

Dr. S. Miruna Joe Amali
Professor
Department of Computer Science and Engineering
K.L.N. College of Engineering
Pottapalayam, Sivagangai District,
Tamilnadu- 630 612.

Details of Research Publications in Journals

1. Sudha, S., Baskar, S., Amali, S. M. J., & Krishnaswamy, S. Protein structure prediction using diversity controlled self-adaptive differential evolution with local search. *Soft Computing*(2015)., 19(6), 1635-1646.
2. Ashokbabu, K. J., and S. Amali. "Various Leveled Prediction and Context Adaptive Coding for Lossless Color Image Compression." *International Journal of Scientific Engineering and Technology* 4.2 (2015): 91-93.
3. Keerthika, M., and S. Miruna Joe Amali. "An Integrated Message Hiding and Message Extraction Technique for Multimedia Content Using Invisible Watermarking Technique." *International Journal on Recent and Innovation Trends in Computing and Communication* 3.5: 2702-2706.
4. Amali, S. Miruna Joe, and S. Baskar. "Surrogate assisted-hybrid differential evolution algorithm using diversity control." *Expert Systems: The Journal of Knowledge Engineering* 32.4 (2015): 531-545.
5. Kadhar, K. Mohaideen Abdul, Subramanian Baskar, and S. Miruna Joe Amali. "Diversity Controlled Self Adaptive Differential Evolution based design of non-fragile multivariable PI controller." *Engineering Applications of Artificial Intelligence* 46 (2015): 209-222.
6. Gomathi, R. Meena, and S. Miruna Joe Amali. "A Survey on Methods That Restrict The Consistency in Online Health Seeker-Clinician Intercourse.", *International journal for innovative research in science and technology*(2015)PP 2349-6010
7. Gomathi, R. Meena, and S. Miruna Joe Amali. "Disease assessment approach to deescalate the discrepancy in health aspirant--clinician conversation." *Advances in Natural and Applied Sciences* 10.10 SE (2016): 255-261.
8. Priyadarshini, S., and S. Miruna Joe Amali. "Design of an advanced method to localize tampering in image forensics." *Advances in Natural and Applied Sciences* 11.4 (2017): 56-62.
9. Sornadevi, C., and S. Miruna Joe Amali. "Fine grained opinion extraction and recommending products from online reviews." *Advances in Natural and Applied Sciences* 10.10 SE (2016): 242-249.
10. Sivaramkumar, V., Thansekhar, M. R., Saravanan, R., & Miruna Joe Amali, S. "Multi-objective vehicle routing problem with time windows: Improving customer satisfaction by

considering gap time."Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 231(7), (2017). 1248-1263.

11. S.Brindha,G.Rajeswari, M.Raghini , S.Miruna Joe Amali," Optimization Of Cluster-Chain Mobile Agent Routing Algorithm, Journal of Applied Science and Computations, 2018, pp: 98 - 104
- 12.M. Raghini , A. Benazir Begam , S.Miruna Joe Amali , S.Brindha "Trusted and Energy Efficient Clustering for Secure Communication in Wireless Sensor Network" Journal of Applied Science and Computations(2018), pp127-133
- 13.S.Brindha, Gurumithra. K, S.Miruna Joe Amali ,," Evaluating & Reporting Web ApplicationSecurity Using Automated Scanning Framework, Journal of Applied Science and Computations, 2018, pp: 57 - 65
- 14.Sivaramkumar, V., Thansekhar, M. R., Saravanan, R., & Amali, S. M. J. "Demonstrating the importance of using total time balance instead of route balance on a multi-objective vehicle routing problem with time windows" The International Journal of Advanced Manufacturing Technology, (2018)98(5-8), 1287-1306.
- 15.P.Fathima Rukshana , S.Brindha , Dr.S.Miruna Joe Amali," Profit-Driven Dynamic Cloud Pricing for Multi Server Systems Considering User Perceived Value" Journal of Applied Science and Computations,(2018) Volume 5 Issue 12 ,106-11
16. NirmalaNambikaiMary.S, Jeyadurga.P, Dr.S.Miruna Joe Amali, " Image processing to diagnose prostate cancer in early stage", Journal of Applied Science and Computations", (2018) pp127-133
17. Raghini Mohan, Miruna Joe Amali Suthanthira Amalraj, Brindha Subburaj," Analysis of Attack Scenarios in Trust Authentication Protocols" International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9, Issue-2S2, December 2019, ISSN: 2278-3075