

**MEMBER FROM OTHER UNIVERSITY**

**DC MEMBER – 4**

NAME	: DR. J.M.MATHANA
DESIGNATION	: DEAN

**LIST OF PUBLICATION:**

1. J.M.Mathana, R.Menaka, R.Dhanagopal, B.Sundrambal,"VLSI Architecture of High Performance Multiplier for High Speed Applications" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020,page 442-445.
2. Dhanagopal R, R Menaka, Mathana J M, EricClapton, “ Anticipating the creditworthinessof an organization using R” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020, page 421-427
3. D.Subitha, J.M.Mathana,J.S.Leena, "Modified conjugate gradient algorithms for gram matrix inversion of massive MIMO downlink linear precoding"International Journal of Recent Technology and Engineering (IJRTE)ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019
4. J.M.Mathana., Krishnakumari.S, "Blood tissue onsugar level indication through chewing and swallowing from MEMS acoustic sensor and deep learning Algorithm for diabetic management",Vol.23, Issue 1, Jan 2019.DOI:10.1007/s10916-018-1115-2.
5. J.M.Mathana ,Subitha,A novel low complexity downlink linear precoding algorithm for massive MIMO systems, Cluster Computing,Springer Publications, Feb 2018.
6. J.M.Mathana ,Suvitha ,”Novel automated MOALO algorithm aided RF low-noise amplifier design for wireless applications”,Wileypublications,September 2018,DOI 10.1002/cpe4915.
7. J.M.Mathana , Subitha ,”Design of Low-Complexity Hybrid Precoder and Inkjet-Printed Antenna Array for Massive MIMO Downlink Systems”, International journal of Antenna and propagation ,Volume 2018,Article ID 4315128,doi.org/10.1155/2018/4315128

8. J.M.Mathana, K.Krishnakumari , "Acoustic analysis of Deglutition of food Using Fuzzy systems for Ingestion Behavior to Reduce Obesity" Journal of Medical Imaging and Health Informatics, American Scientific Publishers, Vol 7,1-5, 2017,January 2017,Annexure 1, Science Citation Index ,Scopus Indexed,DOI:10.1166/jmihi.2017.
9. J.M.Mathana, Varalakshmi, "A hybrid method of three dimensional elevation of models for digital terrain modeling". Fronteiras: Journal Of Social, Technological And Environmental Science. v.6 sp.1 , September, 2017<http://dx.doi.org/10.21664/22388869.2017> Scopus Indexed & Google Scholar.p310-318, ISSN: 2238-8869.
10. J.M.Mathana,"Automated smart sericulture system" Fronteiras: Journal Of Social, Technological And Environmental Science. p434-437, v.6 sp.1 2017 September, <http://dx.doi.org/10.21664/22388869.2017> Scopus Indexed & Google Scholar.p310-318, ISSN: 2238-8869.
11. J.M.Mathana, "Zero line border crossing identification and fisherman safety" Fronteiras: Journal of Social, Technological And Environmental Science. p434-437, v.6 sp.1 2017 September, <http://dx.doi.org/10.21664/22388869.2017> Scopus Indexed & Google Scholar.p789-794 , ISSN: 2238-8869.
12. J.M.Mathana, "Techno productive crop using IOT "Fronteiras: Journal of Social, Technological and Environmental Science. v.6 sp.1 2017 September, <http://dx.doi.org/10.21664/22388869.2017> Scopus Indexed & Google Scholar ,<http://dx.doi.org/10.21664/22388869.2017> Scopus Indexed & Google Scholar.p795-799,ISSN: 2238-8869
13. J.M.Mathana, "CDF based lifting scheme for satellite image compression" Fronteiras: Journal of Social, Technological and Environmental Science,<http://dx.doi.org/10.21664/22388869.2017> Scopus Indexed & Google Scholar.p815-821,ISSN: 2238-8869.
14. J.M.Mathana, "Implementation of IoT based system for data logging and controlling of industrial devices using Raspberry pi" Fronteiras: Journal of Social, Technological and Environmental Science,10.21664/2"2388869.2017 Scopus Indexed & Google Scholar.p834-843,ISSN: 2238-8869.
15. J.M.Mathana, " Design of high performance adaptive routing with optimized power in Noc, Fronteiras: Journal of Social, Technological and Environmental Science, 10.21664/22388869.2017 Scopus Indexed & Google Scholar.p887-893,ISSN: 2238-8869.

