

2016 SCI Journals Publications

1. Vadakkekallathil A. Libi Mol, 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. 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.4, April 2016.
3. Anitha Ramachandran, Sarin V. Pushkaran, Mohanan Pezhilil and Vasudevan 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.
4. Sarin V. Pushpakaran, Nishamol M.S, Jayakrishnan M.P, C.K Anandan, Pezhilil Mohanan and Vasudevan Kesavath, "A metamaterial Backed dipole antenna for directional applications", *Advanced Electromagnetics*, Vol. 5, No. 1, March 2016.
5. K C. Prakash, Sumitha Mathew, R Anitha, P V. Vinesh, M P. Jayakrishnan, P Mohanan, K Vasudevan, "Circularly Polarized Dodecagonal Patch Antenna with Polygonal Slot for RFID Applications," *Progress In Electromagnetics Research C*, Vol. 61, 9–15, 2016.
6. 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.
7. Sarin V. Pushpakaran, Anju Pradeep, Jayakrishnan M.P, Pezhilil Mohanan and Vasudevan Kesavath, "Tailoring the spectral response of a dogbone doublet metamaterial", *Microwave and optical technology letters*, vol. 58, No.6, June 2016.
8. 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.
9. 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 & Informatics (IJCI)* Vol. 5, No. 2, April 2016
10. 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
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.
12. Sumitha Mathew, Mohammad Ameen, M.P. Jayakrishnan, P. Mohanan and K. Vasudevan, "Compact dual polarized V slit, stub and slot embedded circular patch antenna for UMTS/ WiMAX/ WLAN applications", *Electronics Letters*, Vol. 52, No. 17, August 2016.
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*, August, 2016.
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.
15. 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)*
 16. 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*
 17. 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”, *Progress In Electromagnetics Research PIERS*, Vol. 46, 19–28, 2016.