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**LIST OF PUBLICATIONS ( 5 Years)**

1. Noor Mohammed , Surjan Dharmagadda, P.S. Mallick, M Surendra Kumar L. Nithyanandan, **M. Palanivelan**, NORM Technique based PAPR Reduction in MC-CDMA Systems, Journal of ICT Research and Applications, Vol.9 No 2 Dec 2015, pp.129-147  
ISSN : 0973-4562 h-index : 5 Indexed in SCOPUS  
Available online at : <http://journals.itb.ac.id/index.php/jictra/article/view/1324/1081>
2. Lakshmanan.M, Noor Mohammed, **Palanivelan.M**, Vamsi Krishna, Channel estimation for MISO OFDM system using improved cyclic delay diversity", Telecommunications and Radio Engineering, Vol.75, Iss.5, 2016, pp.425-440. Scopus Indexed.  
Available online at : <http://www.dl.begellhouse.com/journals/0632a9d54950b268,7c40fb4468d208e7,3a5b3cb11269816d.html>
3. **Palanivelan.M**, Sheila Anand, Lakshmanan.M, Noor Mohammed, "Transform based approach for peak to average power ratio optimization in MIMO-OFDM broadband wireless Systems", International Journal of Advanced Engineering Technology, Vol.7, Iss.01, pp.638-641, 2016, Technical journals online, Available online at : <http://www.technicaljournalsonline.com/>
4. Harshini Sarvotham, Logeshwari.N S.Madhumitha, **M.Palanivelan**, Modified SLM based Peak to Average Power Ratio Reduction in MIMO-OFDM systems, International Journal of Engineering and Computer Science, Vol.4, Iss.4, 2015, pp.11283-11288, Indexed in DOAJ, Global Impact Factor 0.564 (2015).
5. **Palanivelan.M**, Sheila Anand, "Subcarrier exclusion and optimal subcarrier pairing based peak to average power ratio reduction in DD-OFDM systems", Journal of Optoelectronics and Advanced Materials - Rapid Communications, Vol.10, Iss. 5-6, 2016 pp. Thomson Reuters - Science Citation Index IF :0.394.  
Available online at : <https://oam-rc.inoe.ro/articles/subcarrier-exclusion-and-optimal-subcarrier-pairing-based-peak-to-average-power-ratio-reduction-in-dd-oofdm-systems/fulltext>
6. V.Noor Mohammed, M.Lakshmanan, **M. Palanivelan**, Ankur Kar, P. Tripathy, "Mitigation of interference in MIMO Multicarrier CDMA system using Sub Carrier self cancellation for CEO Compensation" Journal of Telecommunication and Radio Engineering, vol. 75, no.13, 2016. pp. 1153-1165. IF: 0.2, Indexed in DOI: 10.1615/TelecomRadEng.v75.i13.20
7. V. Noor Mohammed ,M. Lakshmanan,S. K. Jayanth Prabu,S. Nandakumar,T. Velmurugan,**M. Palanivelan**, Analysis of ICI Cancellation in MC-CDMA system using self cancellation and

extended Kalman filter method, Telecommunications and Radio Engineering, Volume 76–Issue 7, Sep 2017 pp.591-605, Print: 0040-2508 Online: 1943-6009 , indexed in Scopus IF:0.3.

Available online at :  
<http://www.dl.begellhouse.com/en/journals/0632a9d54950b268,1b0346b02b4da952,5096f47878989c05.html>

