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List of Journals Publications:

1. B.LakshmiPriya, **K.Jayanthi**, BijuPottakkat and G. Ramkumar,” GoogleNet based Ensemble FCNet Classifier for Focal liver lesion Diagnosis”, **IEEE Journal of Biomedical and Health Informatics**, Vol. 24, no.6, June 2020. Digital object Identifier:[10.1109/JBHI.2019.2942774](https://doi.org/10.1109/JBHI.2019.2942774), date of publication: 20th Sept. 2019, Print ISSN: 2168-2194 online ISSN 2168-2208
10.1109/JBHI.2019.2942774
2. B. Lakshmi Priya, **K. Jayanthi**, BijuPottakkat & G. Ramkumar, “ An Image Enhancement Approach to Liver Lesion Diagnosis using Unenhanced CT”, **IET Computer Vision**, DOI: 10.1049/iet-cvi.2018.5265 , Prin ISSN 1751-9632, OnlineISSN 1751-9640 Available online: 12 July 2018.
3. B. Lakshmi Priya, **K. Jayanthi**, BijuPottakkat & G. Ramkumar (2018): A Modified Framework for Multislice Image Fusion for High Contrast Liver Cancer Detection, **IETE Journal of Research**, June 2018 DOI: 10.1080/03772063.2018.1479664
4. N.Jothy, **K.Jayanthi**, R. Gunasundari, “A combined modified opportunistic Neighbour selection and vehicle localisation routing approach for improved connectivity in Indian Road scenario”, International Journal of Engineering and Technology, Vol.7, No 3.16, Special Issue no.16, July 2018.
5. Ramakrishnan Krishnan, **Jayanthi K.** Pragatheeswaran, and GoshaidasRay,”Robust Stability of Networked Load Frequency Control Systems with Time-Varying Delays”, **Electric Power Components and Systems** (Taylor and Francis Publishers), 45(3):302–314, 2017(citations No. 3), DOI 10.1080/15325008.2016.1248249
6. T.R Anagha, B.Shoba and **K.Jayanthi**, “Low complex primary and secondary synchronization signal design for LTE downlink systems”, International journal of Electrical and Electronics Engineers, vol no.9, issue no1, pp.139-145, January 2017.
7. N.Gayathri and **K.Jayanthi**, An Opportunistic CSI based handoff scheme for VANETS, International Journal of Science and Innovation Engineering and Technology, ISBN 978-81-904760 9-6, March 2017.
8. G. Vallathan , K. Balachandran and K. Jayanthi, ”Enhanced Data Security and Integrity using Contourlet Transform for Medical Images”, Indian Journal of Science and Technology, Vol 10(8), DOI: 10.17485/ijst/2017/v10i8/104011, February 2017.
9. Prashanth.B.S and **K. Jayanthi** “An Efficient Noise Cancellation Approach suitable for Respiratory Sound Signals “, Vol. 14, CIC 2016 Special Issue - International Journal of Computer Science and Information Security (IJCSIS), pp.48-50, 2016.

10. G. Vallathan, K. Balachandran and **K.Jayanthi**, Segmentation based Security Enhancement for Medical Images, Special Issue International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, pp.55-59,2016.
11. Lakshmi Priya, S. Joshi Adaikalamarie and **K. Jayanthi**, “An Effective Liver Cancer Diagnosis through Multi– Temporal Fusion and Decorrelation Stretching Techniques”, Vol. 14, Special Issue - International Journal of Computer Science and Information Security (IJCSIS), pp.22-26, 2016.
11. Thilagam.K and **Jayanthi.K**, “A Novel Chaotic MIMO-OFDM system for Improved Performance in Future Cellular Wireless Networks”, International Journal of Communications, Vol. 1, No. 1, pp.75-85,January2016.
12. Vallathan G, K.Balachandran, **K.Jayanthi**, ” Provisioning of Enhanced Medical Data Security and Quality for Telemedicine Applications”, International Journal of Intelligent Engineering and Systems, Jan 2017. DOI: 10.22266/ijies2017.xxxx.xx
13. R. Sharanya and **K.Jayanthi**, “Dynamic Power Tuning for Downlink Interference Mitigation in heterogeneous LTE networks”,ARPN Journal of Engineering and Applied Sciences, Vol.10, No.4, pp.1810-1814, March 2015.
14. Thilagam.K and **Jayanthi.K**, “Improving Cellular Performance through Modified Golden Codes Combined with a New Chaotic Modulation Scheme”, **International Journal of Wireless and Mobile Computing** (IJWMC),Vol. 7,No. 5, September 2014,(Inderscience).DOI: 7. 485-494. 10.1504/IJWMC.2014.064817.
15. Thilagam.K and **Jayanthi.K**, “A Low Complex Modified Golden Code In A Cooperative Relaying System”, International Journal of Computer Networks & Communications (IJCNC), Vol.5, No.7, June 2014. DOI: 10.5121/ijcnc.2014.6106
16. Thilagam.K and **Jayanthi.K**, “Enhancing Future Wireless Systems through Advanced PhysicalLayerMechanisms”,WSEASTransactions on Communications,Vol. 12, No. 12, December 2013,(ScopusIndexed).
17. Thilagam.K and **Jayanthi.K**, “ A Novel Chaotic Modulation Scheme in a Cooperative Relaying Scenario”, International Journal of Computer Applications (IJCA), Volume 76– No.9, August 2013.DOI: 10.5120/13273-0783.
18. **K.Jayanthi**, Subash.c, Venketesh and Samynathan,” Reduced Link Failures through Autonomous Reconfiguration System For Wireless Mesh Networks”, International Journal of Engineering and Computer Science, Vol.2, No.2, pp.288-292, Feb2013.ISSN:2319-7312.
19. Thilagam.K and Jayanthi.K, “Multiuser BER Analysis of CS-QCSK Modulation Scheme In A Cellular System”, International Journal of Wireless & Mobile Networks (IJWMN), Vol. 4, No. 6, December 2012. DOI: 10.5121/ijwmn.2012.4611
20. B.Shoba and K.Jayanthi, “Performance Improvement of MIMO OFDM systems through channel estimation”, International Journal of Wireless & Mobile Networks, Vol. 4,No. 5, pp.49-59,October2012
21. Thilagam.K and Jayanthi.K, “Analytical Evaluation of a Hybrid Chaotic Shift Keying [CS-CSK] in a CDMA System”, International Journal of Computer Applications (IJCA), Volume 54– No.15, September 2012. DOI: 10.5120/8645-2544
22. K.Jayanthi and P.Dananjayan, “Improving antijamming characteristics of spread spectrum communication systems”, Special issue on context awareness and self-managing systems - **International Journal of Autonomous and adaptive communication systems**,Inderscience publishers, vol. 5, No.1, pp.77-87, 2012. (ISSN.1744-2869) DOI:10.1504/IJAACS.2012.044775

