

## Journals

### 2016-17

1. Libimol V A, Sreekala P. Sasikumar, Dibin M. George, Arimpoorpallan O. Lindo, Neeraj K. Pushkaran, and Chandroth K. Aanandan, Radar Cross Section Reduction Property of High Impedance Surface on a Lossy Dielectric Progress In Electromagnetics Research M, Vol. 46, 19–28, 2016.
2. Neeraj K Pushkaran, Libimol V A, Sreekala PS, Sreenath S, C.K Aanandan, Tessamma Thomas” polyaniline Based Monopole antenna for Broad- band Applications”International Journal of Latest Research in Engineer- ing and Technology(IJLRET),volume-2- Issue10,October 2016,pp.41-44.
3. Libimol V.A,Sreekala P Sasikumar,Dibin Mary George and Aanandan C.K, “Radar cross section reduction property of high impedance surface on a lossy dielectric,” Progress In Electromagnetics Research M 46:19-28 January 2016
4. Novel Approach to Analyzing MFE of Noncoding RNA Sequences Tina P. George and Tessamma Thomas, August 4, 2016.
5. Neeraj K Pushkaran, Libimol V A, Sreekala P S, Sreenath S, C K Aanandan, Tessamma Thomas,”Polyaniline Based Monopole Antenna for Broad- band Applications”, International Journal of Latest Research in Engineer- ing & Technology (IJLRET),Vol. 2, 41-44, October 2016
6. Jos Prakash, Babita Jose, Jimson Mathew, and Bijoy A. Jose, “A dif- ferential quantizer based error feedback modulator for analog to digital converters,” IEEE Transactions on Circuits & Systems II, 99, 1-5, Feb. 2017.
7. Akhil P., Abhijith C. R. and Bijoy A. Jose, “Interfacing a Computer Aided Design Tool with a Multi-Function Numerical Machine,” Journal of low power electronics, 2017 (accepted)
8. V. P Sarin, M. P Jayakrishnan, P. V Vinesh, C. K Aanandan, P. Mohanan and K. Vasudevan, “An Experimental Realization of Cylindrical Cloaking using Dogbone Metamaterials”, Canadian Journal of Physics, 10.1139/cjp- 2016-0876, 2017.
9. V. P Sarin, M. P Jayakrishnan, C. K Aanandan, P. Mohanan and K. Vasudevan, “Grating- based Dipole Antenna Configuration for High Gain Directional Radiation characteristics”, Advanced Electromagnetics, Vol. 6, No. 1, pp. 36-41, 2017.
10. Anitha Ramachandran, Sumitha Mathew, Vivek Rajan and Vasudevan Kesavath,”A Compact Tri-Band Quad Element MIMO Antenna Using SRR Ring for High Isolation” IEEE Antennas and Wireless Propagation, 2016 (Accepted for publication) DOI: 10.1109/LAWP.2016.2640305 (Im- pact Factor: 1.579)
11. R. Anitha, P. V. Vinesh, K. C. Prakash, P. Mohanan, and K. Vasudevan, “A Compact Quad Element Slotted Ground Wideband Antenna for MIMO Applications” IEEE Transactions On Antennas And Propagation, Vol. 64, No. 10, October 2016. (Impact Factor: 2.459)
12. Sumitha Mathew, Mohammad Ameen, M.P. Jayakrishnan, P. Mohanan and K. Vasudevan, “Compact dual polarized V slit, stub and slot embed- ded circular patch antenna for UMTS/ WiMAX/ WLAN applications”, Electronics Letters, Vol. 52, No. 17, August 2016. ( Impact Factor: 1.07)

