

**Dr. Balakannan S. P.**

*List of Publications of Last 5 years*

- S. P. Balakannan, M. Maragatharajan, M. Venkatesulu, “Health Care Analysis using Block Chain Technology”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-9, Issue-1S4, Pages 543-545, December 2019.
- Senthil Kumaran. S, Balakannan S. P, “Open Source Internet of Things Platforms”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-9, Issue-2S2, Pages 875-878, December 2019.
- Suprakash S, Balakannan S P, “Reusing Old Computers – An Environment Friendly Method to Produce Computational Performance”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-8, Issue-4S2, Page 686-691, December 2019.
- C Bala Subramanian, M Maragatharajan, S P Balakannan, “Predicting Product Purchase using Linear Classification Algorithms”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-8, Issue-4S2, Page 699-705, December 2019.
- M. Maragatharajan, C. Balasubramanian, S. P. Balakannan, “Node Selection Strategy for Reliable Data Transmission in Manet using Semi Markov Process for Multicast Routing Protocol” , International Journal of Innovative Technology and Exploring Engineering(TM), Volume-8, Issue-4S2, Page 717-722, December 2019.
- C Bala Subramanian, J Hemalatha, S P Balakannan, S Geetha, “Improving Image Steganalyser Performance using Second Order SPAM Features Extracting through Contourlet Page 3 of 7 Transform”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-9, Issue-1S4, Pages 137-143, December 2019.
- M. Maragatharajan, C. Balasubramanian, S. P. Balakannan, “Reliable Data Delivery in Manet using Adaptive Demand Driven Routing Protocol and Semi Markov Process”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-9, Issue-2S2, Page 781-787, December 2019.
- Suprakash S, Balakannan S P, Sugumar V R, Manoj Kumar R, Viswanathan K, “Biometric Attendance for Classrooms – A Real-Time Implementation”, International Journal of Innovative Technology and Exploring Engineering(TM), Volume-9, Issue-2S2, Page 803-806, December 2019.
- S. Suprakash, Balakannan S.P, “Utilization of Customers idle Resources: An Architectural Model for Data Center Power and Load Reduction”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, 07-Special Issue, 2019.

- Bala Subramanian C, Balakannan S.P, "Scan and Z-Curve Trajectory for Mobile Anchor in Localization of Wireless Sensor Network", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-3, 2019.
- Hariharasitaraman S, Balakannan S.P, "A dynamic data security mechanism based on position aware Merkle tree for health rehabilitation services over cloud", Journal of Ambient Intelligence and Humanized Computing - Springer, DOI: <https://doi.org/10.1007/s12652-019-01412-0>, ISSN 1868-5137, 2019.
- S. Suprakash, Balakannan S.P, "Service Level Agreement Based Catalogue Management and Resource Provisioning in Cloud for Optimal Resource Utilization", Mobile Networks and Applications - Springer, <https://doi.org/10.1007/s11036-019-01382-9>, Online ISSN 1572-8153, 2019. (IF:2.49)
- S. Suprakash, Balakannan S.P, "Service Level Agreement Based Catalogue Management and Resource Provisioning in Cloud for Optimal Resource Utilization", Mobile Networks and Applications - Springer, 2019. (IF:2.49)
- Karuppasamy, M, Balakannan S.P, An improving data delivery method using EEDD algorithm for energy conservation in green cloud network, Soft Computing - Springer, 2019. (DOI:10.1007/s00500-019-04027-x)
- Karuppasamy M, Balakannan S.P, "Energy Efficient Data Delivery in Green Cloud Networks" Lecture Notes in Electrical Engineering -Springer, DOI: [https://doi.org/10.1007/978-981-13-0776-8\\_29](https://doi.org/10.1007/978-981-13-0776-8_29), Volume 511, PP 313-321, 2018.
- M Maragatharajan, C Balasubramanian, S.P Balakannan, A Secured MANET using Position based Opportunistic Routing and Semi Markov Process, Journal of Concurrency and Computation: Practice and Engineering, DOI:10.1002/cpe.5047, 2018.
- Suprakash S, Balakannan S.P, "A Power Efficient Virtual Machine Consolidation For Saving Carbon Footprint Using Meta Heuristic Algorithms", International Journal of Pure and Applied Mathematics, Volume 119, No. 16, PP:4027-4034, 2018.
- Karuppasamy M, Suprakash S, Balakannan S.P, "Energy-Aware Resources Allocation for an Unceasing Green Cloud Environment" IEEE Xplore, DOI: 10.1109/I2C2.2017.8321878, March 2018.
- Maragatharajan M, Balakannan S.P, "A Secured MANET using Multicast Routing protocols and Semi Markov Process", Journal of Cyber Security and Mobility, Volume 7, Pages 53-68, January 2018.
- Karuppasamy M, Balakannan S.P, "Energy Saving from Idle Cloud Resources for a Sustainable Green Cloud Computing Environment", Journal of Cyber Security and Mobility, Volume 7, Pages 95-108, January 2018.

- S.Nisha, Balakannan S.P, “An Energy Efficient Self Organizing Multicast Routing Protocol for Internet of Things”, IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS’17)”, 978-1-5090-4776-5, 2017.
- M.Maragatharajan, Balakannan S.P, “Analysis of Multicast Routing Protocols for secure Manet”, IEEE International Conference on “Intelligent Techniques in Control, Optimization & Signal Processing (INCOS’17)”, IEEE Explore, 978-1-5090-4776-5,257-262, 2017.
- Bala Subramanian C, Balakannan S.P, “Optimized Trajectory Planning for Mobile Anchors in Wireless Sensor Networks”, IEEE International Conference on “Intelligent Techniques in Control, Optimization & Signal Processing (INCOS’17)”, 978-1-5090-4776-5, 2017.
- Hariharasitaraman, Balakannan S.P, “On Fractal Way of Checking Data Storage Integrity in Cloud Storage”, IEEE International Conference on “Intelligent Techniques in Control, Optimization & Signal Processing (INCOS’17)”, 978-1-5090-4776-5, 2017.
- Karuppasamy M., Suprakash S., Balakannan S.P, “Energy Efficient Utilization of Cloud Resources Using Hybrid Ant colony Genetic Algorithm for a Sustainable Green Cloud Page 4 of 7 Environment”, IEEE International Conference on Engineering and Technologies – ICET16, Dec2016.
- Divya N, Suprakash S, Balakannan S.P, “An efficient VM Consolidation using Penguin Search Optimization Algorithm (PeSOA) for making Cloud Greener”, 978-1-4673-9939-5/16 IEEE, 2016. (Impact Factor: 0.7)