8. Jayanthi S, Ranganathan H, **Palanivelan M**, ‘Segmenting Brain Tumour Regions with Fuzzy Integrated Active Contours’, IETE Journal of Research, May 2019. IF: 0.829, Indexed in Scopus and SCIE. <https://doi.org/10.1080/03772063.2019.1615007>.  
 Available online at : <https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1615007?journalCode=tijr20>
9. K. Senthil Kumar, R. Amutha, **M. Palanivelan**, Asher Shaji and Anchana C, D. Gururaj, S. Richard Jebasingh, M. Anitha Mary, S. Anitha, V. Savitha, R. Priyanka, Amruth Balachandran, H. Adithya, “Receive Diversity based Transmission Data Rate Optimization for Improved Network Lifetime and Delay Efficiency of Wireless Body Area Networks,” PLOS ONE, pp. 1-20, October 2018. IF: 1.123, Indexed in SCI, PUBMED and SCOPUS DOI: 10.1371/journal.pone.0206027.  
 Available online at : <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0206027>
10. K Senthil Kumar, **M Palanivelan**, M Sivaram, P Shanmugapriya, V Bakyalakshmi, “A Cyclotomic Lattice Based Closed Loop QOSTBC for Four Transmit Antennas,” International Journal of Engineering and Advanced Technology, vol. 8, no. 5S3, pp. 167-171, July 2019. Indexed in Scopus, DOI: 10.35940/ijeat.E1040.0785S319.  
 Available online at : <https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10400785S319.pdf>
11. **V. Pushpa**, **H. Ranganathan**, **M. Palanivelan**, “Error Rate Analysis of Sliding Window Algorithm in Turbo Decoding,” Applied Mathematics & Information Sciences, vol. 13, no. S1, pp. 191-203, August 2019. IF: 0.527, Indexed in Scopus. [doi:10.18576/amis/13S120](https://doi.org/10.18576/amis/13S120)  
 Online: <http://www.naturalspublishing.com/Article.asp?ArtclID=20392>.
12. **Palanivelan.M**, Lakshmanan.M and Noor Mohammed.V, “WARP Implementation of Sliding taxicab Norm Transform Technique for PAPR reduction in OFDM systems’ Telecommunication and Radio Engineering, Vol.78, No.:13, pp.1143-1165, 2019. DOI: 10.1615/TelecomRadEng.v78.i13.20. Available online at :  
<http://www.dl.begellhouse.com/journals/0632a9d54950b268,1275edab1965d22e,549c54bc1d74c496.html>
13. Cross T.Asha Wise, G.R Suresh, **Palanivelan.M** and Vani.S, ‘An Organic push pull amplifier using pentacene Thin Film for Bio-Sensing Applications’, Caribbean Journal of Science, vol.53, No.2, pp. 1473-1485, Aug 2019.
14. C.Thiruvengadam, **M.Palanivelan**, Hardware Implementation of FFT on MSR Cordic-Modified rotator allocation, International Journal of Scientific and Technology Research, vol 8 Issue 11, nov 2019 pg:3796- 3802. Available online at: <http://www.ijstr.org/final-print/nov2019/Hardware-Implementation-Of-Fft-On-Msr-Cordic-modified-Rotator-Allocation.pdf>

15. Cross T. Asha wise, G.R.Suresh, **Palanivelan.M** and S.Saraswathi, ‘Design of Pentacene-Based Organic Fields – Effect Transistor for Low-Frequency Operational Transconductance Amplifier’, Journal of Circuits, systems, and Computers, Vol.29, No.8, pp.2050181-2050198, Jan 2020. IF: 0.939, Indexed in SCOPUS and SCIE. Cite score :0.95. DOI:10.1142/s0218126620501819. Available online at: <https://www.worldscientific.com/doi/10.1142/S0218126620501819>
  
16. Noor Mohammed Vali Mohamad, M. Lakshmanan, **M. Palanivelan** & Sai Giri Ella, ‘Development of an Enhanced Secured Authentication and Key Agreement Procedure for UMTS Network’, Wireless Personal Communications, Vol.110, Issue.1, pp..467-483, January 2020. IF:0.929, Indexed in SCI and SCOPUS. Cite Score:1.28. DOI : 10.1007/s11277-019-06737-9, ISSN: 1572-834X (Online) / 0929-6212 (Print) Available online at : <https://www.springerprofessional.de/en/development-of-an-enhanced-secured-authentication-and-key-agreem/17196238>
  
