

## Papers published in International journals

1. S. Prakash, et al. "A novel scheduling model for computational grid using quantum genetic algorithm", *Journal of Supercomputing*, Springer US, 65(2):742-770 2013. (SCI WITH IF 1.326) (DOI: 10.1007/s11227-012-0864-9)
2. S. Prakash, et al., "Immune Genetic Algorithm for Scheduling in Computational Grid", *Journal of Bio-Inspired Computing*, 6(6), 397-408, Inderscience, 2014. (SCI WITH IF 3.969) (DOI: 10.1504/IJBIC.2014.066970)
3. S. Prakash. et al., "Maximizing Availability for Task Scheduling in Computational Grid using GA", *Concurrency and Computation: Practice and Experience*, 27(1), 197-210, John Wiley & Sons 2015. (SCIE WITH IF 1.133) (DOI: 10.1002/cpe.3216)
4. Shiv Prakash, et al. "Virtualization in Wireless Sensor Networks: Fault Tolerant Embedding for Internet of Things" *Swarm and Evolutionary Computation*. Elsevier (2018).(SCIE WITH IF 4.596)
5. Shiv Prakash, et al. "Single and Multi-objective Optimization of Euclidian TSP using a Hybrid Local Search Genetic Algorithm" *IEEE Internet of Things Journal* (2017).(SCIE WITH IF 7.596)
6. Shiv Prakash, et al. "Optimized on-line control of MMA polymerization using fast multi-objective DE." *Materials and Manufacturing Processes* (2017): 1-8. (SCIE WITH IF 2.274)
7. O. Kaiwartya, S. Prakash, A.H. Abdullah, A.N. Hassan, "Minimizing Energy Consumption in Scheduling of Dependent Tasks using Genetic Algorithm in Computational Grid," *KSII Transactions on Internet and Information Systems*,9(8),2821-2839,2015.(SCIE WITH IF 0.56) (DOI:10.3837/tiis.2015.08.004)
8. S. Prakash, "A survey on Planning Models for optimization in Heterogeneous Platform using Bio-inspired Computation," *Journal of Computational and Theoretical Nanoscience* (SCIE WITH IF 1.62), 14(5), 2122-2128, 2017.
9. S. Prakash, "Complex Systems Optimization Using Nature-Inspired Techniques," *Journal of Computational and Theoretical Nanoscience* (SCIE WITH IF 1.62), 14(5), 2129-2137, 2017.
10. S. Prakash, et al. "Underlying Practices for Optimizing High-Performance Computer Architecture Using Machine Learning: A Quantitative Survey," *Journal of Computational and Theoretical Nanoscience* (SCIE WITH IF 1.62), 14(5), 2230-2238, 2017.
11. S. Prakash, et al., "An Elitist Non-Dominated Sorting Bat Algorithm (NSBAT-II) and its Application to Multi-objective Optimization of Phthalic Anhydride Reactor," *International Journal of Systems Assurance Engineering and Management*, Springer, (SCIE), 7(3), 299-315, 2016.
12. S. Prakash et al., "A Hybrid GABFO Approach for Scheduling in Computational Grid", *International Journal of Applied Evolutionary Computation*, 5(4), IGI Global US, 2014. (DOI: 10.4018/ijaec.2014070104)
13. S. Prakash et al., "Observations on Effect of IPC in GA Based Scheduling on Computational Grid", *International Journal of Grid and High-Performance Computing (IJGHPC)*, IGI Global, 4(1), 66-79, 2012. (DOI: 10.4018/jghpc.2012010105).
14. S.Prakash, et al. "Resource Allocation and Provisioning in Computational Mobile Grid", *International Journal of Applied Evolutionary Computation*, 6(2), 1-21, 2015.(DOI: 10.4018/ijaec.2015040101).
15. S.Prakash, et al., "An Improved Fuzzy Voting Scheme for Fault Tolerant Systems", *International Journal of Applied Evolutionary Computation*, 6(2), 41-49,2015. (DOI: 10.4018/IJAEC.2015040103)
16. S. Prakash et al., "Load Balancing in Computational Grid Using Genetic Algorithm", *Int. Journal of Advances in Computing, Scientific and Academic Publishing*, 1(1),8-17, 2011. (DOI:10.5923/j.ac.20110101.02)
17. S. Prakash et al., "Energy Aware Scheduling for Dependent Task in Computational Grid using Genetic Algorithm," *International Journal of Distributed Systems and Technologies (IJDST)*,7(2),18-36, 2016.
18. M. Prasad, D.L. Li, C.T. Lin, S. Prakash, et. al., "Designing Mamdani-Type Fuzzy Reasoning for Visualizing Prediction Problems Based on Collaborative Fuzzy Clustering," *IAENG International Journal of Computer Science* 42(4), 404-411, 2015.
19. O. Kaiwartya, S. Prakash,et.al. "An Investigation on Biometric Internet Security," *International Journal of Network Security*, 19(2), 167-176, 2017.
20. O. Kaiwartya, S. Prakash "Multiple Sequence Alignment Using Genetic Algorithm and Non-Dominant Sorting Genetic Algorithm-II (NSGA II) and Variants," *Journal of Bioinformatics and Intelligent Control*, 3(4), 294-299, 2014.
21. S. Prakash, "Quality of Service Parameters Optimization in Computational Environment using Evolutionary Computation," *Journal of Bioinformatics and Intelligent Control*, 4(2), 87-92, 2015.
22. S. Prakash, "Quality of Service based Scheduling in Heterogeneous Computing Environment using Quantum Mechanics inspired Algorithm," *Journal of Bioinformatics and Intelligent Control*, 4(2), 152-156, 2015.
23. S. Prakash et al., "Characteristic of Enterprise Collaboration System and Its Implementation Issues in Business Management," *International Journal of Business Intelligence and Data Mining*, 11(5), xx, 2017.

