

Papers in International Journals:

1. Erana Veerappa Dinesh, S., Valarmathi, K., “A novel energy estimation model for constraint based task offloading in mobile cloud computing”, Journal of Ambient Intelligence and Humanized Computing, 2020, 11(11), pp. 5477–5486.**Impact factor3.42.**
2. Swarna Sudha, M., Valarmathi, K., Keerthana, U., “Machine learning approach for sustainable safeguarding electronic patient record”,Journal of Green Engineering, 2020, 10(10), pp. 9763–9778.
3. EVD Subramaniam, V Krishnasamy, “Energy aware smartphone tasks offloading to the cloud using gray wolf optimization”,Journal of Ambient Intelligence and Humanized Computing, pp,1-9,2020.**Impact factor3.42.**
4. Indira, B., Valarmathi, K., “A perspective of the machine learning approach for the packet classification in the software defined network”, Intelligent Automation and Soft Computing, 2020, 26(4), pp. 795–805.**Impact factor1.276.**
5. Rajashanthi M, Valarmathi K, “Energy-efficient multipath routing in networking aid of clustering with OGFSO algorithm”, Soft Computing – Springer,DOI: [10.1007/s00500-020-04710-4](https://doi.org/10.1007/s00500-020-04710-4), Jan 2020. **Impact factor2.784**
6. Mariappan Shanthi, Valarmathi K, “A Secure Trusted Multipath Routing and Optimal FuzzyLogicforEnhancingQoS inMANETs”,WirelessPersonalCommunications,2019, <https://doi.org/10.1007/s11277-019-07016-3>. **Impact factor0.929**
7. Indira.B, Valarmathi.K. and Devaraj.D, ‘An approach to enhance packet classification performance of software-defined network using deep learning’, Soft Computing – Springer, Vol. 23, No. 18, pp. 8609-8619, DOI:10.1007/s00500-019-03975-8, 2019. **Impact factor2.784**
8. Karthikeyan, S., Vimala Devi, K., Valarmathi, K., “Design and implementation of CfoTS networks for industrial fault detection and correction mechanism” Journal of supercomputing, 2019. <https://doi.org/10.1007/s11227-019-02993-5>Sep 2019.
9. Gobi, K., Kannapiran, B., Devaraj, D., Valarmathi, K., “Design, performance evaluation and analysis of the inlet tube of pressure sensor for chamber pressure measurement” Sensor Review 39 (4) June 2019**ImpactFactor-1.566.**
10. Gobi, B Kannapiran, D Devaraj, K Valarmathi, “Design, development and

- performance evaluation of pressure sensor using eddy current displacement sensing coil”, Sensor Review, Vol.38, Issue 2, pp.248-258, 2018. **ImpactFactor-1.070.**
11. KGobi,BKannapiran,DDevaraj,KValarmathi,”Design,DevelopmentandPerformance Evaluation of Eddy Current Displacement Sensor Based Pressure Sensor with Target TemperatureCompensation”,DefenceScienceJournal,Vol.68,No.2,pp.203-209,March 2018, DOI : 10.14429/dsj.68.11765@2018, DESIDOC. **ImpactFactor-0.51.**
 12. Eranna Veerappa Dinesh,**Dr.K.Valarmathi** “A Survey on Mobile Task Offloading and Scheduling Techniques”, Journal of Advanced Research in Dynamical and Control Systems,Volume 10,Issue13,2018.(**Scopus**)
 13. Erna veerappa Dinesh.S, **K.Valarmathi**, “EDTOS: Energy-Aware Dynamic Mobile Task Offloading and Scheduling Model in Mobile Cloud Computing”, International Journal of Advanced Research Trends in Engineering and Technology, Vol 4, Special Issue 1,2017.
 14. Petchinathan, G., Valarmathi, K., Radhakrishnan, T.K., “Optimal tuning of fractional order PI controller using particle swarm optimization for pH process”, International Journal of Applied Engineering Research ,12(Special Issue 1), pp. 1-7
 15. Karthik.C. and Valarmathi.K, “Support vector regression and model reference adaptive control for optimum control of nonlinear drying process”, TAPPI Journal, Vol.15 (2), pp.111-126, 2016 **ImpactFactor-0.752.**
 16. G. Saravanakumar, K. Valarmathi, M. Pallikonda Rajasekaran, “Tuning Of Multivariable Decentralized PID Controller Using State Transition Algorithm”, Studies in Information and Control, Vol.24 , Issue 4 , pp.367-378, 2015. **ImpactFactor-0.605.**
 17. G. Saravanakumar, K Valarmathi, Willjuice Iruthayarajan, Seshadhri Srinivasan, “Lagrangian based State Transition Algorithm for tuning multivariable decentralized controller”,InternationalJournalofAdvancedIntelligenceParadigms,Vol8,Issue3,2015 .
 18. P Govindamoorthi, K Valarmathi “Classification of Faults in DTC Induction Machine using Wavelet Decomposition Method”, Indian Journal of Science and

Technology, Vol. 8 (26),2015.

19. Valarmathi,K., Arundevi,M and Mahendran, R., "Real Coded Genetic Algorithm Based Improvement of Efficiency in Interleaved Boost Converter", International Journal of Power Electronics and Drive Systems (IJPEDS) 5(4),pp.529-540,2015.
20. Radha, K. and Valarmathi, K.," Fuzzy based Self Transforming robot", ARPN Journal of Engineering and Applied Sciences, Vol. 10, No. 7, pp. 2876-2881,2015.
21. Karthikeyan, S., Vimala Devi, K. and Valarmathi, K., "Online Monitoring And Counting of Voting Using Zigbee Protocol And Cloud Computing", International Journal of Applied Engineering Research, Research India Publications ISSN 0973-4562 Vol.10, No.5, pp. 12915-12928,2015.
22. Karthik.C., Suresh.K and Valarmathi.K, "Model based control for moisture in paper making process", Advances in Intelligent Systems and Computing, Vol.324, pp. 257- 264,2015.

- nce.