13. Anitha R, Sumitha Mathew, vinesh P.V, P Mohanan and Vasudevan K, "A Diversity Based Four-port MIMO Antenna Loaded with Interdigital Structure for High Isolation", IET Microwaves, Antennas & Propagation, doi: 10.1049/iet-map.2015.0828. ( Impact Factor: 0.91)
14. Titu K Samson, Manoj M G, Ajil Kottayil, Rakesh V, Rejoy Rebello, Vasudevan K, Santosh K R, Mohanan P and Mohankumar K, "Technical Aspects of 205 MHz Mini Wind Profiler Radar for Tropospheric Probing", IEEE Transactions on Geo-Science and Remote Sensing letters, Vol. 13, No. 7, July 2016. ( Impact Factor: 2.228)
15. Sarin V. Pushpakaran, Jayakrishnan M.P, Aanandan Chandroth, P. Mohanan, and Kesavath Vasudevan, "Extraordinary Transmission Technique for Microwave Antenna Applications", Journal of PhysicsD: Applied Physics, 49 (2016) 185503 (6pp), April 2016. ( Impact Factor: 2.772)
16. Prakash K.C, Vinesh P.V, Vivek R, Mohammad Ameen and Vasudevan K, "Circularly Polarised Hexagonal Patch Antenna with Polygonal Slot for RFID Applications", Journal of Communications Software and Systems, Vol. 12, No. 2, June 2016.
17. Sarin V. Pushpakaran, Anju Pradeep, Jayakrishnan M.P, Pezhohil Mo- hanan and Vasudevan Kesavath, "Tailoring the spectral response of a dogbone doublet metamaterial", Microwave and optical technology let- ters, vol. 58, No.4, April 2016. (Impact Factor:0.585)
18. V. R. Sajitha, C. M. Nijas, T. K. Roshna, Kesavath Vasudevan, and P. Mohanan, "Compact Cross Loop Resonator Based Chipless RFID Tag with Polarization Insensitivity", Microwave and optical technology letters, vol. 58, No.6, June 2016. (Impact Factor: 0.585)
19. Prakash K. C, Vinesh P.V, Jayakrishnan M. P, Dinesh R, Mohammad Ameen and Vasudevan K, "Hexagonal circularly polarised patch antenna for RFID applications", International Journal on Cybernetics & Informat- ics (IJCI) Vol. 5, No. 2, April 2016
20. Ajil Kottayil , K. Mohanakumar , Titu Samson, Rejoy Rebello, M. G. Manoj, Rakesh V, K. R. Santhosh, P. Mohanan and K. Vasudevan, "Val- idation of 205 MHz Wind Profiler Radar Located at Cochin, India Using Radiosonde Wind Measurements", Radio Science, vol. 51, No.3, 2016,doi: 10. 1002/ 2015RS005836. (Impact Factor: 1.45)
21. M.G. Manoj, Titu K. Samson, V. Rakesh, Ajil Kottayil, Rejoy Rebello, K. Mohankumar, K.R. Santosh, P. Mohanan and K. Vasudevan, "A Method of Estimating Air Vertical Velocity from Ascending Radiosondes and its Comparison with Radar Measurements", Journal of Geophysical Research Atmospheres (under revision, 2016) (Impact Factor: 5.6)
22. Karavilavadakkethil C. Prakash, Sumitha Mathew, Ramachandran Anitha, Puthiyapurayil V. Vinesh, Methapettyparambu P. Jayakrishnan, Pezho- lil Mohanan and Kesavath Vasudevan, "Circularly Polarized Dodecagonal Patch Antenna with Polygonal Slot for RFID Applications", Progress In Electromagnetics Research C, Vol. 61, 9-15, 2016. (Impact Factor: 1.229)
23. Anitha Ramachandran, Sarin V. Pushkaran, Mohanan Pezhohilil and Va- sudevan Kesavath, "A Four Port MIMO Antenna using Concentric Square Ring Patches Loaded with CSRR for High Isolation", IEEE Antennas and Wireless Propagation Letters, Vol. 15, April 2016. (Impact Factor: 1.579)