17. Noor Mohammed Vali Mohamad, Rajkumar Nagarajan, Lakshmanan Muthukaruppan, Hariharan Subramaniam, Nandakumar Sendrayan, Velmurugan Thangappa, **Palanivelan Manickavelu**, “Uplink Resource Sharing and Power Management Scheme for an Underlay D2D Communication” Wireless Personal Communications, Vol.100, Issue:02, pp. 637-650, January 2020. , IF:0.929, , Indexed in SCI and SCOPUS, Cite Score:1.28 <https://doi.org/10.1007/s11277-019-06747-7>. Available online at : <https://link.springer.com/article/10.1007/s11277-019-06747-7>
  
18. J.Karthi, **M.Palanivelan**, K.Senthil Kumar, V.Asokan, Noor Mohammed. V, “ A Compact Planar UWB Antenna Design Using DGS for Wireless Applications” Journal of Xidian University , VOLUME 14, ISSUE 4, pp.3683-3691, April 2020. **Scopus Indexed.** <https://doi.org/10.37896/jxu14.4/397>. Impact Factor: 5.4.
  
19. Sheena Christabel Pravin, **M. Palanivelan**, Saravanan S, Rishab S Saxena, Saurabh Singh, “Kernel and Decision Tree Model-Based Human Activity Classification”, Journal of Xidian University , VOLUME 14, ISSUE 4, pp.5731-5738, May 2020. **Scopus Indexed.** <https://doi.org/10.37896/jxu14.5/620>. Impact Factor: 5.4.
  
20. Senthilkumar Kumaraswamy, **Palanivelan Manickavelu**, Noormohammed Valimohamad, Helanvidhya Thankaraj, Yogalakshmi Venkatesan, Bakyalakshmi Veeraragavan, “On the performance of code word diversity based quasi orthogonal space time block codes in multiple-inputmultiple-output systems”, International Journal of Electrical and Computer Engineering (IJECE), Vol. 10, No. 3, June 2020, pp. 2535~2542, DOI: 10.11591/ijece.v10i3.pp2535-2542, Indexed in SCOPUS, Impact Factor:0.8
  
21. C. Thiruvengadam, **Dr.M. Palanivelan**, Dr.K. Senthil Kumar and Dr.T. Jayasankar, “Low power approximate adder based repetitive iteration cord (LP-ARICO) algorithm for high speed applications”, Microprocessors and Microsystems, vol. 78, no. , pp. 1-10, October 2020. ISSN: 01419331, IF: 1.161, Elsevier Publications, DOI: 10.1016/j.micpro.2020.103260.

22. V. Asokan, K. Senthilkumar, M. Palanivelan, J. Karthi,&. M. Lakshmanan, Performance Analysis of DGS based Rectangular Patch Antenna for Tri-Band Applications, Telecommunication and Radio Engineering(**SCOPUS**), Vol.79, No.11, pp.963-972, Aug 2020. IF:0.203.
23. K.Muralikrishna, V.Bakyalakshmi, Dr.M.Palanivelan, R.Sathya, Design and Implementation of Various Optical Logic Gates Using Semiconductor Optical Amplifier-Mach Zehnder Interferometer Scheme and Band Pass Filters, International Journal of Advanced Science and Technology. (**SCOPUS**), Vol.29, No.8, pp.3774-3786, June 2020, IF=0.41.
24. Sheena Christabel Pravin, M. Palanivelan, Regularized Deep LSTM Autoencoder for Phonological Deviation Assessment, International Journal of Pattern Recognition and Artificial Intelligence (**SCIE, SCOPUS**), Vol. 34, No.11, pp. 2152002-1 to 2152002-26, Sep 2020, IF=1.375.
25. K. Senthilkumar, M. Palanivelan, V. Asokan, J. Karthi, M. Lakshmanan, Energy Efficient Hamming Coded Cooperative Communication, Telecommunication And Radio Engineering, Vol. 79: Issue 17: October 2020: pp. 1521-1528, SCOPUS, IF:0.4.