16. J.M.Mathana, “ Design of high performance adaptive routing with optimized power in Noc, Fronteiras: Journal of Social, Technological and Environmental Science, 10.21664/22388869.2017 Scopus Indexed & Google Scholar.p887-893,ISSN: 2238-8869.
17. J.M.Mathana,“Implementation of paddy crops diseases in image processing ”Fronteiras: Journal of Social, Technological and Environmental Science,10.21664/22388869.2017 Scopus Indexed & Google Scholar.p910-917,ISSN: 2238-8869.
18. J.M.Mathana,“Spectrum sensing using memo and sharing by cooperative spectrum sensing in cognitive radio”Fronteiras: Journal of Social, Technological and Environmental Science,10.21664/22388869.2017 Scopus Indexed & Google Scholar.p75-81,ISSN: 2238-8869.
19. J.M.Mathana, “ High performance 16-channel ADC with 10 bit resolutions for industrial application”,Fronteiras: Journal of Social, Technological and Environmental Science,10.21664/22388869.2017 Scopus Indexed & Google Scholar.p256-263,ISSN: 2238-8869.
20. J.M.Mathana,“ A survey on filters using evanescent mode ”Fronteiras: Journal of Social, Technological and Environmental Science,10.21664/22388869.2017 Scopus Indexed & Google Scholar.p423-433,ISSN: 2238-8869
21. J.M.Mathana B. Chandru, C. Arunachalapermal, ,“Design of Multiband Parasitic Patch Antenna for MIMO Beam Steering”, published in “International Journal of Applied Engineering Research (IJAER)”, Vol. 10 No.2 (2015) pp. 1710-1713.
22. Mathana J.M., ArunachalaPerumal. C., Chandru. B., “Design of Reconfigurable Parasitic Antenna for Single RF Chain MIMO Systems”, World Academy of Science, Engineering and Technology,2015.
23. MathanaJ.M,Beskin Jose “Range, Speed Estimation of Motion of Target Using Pulse Radar”International Journal of Applied Engineering Research, Volume 10, Issue 87, 2015.
24. Mathana J.M, Kartikeyan, “EEG based treatment for attention deficit disorder peoples”, International Journal of Applied Engineering Research, Volume 10, Issue 87, 2015.
25. Mathana J.M, Varalakshmi, “A Comparative study on digital terrain modeling for defense applications”, International Journal of Applied Engineering Research, Volume 10, Issue 87,2015.

26. Mathana J.M, Kaya Vizhi “Design of High Performance Adaptive Routing in Network-on-Chip”, International Journal of Applied Engineering Research, Volume 10, Issue 87, 2015
27. Mathana J.M, D.Subitha, “A Survey on Hardware Efficient Zero Forcing Preceding Algorithms for Massive MIMO Systems”, International Journal of Applied Engineering Research, Volume 10, Issue 87.
28. Dr. J.M.Mathana, Steffi Keran Rani .J, “High Speed VLSI Architecture for 2n Scaling of Signed Integer in RNS”, International Journal of Advent Research in Computer and Electronics (IJARCE) Vol. 2, No. 8, August 2015 E-ISSN: 2348-5523
29. Dr. J.M.Mathana, Lavanya.G.S, ,”High Performance Reconfigurable Architecture of FFT Processor For LTE Systems”, International Journal of Advent Research in Computer and Electronics (IJARCE) Vol. 2, No. 8, August 2015 E-ISSN: 2348-5523.
30. Dr. J.M.Mathana, “Range, Speed Estimation of Motion of Target Using Pulse Radar”, International Journal of Applied Engineering Research, Vol No 10, Issue 87, 2015, Scopus Indexed Journal
31. Dr. J.M.Mathana, K.Kartikeyan “EEG based treatment for attention deficit disorder peoples”, International Journal of Applied Engineering Research, Vol No 10, Issue 87, 2015, Scopus Indexed Journal,
32. Dr. J.M.Mathana, Varalakshmi “ A comparative study on digital terrain modelling for defense applications”, International Journal of Applied Engineering Research, Vol No 10, Issue 87, 2015, Scopus Indexed Journal
33. Dr. J.M.Mathana, K.Krishnakumari, “A review in Human Ingestion Behavior Monitoring system “, International Journal of Applied Engineering Research, Vol No 10, Issue 87, 2015, Scopus Indexed Journal.
34. Dr. J.M.Mathana, Kaya Vizhi “Design of High Performance Adaptive Routing in Network-on-Chip “, International Journal of Applied Engineering Research, Vol No 10, Issue 87, 2015 Scopus Indexed Journal