24. S Joseph, S Jacob, B Paul, S Mridula, P Mohanan, "Time-Domain Characterization of Dual Band Spiral Antenna with WMTS/UWB Application", *International Journal of Antennas and Propagation* March, 2017.
25. T K Roshna, U Deepak, P Mohanan, "A compact Coplanar 4-port MIMO antenna for high-speed UWB applications", *Antennas and Propagation in Wireless Communications (APWC), 2016 IEEE-APS, September 2016*
26. P R Mini, S Mridula, B Paul, P Mohanan, "A novel algorithm for adaptive NLMS beamformer", *International Journal of Wireless and Mobile Computing* 10 (2), 122-129, May 2016.
27. Alex Raj S. M., Abhilash S and Supriya M. H., A Comparative Study of Various Methods for Underwater Image Enhancement and Restoration, *IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) Volume 6, Issue 2, Ver. I (Mar. -Apr. 2016), PP 30-33*
28. Alex Raj S.M. and Supriya M. H. Hardware Co-simulation of Underwater Moving Object Detection using Xilinx System Generator, *International Journal of Oceans and Oceanography ISSN 0973-2667 Volume 10, Number 1 (2016), pp. 73-80*
29. Alex Raj S.M., Rita Maria Abraham, Supriya M.H., Vision-Based Underwater Cable/Pipeline Tracking Algorithms in AUVs: A Comparative Study, *International Journal of Engineering and Advanced Technology, Volume-5 Issue-4, April 2016, PP 48-52*
30. Rithu James & Supriya M H, Computationally Efficient Methods for Sonar Image Denoising using Fractional Mask, *Image Process. Int. J. (IJIP) vol.10, Iss.5, pp. 239-258, September 2016*
31. Alex Raj S. M., Rita Maria Abraham, Supriya M.H., Spatial filtering based Boundary Extraction in Underwater Images for Pipeline Detection: FPGA Implementation, *International Journal of Computer Science and Information Security, vol 14, No, 9, pp.790-794, IJCSIS ISSN 1947-5500, Pittsburgh, PA, USA, September 2016*
32. Alex Raj S. M. and Supriya M.H., Reconfigurable Platform Based Design In FPGA For Underwater Image Color Correction, Vol 8, issue 7, October 2016, *The IIOAB journal, pp 76-81.*
33. Sherin B.M. and Supriya M.H, WOA based Selection and Parameter Optimization of SVM Kernel Function for Underwater Target Classification, *International Journal of Advanced Research in Computer Science, Volume 8, No. 3, March – April 2017, pp.223-226*
34. M Gopikrishna, DD Krishna, C Gopakumar, CK Aanandan, A Novel J Slot Antenna for UWB WiMedia, *Procedia Computer Science* 93, 89-93, 2016
35. VP Sarin, MP Jayakrishnan, CK Aanandan, P Mohanan, K Vasudevan, Extraordinary transmission technique for microwave antenna applications, *Journal of Physics D: Applied Physics* 49 (18), 185503,1, 2016
36. VP Sarin, MP Jayakrishnan, CK Aanandan, M Pezhholil, V Kesavath, A Metamaterial Backed Dipole Antenna for High Gain Directional Communications, *Advanced Electromagnetics* 5 (1), 9-14, 2, 2016

37. DM George, VA Libimol, S Sreenath, PS Sreekala, CK Aanandan, High Gain Circular Sector Microstrip Patch Antenna for Millimeter Wave WLAN Applications, European Journal of Advances in Engineering and Technology 3 (9), 67-70, 2016
38. J Abraham, T Mathew, CK Aanandan, A novel proximity fed gap coupled microstrip patch array for wireless applications, Progress In Electromagnetics Research C 61, 171-178, 4, 2016
39. VP Sarin, MP Jayakrishnan, CK Aanandan, P Mohanan, K Vasudevan, Grating-based Dipole Antenna Configuration for High Gain Directional Radiation characteristics, Advanced Electromagnetics 6 (1), 36-41, 2017
40. Sreekala P S, Libimol V A, Dibin mary George, Lindo A O, Neeraj K Pushkaran, Honey John, Aanandan, C. K. Electromagnetic Interference Shielding Efficiency Enhancement of the PANI-CSA films at Broad Band Frequencies, Accepted for publication at Progress In Electromagnetics Research.