### Papers published in International conferences:

1. S.Prakash,et.al. "Maximizing Fault Tolerance and Minimizing Delay in Virtual Network Embedding using NSGA-II", *ACM Conference Kochi, India*. (DOI:10.1145/2791405.2791522)
2. D.P. Sahu, K.Singh, S.Prakash , "Maximizing Availability and minimizing Makespan for Task Scheduling in Grid Computing using NSGA II", *IC3T-2015, Springer 2nd International Conference on Computer and Communication Technologies, Hyderabad, India*.(DOI:10.1007/978-81-322-2526-3\_24)
3. D.P. Sahu, K.Singh, S.Prakash, "Task Scheduling in Computational Grid using NSGA II", *2nd International Conference on Networks, Information and Communications 2015(ICNIC 2015)*, Bengaluru, India.
4. D.P. Sahu, K.Singh, S.Prakash , "Fault Tolerance Aware Multi-Objective Scheduling Algorithm for Task Scheduling in Computational Grid", *Fifth International Conference on Computer Science, Engineering and Applications (ICCSEA-2015)*, Chennai, India.

5. D.P. Sahu, K.Singh, S.Prakash, "Provisioning and Resource Allocation in Computational Mobile Grid using Mobile Agent", Proceeding of 3rd International Conference on Emerging Research in Computing, Information, Communications and Applications(ERCICA-2015),Bangalore,India.(DOI: 10.0.3.239/978-981-10-0287-8\_60)
6. O. Kaiwartya, S. Prakash, et.al."Secured Time Stable Geocast (S-TSG) Routing for VANETs", In Proceedings of International Conference on Advanced Computing, Networking, and Informatics, (ICACNI), Springer, Bhubaneswar, India, 23-25 June, 2015.(DOI:10.1007/978-81-322-2529-4\_17)
7. S.Prakash,et.al., "Enhancing fault tolerance and reducing delay in virtual network embedding using NSGA-II." In Computer, Communication and Control (IC4), 2015 International Conference on, 1-5. IEEE, 2015. (DOI: 10.1109/IC4.2015.7375703)
8. O. Kaiwartya, S. Prakash, et. al. "Geometry based Inter Vehicle Distance Estimation for Instantaneous GPS Failure in VANETs", ACM Conference Udaipur, 2016.
9. O. Kaiwartya, S. Prakash, et. al. "Patient Data Dissemination in Wireless Body Area Network: A Qualitative Analysis", ACM Conference Udaipur, 2016.
10. D.P. Sahu, K.Singh, S.Prakash, "Multi-objective Reliability Task Scheduling in Computational Grid", IEEE Conference, Power, Communication and Information Technology Conference (PCITC – 2015), Orissa, India