analysis for Large-Scale Surveillance Videos M Sivarathinabala, S Abirami, R Baskaran Computational Intelligence Applications in Business Intelligence and Big ...	
21	Adsorption of Hexavalent Chromium in Industrial Water Using Pithecellobium Dulce Bark A Muthulakshmi, R Baskaran RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES 8	2017
22	ANALYZING A PERSONALIZED NETWORK SYSTEM THROUGH NETFLOW MJ Kumar, B Ramachandran IIOAB JOURNAL 8 (2), 147-153	2017

23	A Study on Security and Surveillance System Using Gait Recognition RB M Sivarathinabala, S Abirami Intelligent Techniques in Signal Processing for Multimedia Security, 227-252	2017
24	Prism tree shape representation based recognition of offline Tamil handwritten characters MAR Raj, S Abirami, S Murugappan, R Baskaran Proceedings of the First International Conference on Computational ...	2017
25	AEGEUS: An online partition skew mitigation algorithm for mapreduce RB Vimalkumar Kumaresan Proceedings of the International Conference on Informatics and Analytics, 100	2016
26	Fault Tolerant Event Subscription Model for Smart Communities KK Kannan, R Baskaran Proceedings of the International Conference on Informatics and Analytics, 1-6	2016
27	Navigation Framework for Autonomous Mobile Robots V Suganya, R Baskaran, M Deivamani Proceedings of the International Conference on Informatics and Analytics, 1-6	2016
28	Survey and Analysis of web service Composition Strategies: A state of art performance study J Amudhavel, U Prabu, P Inbavalli, N Moganarangan, V Ravishankar, ... Indian Journal of Science and Technology 9 (11)	2016
29	Enhancing multi-user network security using sagacity and dismissal of conquered movements (SDCM) TP Anithaashri, R Baskaran Journal of Computational and Theoretical Nanoscience 13 (1), 69-78	2016
30	An effective and customized itinerary planning system using association rule mining technique with personalized points of interest M Krishnamurthy, D Sudha, YN Rao, R Baskaran, A Kannan Circuits and Systems 7 (07), 1120	2016
31	A Distributed Spanning Tree-Based Dynamic Self-Organizational Framework for Web Server J Amudhavel, U Prabu, N Saravanan, P Dhavachelvan, R Baskaran, ... Proceedings of the Second International Conference on Computer and ...	2016
32	Intelligent detection and classification of microcalcification in compressed mammogram image B Joseph, B Ramachandran, P Muthukrishnan Image Analysis & Stereology 34 (3), 183-198	2015
33	ONTOLOGY ASSISTED SEMI-SUPERVISED BUG REPORT CLASSIFICATION. S Kumaresh, R Baskaran Journal of Theoretical & Applied Information Technology 78 (2)	2015
34	DEVELOPING A HIGH PERFORMANCE REAL TIME PEOPLE DETECTION SYSTEM HA Fadhil, AB Alkhodre, H Alyousef Journal of Theoretical and Applied Information Technology 78 (2), 147	2015

35	Non-homogeneous hidden Markov model approach for load balancing in web server farms (NH <sup>2</sup> M <sup>2</sup> -WSF) J Amudhavel, U Prabu, P Dhavachelvan, N Moganarangan, ... 2015 Global Conference on Communication Technologies (GCCT), 843-845	2015
36	A comprehensive analysis and performance assessment on QoS aware web service selection algorithms J Amudhavel, U Prabu, P Dhavachelvan, N Moganarangan, ... 2015 Global Conference on Communication Technologies (GCCT), 846-849	2015
37	Web Service Composition Framework using Petrinet and Web Service Data Cache in MANET M Deivamani, SR Murugaiyan, V Ravisankar, PV Paul, R Baskaran, ... International Journal of Computers Communications & Control 10 (2), 174-187	2015
38	Efficient Routing in Mobile Adhoc Networks Emphasizing Quality of Service by Trust & Energy based AODV S Sridhar, R Baskaran Journal of Communications Software and Systems 11 (1), 1-7	2015
39	Mining software repositories for defect categorization S Kumares, R Baskaran Journal of Communications Software and Systems 11 (1), 31-36	2015
40	A krill herd optimization based fault tolerance strategy in MANETs for dynamic mobility J Amudhavel, N Mohanarangan, P Dhavachelvan, R Baskaran, ... 2015 International Conference on Circuits, Power and Computing Technologies ...	2015
41	A bio-inspired artificial bee colony approach for dynamic independent connectivity patterns in VANET R Baskaran, MSS Basha, J Amudhavel, KP Kumar, DA Kumar, ... 2015 International conference on circuits, power and computing technologies ...	2015
42	A fault tolerant distributed self organization in peer to peer (p2p) using krill herd optimization J Amudhavel, D Sathian, RS Raghav, L Pasupathi, R Baskaran, ... Proceedings of the 2015 International Conference on Advanced Research in ...	2015
43	A Review on Optimization Techniques used in Mobile Ad-Hoc Networks S Sridhar, R Baskaran, International Journal on Application of Information and communication ...	2015
44	Web Service Message Contract Validation using Server Logs at Implemen-tation level M Priyadharshini, T Vimala, R Baskaran, KM Bharathi International Journal of Applied Engineering Research 10 (13), 33336-33340	2015
45	Automatic Genre Classification from Videos RB S Karthick, S Abirami, S Murugappan, M Sivarathinabala Artificial Intelligence and Evolutionary Algorithms in Engineering Systems ...	2015
46	View Invariant Human Action Recognition Using Improved Motion Descriptor RB M Sivarathinabala, S Abirami, Computational Intelligence in Data Mining-Volume 3 3, 545-554	2015
47	A novel e-learning management system for appropriate recommendations on the learning contents JD Lazarus, B Ramachandran, K Arputharaj Recent advances in intelligent technologies and information systems, 16-45	2015

48	Knowledge Discovery from Unstructured Software Defect Reports Using Text Mining S Kumares, R Baskaran International Journal of Applied Engineering Research 10 (2), 1243-1245	2015
49	Statistical features based character recognition for offline handwritten Tamil document images using HMM S Abirami, V Essakiammal, R Baskaran International Journal of Computational Vision and Robotics 5 (4), 422-440	2015
50	An automatic web service composition framework using QoS-based web service ranking algorithm D Mallayya, B Ramachandran, S Viswanathan The Scientific World Journal 2015	2015
51	Software development life cycle model to inculcate exception handling S Velmourougan, D Ponnurangam, B Ramachandran International Journal of Computer Aided Engineering and Technology 7 (3 ...	2015
52	Video-based face recognition and face-tracking using sparse representation based categorization S Nagendra, R Baskaran, S Abirami Procedia Computer Science 54, 746-755	2015
53	Multi-label learning with class-based features using extended centroid-based classification technique (CCBF) PRS Devi, R Baskaran, S Abirami Procedia Computer Science 54, 405-411	2015
54	Ant based trustworthy routing in mobile ad hoc networks spotlighting quality of service S Sridhar, R Baskaran American Journal of Computer Science and Information Technology (AJCSIT) 3 ...	2015
55	A normalized approach for service discovery G Sambasivam, V Ravisankar, T Vengattaraman, R Baskaran, ... Procedia Computer Science 46, 876-883	2015
56	Energy-and trust-based AODV for quality-of-service affirmation in manets S Subramaniam, B Ramachandran Artificial intelligence and evolutionary algorithms in engineering systems ...	2015
57	Data storage optimization in cloud environment M Deivamani, R Vikraman, S Abirami, R Baskaran Artificial intelligence and evolutionary algorithms in engineering systems ...	2015