LIST OF PUBLICATIONS

List of Journal Publications

1. Shanthi ThangamManukumar, VijayalakshmiMuthuswamy, (2019) "A Novel Multi-Objective Efficient Offloading Decision Framework in Cloud Computing for Mobile Computing Applications", Wireless Personal Communications, pp. 1-18.**(SCI Indexed, Impact Factor : 1.2)**UGC No. 33023https://link.springer.com/article/10.1007/s11277-019-06348-4

2. MalathyE.M ,VijayakalshmiMuthuswamy, (2018)" State of art: vertical handover decision schemes in next-generation wireless network", Journal of Communications and Information Networks, published by Springer Singapore. Vol. 3, Issue 1, pp. 43-52. https://link.springer.com/article/10.1007/s41650-018-0009-2

3. Dinesh Komarasamy, VijayalakshmiMuthuswamy, (2018) "Priority scheduling with consolidation based backfilling algorithm in cloud", World Wide Web, published by Springer Publications. Vol. 21, Issue 6, pp. 1453-1471.https://www.springerprofessional.de/en/priority-scheduling-with-consolidation-based-backfilling-algorit/15876406**(SCI Indexed, Impact Factor :)**UGC No. 33206

4. S. Muthurajkumar, M. Vijayalakshmi, A. Kannan and S. Ganapathy,(2018) "Optimal and Energy Efficient Scheduling Techniques for Resource Management in Public Cloud Networks", National Academy Science Letters, published by Springer Publications. Vol. 41, Issue 4, pp. 219-223.https://link.springer.com/article/10.1007/s40009-018-0658-6.**(SCI Indexed, Impact Factor : 0.519)**UGC No. 37249

5. VijayalakshmiMuthuswamy, E.M.Malathy (2017), "Approximation design scheme for vertical handover in Next Generation Wireless Network", International Journal of Advanced Research in Basic Engineering Sciences and Technology, Scientific Committee Publishers, Vol. 3, Issue 32, pp. 83-86. **(Impact Factor:5.023)**

6. N.Senthamarai, M Vijayalakshmi (2017), "Dynamic Resource Allocation Based on Energy Consumption Using HVFS Model in Cloud Computing", Journal of computational and theoretical Nanoscience,**(Annexure I)**, American Scientific Publishers, Vol. 14, Issue 4, pp. 1837-1843 . https://doi.org/10.1166/jctn.2017.6513**(Scopus Indexed)**UGC No. 6874

7. S. Muthurajkumar, M. Vijayalakshmi, S. Ganapathy, A. Kannan (2017), "An Intelligent Secured and Energy Efficient Routing Algorithm for MANETs", Wireless Personal Communications, **(Annexure I)**, **Springer Publishers,** Vol. 96, Issue 4, pp.1753-1769. https://doi.org/10.1007/s11277-017-4266-4**(SCI Indexed, Impact Factor : 1.2)**UGC No. 33023

8. S. Muthurajkumar, M. Vijayalakshmi, S. Ganapathy, A. Kannan (2017), "Optimal and Energy Efficient Scheduling Techniques for Resource Management in Public Cloud Networks", National Academy Science Letters, Springer Publishers, Vol. 2017, Issue 2017, pp.219–223,https://doi.org/10.1007/s40009-018-0658-6**(SCI Indexed, Impact Factor : 0.519)**UGC No. 37249

9. S. Muthurajkumar, M. Vijayalakshmi, A. Kannan (2017), "Secured Data Storage and Retrieval Algorithm Using Map Reduce Techniques and Chaining Encryption in Cloud Databases", Wireless Personal Communications, **(Annexure I)**, **Springer Publishers,** Vol. 96, Issue 2, pp. 5621 - 5633.https://doi.org/10.1007/s11277-017-4437-3 **(SCI Indexed, Impact Factor :1.2)**UGC No. 33023

10. D.Ruby, M.Vijayalakshmi and A.Kannan (2017), "Intelligent Relay Selection and Spectrum Sharing for Cognitive Radio Networks", Cluster Computing, **(Annexure I)**, **Springer Publishers,** Vol. 20, Issue 4, pp. 1-12. https://doi.org/10.1007/s10586-017-1102-2 **(SCI Indexed, Impact Factor :1.601)**UGC No. 16014

11. Dinesh Komarasamy, VijayalakshmiMuthuswamy (2017), "ScHeduling of jobs and Adaptive Resource Provisioning (SHARP) approach in cloud computing", Cluster Computing,**(Annexure I)**, **Springer Publishers,**pp. 1-14.**https://doi.org/**10.1007/s10586-017-0976-3 **(SCI Indexed, Impact Factor :1.601)**UGC No. 16014

