Profile for DC Member

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International Journals: (10)

1. GN Alsath Mohammed, S Bilvam, K Malathi, RR Kumar, N Karthik, **Henridass Arun**, (2012), "A dual band frequency and pattern reconfigurable dielectric resonator antenna", Progress In Electromagnetics Research, vol., 27, pp. 115-128.

2. M Sindhadevi, K Malathi, **A Henridass**, & AK Shrivastav, (2014), "Crosstalk reduction using defective ground plane structures in RF printed circuit boards", Arabian Journal for Science and Engineering, vol., 39 (2), pp. 1107-1116.

3. **Henridass Arun**, AK Sarma, M Kanagasabai, S Velan, C Raviteja, and MGN Alsath, (2014), "Deployment of modified serpentine structure for mutual coupling reduction in MIMO antennas", IEEE antennas and wireless propagation letters, vol., 13, pp. 277-280.

4. AK Sarma, **Henridass Arun**, M Kanagasabai, S Velan, C Raviteja, MGN Alsath, (2015), "Polarisation diverse multiple input–multiple output antenna with enhanced isolation", IET Microwaves, Antennas & Propagation, vol., 9 (12), pp. 1267-1273.

5. M Sindhadevi, M Kanagasabai, **Henridass Arun**, AK Shrivastav, (2016), "Signal integrity analysis of high speed interconnects in PCB embedded with EBG structures", Journal of Electrical Engineering & Technology, vol., 11 (1), pp. 175-183.

6. M Sindhadevi, K Malathi, **A Henridass**, AK Shrivastav, (2017), "Signal integrity performance analysis of mutual coupling reduction techniques using DGS in high speed printed circuit boards", Wireless Personal Communications, vol., 94 (4), pp. 3233-3249.

7. MGN Alsath, **Henridass Arun**, YP Selvam, M Kanagasabai, S Kingsly, S Subbaraj, (2018), "An integrated tri-band/UWB polarization diversity antenna for vehicular networks", IEEE Transactions on Vehicular Technology, vol., 67 (7), pp. 5613-5620.

8. **Henridass Arun**, MGN Alsath, (2018), "CPW fed circularly polarized wideband pie-shaped monopole antenna for multi-antenna techniques", COMPEL-The international journal for computation and mathematics in electrical and electronic engineering, vol., 37, pp. 2109-2121.

9. **Henridass Arun**, MGN Alsath, (2019), "Octagonal DGS based dual polarised ring-shaped antenna for MIMO communications", International Journal of Electronics, vol., 106 (5), pp. 756-769.

10. A. R. Rajini, J. Mouniga, **A. Henridass,** (2020), "Staked T Lines Integrated Circular Microstrip Tri-band Wearable Antenna for GSM, ISM and NATO Applications", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-4, February 2020.

International Conferences: (6)

1. Mouniga G**, Henridass A, "Lightweight and flexible microstrip 2*2 wearable antenna array for 2.45 GHz ISM Application",** in International conference on Innovative & Emerging Trends in Engineering and Technology. ICIETET-2016, Organized by Panimalar Institute of Technology, Chennai, 07th May 2016.
2. **Henridass.A**, Sindhadevi.M, Karthik.N, Gulam Nabi Alsath.M, Rajesh Kumar.R, K.Malathi, "**Defective ground plane structure for broadband crosstalk reduction in PCBs**", *International Conference on Computing, Communication and applications (ICCCA), 2012, PSNA college of engineering and technology, Dindigul,* included in **IEEE Digital library**, Digital Object Identifier-10.1109/ICCCA.2012.6179208, ISBN-**978-1-4673-0270-8.**
3. **Henridass.A**, Sindhadevi.M, Karthik.N, Gulam Nabi Alsath.M, Rajesh Kumar.R, K.Malathi, "**Crosstalk Analysis and Reduction Using Defective Ground Plane Structures in Printed Circuit Boards**", *International Conference on Science, Engineering and Technology – SET 2011, VIT University, Vellore,*ISBN-978-81-923320-3-1, Vol. 6, pp. 334- 341, 2011.
4. Gulam Nabi Alsath.M, Sridhar.B, Rajesh Kumar.R, Karthik.N, **Henridass.A**, K.Malathi, "**A Novel Approach to Obtain Pattern Reconfigurable Dielectric Resonator Antenna for WLAN**", *International Conference on Science, Engineering and Technology – SET 2011, VIT University, Vellore,* ISBN-978-81-923320-3-1, Vol. 6, pp. 350-360, 2011.
5. Karthik.N, Bhuvaneshwari.B, Rajesh Kumar.R, Gulam Nabi Alsath.M, **Henridass.A**, K.Malathi, "**Study of Beam forming Algorithms for Smart Antennas**", *International Conference on Science, Engineering and Technology – SET 2011, VIT University, Vellore,* ISBN-978-81-923320-3-1, Vol. 6, pp. 341-349, 2011.
6. Rajesh Kumar.R, Gulam Nabi Alsath.M, Karthik.N, **Henridass.A**, K.Malathi, "**Analysis of Broadband Microstrip Patch Antenna using 3D FDTD**", *International Conference on Science, Engineering and Technology – SET 2011, VIT University, Vellore,* ISBN-978-81-923320-3-1, Vol. 6, pp. 1340-1350, 2011.