List of Publications

Journal Papers (Related to Ph.D. Thesis)

1. **Mayank Agarwal** and Manoj Kumar Meshram, "Metamaterial-based dual-band microwave absorber with polarization insensitive and wide-angle performance," *AIP Advances*, vol. 8, p. 095016, 2018.

2. **Mayank Agarwal**, Ashis K. Behera, and Manoj K. Meshram, "MIMO configured WLAN access point antenna with high port isolation," *Journal of Electromagnetic Waves and Applications*, vol. 31, iss. 10, pp. 1007-1019, 2017.

3. **M. Agarwal**, A. K. Behera, and M. K. Meshram, "Wide-angle quad-band polarization-insensitive metamaterial absorber," *Electronics Letters*, vol. 52, no. 5, pp. 340-342, 2016.

4. **Mayank Agarwal** and Manoj K. Meshram, "Transmission Line Model of a Dual-band Metamaterial Absorber," *IET Microwaves, Antennas and Propagation*. (under review)

Conference Papers (Related to Ph.D. Thesis)

1. **Mayank Agarwal** and Manoj Kumar Meshram, "Four-element highly isolated MIMO antenna system for 5 GHz WLAN applications," 104th Indian Science Congress (ISC), Tirupati, AP, Jan. 3-7, 2017.

2. **Mayank Agarwal** and Manoj Kumar Meshram, "Isolation improvement of 5 GHz WLAN antenna array using metamaterial absorber," URSI Asia-Pacific Radio Science Conference (URSI AP-RASC 2016), Seoul, South Korea, Aug. 21-25, 2016.

3. **Mayank Agarwal**, Ashis Kumar Behera, and Manoj Kumar Meshram, "Closed ring resonator based absorber for C- and X- band applications," 5th IEEE Applied Electromagnetics Conference (AEMC 2015), Guwahati, Assam, India, Dec. 18-21, 2015.

4. **Mayank Agarwal** and Manoj K. Meshram, "Bandwidth enhanced compact PIFA for dual band operation," IEEE Radio and Antenna Days of the Indian Ocean (RADIO 2015), Mauritius, Sep. 21-24, 2015.

Journal Papers (Not Related to Ph.D. Thesis)

1. **Mayank Agarwal**, Rajesh Singh, and Manoj K. Meshram, "Linearly polarized planar inverted-F antenna for GPS and WiMAX applications," IET Microwaves, Antennas & Propagation, vol. 7, iss. 12, pp. 991-998, 2013.

2. Hari S. Singh , **Mayank Agarwal**, G. K. Pandey, and Manoj K. Meshram, "A quad band compact diversity antenna for GPS L1/Bluetooth/LTE2500/WiMAX/HIPERLAN1 applications," IEEE Ant. and Wave Prop. Letters, vol. 13, pp. 249-252, 2014.

3. Rajesh Singh, Gaurav Kumar Pandey, **Mayank Agarwal**, Hari Shankar Singh, Pradutt Kumar Bharti, and Manoj Kumar Meshram, "Compact planar monopole antenna with dual band notched characteristics using T-shaped stub and rectangular mushroom type electromagnetic band gap structure for UWB and bluetooth applications," Wireless Personal Communication, Springer, vol. 75, no. 4, April (II) 2014.

Conference Papers (Not Related to Ph.D. Thesis)

1. Prakash, **Mayank Agarwal**, and Manoj K. Meshram, "An Active Polarization Insensitive Ultrathin Metamaterial Absorber with Frequency Controllability, " International Conference on Signal Processing and Communication (ICSC2018), JIIT, Noida, Uttar Pradesh, March 21-23, 2018.

2. **Mayank Agarwal** and Manoj Kumar Meshram, "A subwavelength microwave absorber with five resonating modes," Asia Pacific Microwave Conference (APMC 2016), New Delhi, Dec. 5-9, 2016.

3. **Mayank Agarwal**, Ashis K. Behera, and Manoj K. Meshram, "Annular ring based metamaterial absorber for S- and C-band applications," 16th Mediterranean Microwave Symposium (MMS 2016), Abu Dhabi, UAE, Nov. 14-16, 2016.

4. **Mayank Agarwal**, Rajesh Singh, and Manoj K. Meshram, "Dual-band linearly polarized planar inverted-F antenna (PIFA) for GPS/WiMAX applications," 2nd Students' Conference on Engineering and Systems (SCES 2013), IEEE student branch, MNNIT, Allahabad, India, April 12-14, 2013.

5. **Mayank Agarwal**, Rajesh Singh, and Manoj K. Meshram, "A novel small-size quad band internal PIFA for GPS L1/Bluetooth/LTE2500/WiMAX/HIPERLAN1 applications," in proc. of World Conference on Advances in Communication and Control Systems (CAC2S 2013), DIT University, Dehradun, Publisher: Atlantis Press, pp. 617-621, April 6-8, 2013.