12. Neelaveni, P, Vijayalakshmi, M, (2016)" Bayesian Method to Detect Duplicate chunks for Source Local Deduplication in Cloud Backup Services", Applied Mathematics and Information Sciences, **(Annexure I)**, Natural Sciences Publishing, Vol. 10, Issue 6, pp. 2327-2335.http://dx.doi.org/10.18576/amis/100636**(Scopus Indexed, ISI Impact Factor 2013: 1.232, RG Impact Factor: 0.94) Nov 2016**UGC No. 15976

13. Shalini Lakshmi A J, Vijayalakshmi M (2016), "A Survey On Computational Offloading Models In Mobile Cloud Computing", Journal of Information Technology And Sciences, MAT Publishers, Vol. 3, Issue 1, pp. 1-11.

14. N Senthamarai and M Vijayalakshmi (2016), "Dynamic VM Allocation using Adaptive Map Reduce Algorithm in Cloud Computing", Asian Journal of Information Technology, MedwellPublishers, Vol. 15, Issue 14, pp. 2392 -2398. **http://dx.doi.org/10.3923/ajit.2016.2392.2398 (Scopus Indexed)**UGC No. 41149

15. S. Muthurajkumar, M. Vijayalakshmi, A. Kannan (2016), "Energy Efficient and Optimal Cloud Storage Algorithms for Temporal Query Processing in Cloud Databases", Asian Journal of Research in Social Sciences and Humanities, **(Updated List of Journals 2016)**, Asian Research Consortium Publishers, Vol. 6, Issue 5, pp. 368-382.http://dx.doi.org/10.5958/2249-7315.2016.00123.4 .

16. S. Muthurajkumar, M. Vijayalakshmi, A. Kannan (2016), "Optimal Energy Efficient Scheduling in Public Cloud Networks", Asian Journal of Information Technology, **(Updated List of Journals 2016)**, MedwellPublishers, Vol. 15, Issue 9, pp. 1468-1471.http://dx.doi.org/10.3923/ajit.2016.1468.1471**(Scopus Indexed)** UGC No. 41149

17. Shanthi M Thangam, Vijayalakshmi M and Manju M Precillah (2016), "Resource Provisioning Algorithmsin Mobile Cloud Computing - Survey", Australian Journal of Basic and Applied Sciences, American Eurasian Network for Scientific InformationPublishers Vol. 10, Issue 2, pp. 156-161.https://ssrn.com/abstract=2791869. **(Impact Factor :2.5)**

18. VijayalakshmiMuthuswamy, S.Sandhya, S. Preethi S. Preethi and M.C.Ponni (2016), "A Mobile Cloud Application for Bus Tracking System", Australian Journal of Basic and Applied

Sciences, American Eurasian Network for Scientific InformationPublishers, Vol. 10, Issue 2, pp. 110-113. https://ssrn.com/abstract=2791806**(Impact Factor :2.5)**

19. Dinesh Komarasamy, VijayalakshmiMuthuswamy (2016), "Content-based Federated Job Scheduling algorithm in Cloud Computing", Australian Journal of Basic and Applied Sciences, American Eurasian Network for Scientific InformationPublishers, Vol. 10, Issue 2, pp. 52-59.http://www.ajbasweb.com/old/ajbas/2016/Special%201/52-59.pdf**(Impact Factor :2.5)**

20. S. Muthurajkumar, M. Vijayalakshmi, S. Ganapathy, K. Kulothungan, A. Kannan (2016), "An Intelligent Energy Efficient Cluster based Routing Protocol for Wireless Sensor Networks", Transylvanian Review, **Center Transylvanian Studies Publishers**, Vol. 24, Issue 6, **(Scopus Indexed, IF: 0.012:2014; 0.030:2015; 0.045:2016/2017)**UGC No. 35005

21. E. M. Malathy, VijayalakshmiMuthuswamy (2016), "Vertical Handover Facilitation through Queuing Model in Heterogeneous Wireless Network", International Journal of Advanced Engineering Technology, Vol. 7, Issue 1, pp. 346-348.**http://www.technicaljournalsonline.com/ijeat/VOL%20VII/IJAET%20VOL%20VII%20ISSUE%20I%20JANUARY%20MARCH%202016/20167164.pdf**

22. D Ruby, M Vijayalakshmi (2016), "Fuzzy Based Resource Allocation for Cognitive Radio Relay Networks", Asian Journal of Information Technology, MedwellPublishers, Vol. 15, Issue 7, pp. 1213- 1222.**http://dx.doi.org/10.3923/ajit.2016.1213.1222** **(Scopus Indexed)**UGC No. 41149