23. S.Kalaimani and K.Jayanthi, "Spectral Entropy Based VAD Using Teager Energy Operator And HOS, International Journal Of Electronics Circuits And Systems, Vol. 1,issue no. 1, pp. 17-22, February2012.
24. PillaJagadeesh and K. Jayanthi, "A Novel resolution Enhancement scheme based on edge directed interpolation using DT-CWT for satellite Imaging applications",International Journal of Communication and Information Technology (IJCIT), Vol.2, No. 1, June 2011. (ISSN: 2218-5224). ISSN 2078-5828 (PRINT), ISSN 2218-5224 (ONLINE), MANUSCRIPT CODE:110710
25. Kumarathan.N, Jayanthi.K and Dananjayan.P, "Performance Enhancement of MC-CDMA System through STTC based STBC Site Diversity", International Journal of Computer Science and Information Technologies, vol.1, no.2, pp.86-92, 2010.(ISSN: 09759646)DOI:10.7763/IJCEE.2010.V2.105
26. K.Jayanthi and P.Dananjayan,"Channel Estimation for multi-user MIMO-OFDM system" ICFAI University Journal of Telecommunications, vol. II, No. 4, Nov.2010.
27. K. Jayanthi and Sudha Nancy, "Chaotic code optimization for interference reduction in DS-CDMA systems", International Journal of computer sciences and Engineering systems, vol.4, no.3, pp.191-195, July 2010. (ISSN: 0973-4406).
28. K.Jayanthi and P.Dananjayan, "A novel link adaptation scheme for wideband CDMA systems", ICFAI University Journal of Telecommunications, Vol.1, No.1, pp.20-36, August2009.
29. K.Jayanthi, K.Varadharajan, A.Arunkumar and P.Dananjayan, "Performance Enhancement Using Opportunistic Schedulers in Wireless Networks "IETE, Journal of research - Special issue on "Protocols for resource, link and mobility management for wireless and Satellite communication Networks", vol.52, nos.2 and 3, pp.207-213 March-June 2006 (ISSN No. 0377-2063). DOI:10.1080/03772063.2006.11416457
30. K.Jayanthi and P.Dananjayan, "Multimedia QoS Provisioning using Opportunistic Scheduling in TDMA/ CDMA Networks", **Int. J. Mobile Network Design and Innovation**, Inderscience Publishers, Vol.1, No.3/4, pp. 248-257, January 2006 (ISSN No. 1744-2869). DOI:10.1504/IJMNDI.2006.012095
31. K.Jayanthi and P.Dananjayan "Prediction Based Smart Scheduler Using Neural Network for Wireless Networks", **AMSE Journal on Signal Processing and Pattern Recognition Advances**, France, vol 49, no.3, pp.13-24, 2006 (ISSN No.0021-8936).
32. K.Jayanthi ,K.Thenmozhi and P.Dananjayan, Traffic Enforcement Mechanism in ATM using neural network", **IETE Technical Review**,vol 21, no.4, , pp.241-246, July- August 2004. (ISSN No. 0256-4602). DOI: 10.1080/02564602.2004.11417150

