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## List of Publications

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- **Journal Publications**

1. **Pradutt Kumar Bharti**, Gaurav Kumar Padey, Hari Shankar Singh, and Manoj Kumar Meshram, "A Compact Multiband Planar Monopole Antenna for Slim Mobile Handset Applications," *Progress In Electromagnetics Research B*, Vol. 61, pp. 31-42, 2014.
2. **Pradutt Kumar Bharti**, Gaurav Kumar Padey, Hari Shankar Singh, and Manoj Kumar Meshram, "Multi-band shorted monopole antenna for handset applications," *Microwave Optical Technology Letters*, Vol. 57, No. 6, pp. 1459-1466, June 2015
3. **Pradutt Kumar Bharti**, Hari Shankar Singh, Gaurav Kumar Padey, and Manoj Kumar Meshram, "Thin Profile Wideband Printed Monopole Antenna for Slim Mobile Handsets Applications," *Progress In Electromagnetics Research C*, Vol. 57, pp. 149-158, 2015.
4. **Pradutt K. Bharti**, H. S. Singh, G. K. Pandey, and M. K. Meshram, "Coupled fed shorted uniplanar monopole antenna for slim mobile handsets," *International Journal of Microwaves and Optical Technology*, Vol. 9, No.5, 346-352, Sep 2014.
5. **Pradutt K. Bharti**, H. S. Singh, G. K. Pandey, and M. K. Meshram, "Slot Loaded Tri Band Microstrip Antenna for Wireless Applications," *International Journal of Microwaves and Optical Technology*, Vol. 8, No.3, 120-128, May 2013.
6. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Compact Printed Diversity Antenna for LTE700/ GSM1700/ 1800/ UMTS/ Wi-Fi/ Bluetooth/ LTE2300/ 2500 Applications for Slim Mobile Handsets," *Progress In Electromagnetics Research C*, Vol. 56, pp. 83-91, 2015.
7. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "A Low Profile Tri-Band Diversity Antenna For WLAN/Wi-MAX/HIPERLAN Applications with High Isolation," *Microwave Optical Technology Letters*, Vol. 57, No. 2, pp. 452-457, Jan. 2015.

8. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Design and Performance Investigation of a Low Profile MIMO/Diversity Antenna for WLAN/ WiMAX/ HiperLAN Applications with High Isolation," *International Journal of RF and Microwave Computer-Aided Engineering*. (DOI: 10.1002/mmce.20886)
9. Hari S. Singh, Gaurav K. Pandey, **Pradutt K. Bharti**, and Manoj K. Meshram, "A Compact Dual-Band Diversity Antenna for WLAN Applications with High Isolation," *Microwave Optical Technology Letters*, Vol. 57, No. 4, pp. 906-912, 2015.
10. Hari Shankar Singh, Bhaskarareddy Meruva, Gaurav Kumar Padey, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Low Mutual Coupling Between MIMO Antennas by Using Two Folded Shorting Strips," *Progress In Electromagnetics Research B*, Vol. 53, 205-221, 2013.
11. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Design of Polarization Insensitive Triple Band Artificial Magnetic Conductor" *International Journal of Advances in Science and Technology (IJAST)*, pp. 224-229, 2014. (ISSN 2348-5426).
12. G. K. Pandey, **H. S. Singh**, **P. K. Bharti**, A. Pandey, and Manoj K. Meshram, "High Gain Vivaldi Antenna for Radar and Microwave Imaging Applications," *International Journal of Signal Processing Systems*, Vol. 3, No. 1, pp. 35-39, June 2015.
13. Gaurav Kumar Pandey, Hari Shankar Singh, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Design of Polarization Insensitive Triple Band Artificial Magnetic Conductor" *International Journal of Advances in Science and Technology (IJAST)*, pp. 230-234, 2014. (ISSN 2348-5426)
14. 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 Communications*, Vol. 75, No. 2, April-2014.

15. Gaurav K. Pandey, Hari S. Singh, **Pradutt K. Bharti**, and Manoj K. Meshram, "Metamaterial Based UWB antenna," *Electronics Letters*, Vol. 50, pp. 1266-1268, 2014.
16. Gaurav K. Pandey, Hari S. Singh, **Pradutt K. Bharti**, and Manoj K. Meshram, "Design of WLAN Band Notched UWB Monopole Antenna with Stepped Geometry Using Modified EBG Structure," *Progress In Electromagnetics Research B*, Vol. 50, 201-217, 2013.

• **Papers Presented in Symposium/Conference and/or Published in the Proceedings**

1. **Pradutt Kumar Bharti**, Hari Shankar Singh, Gaurav Kumar Pandey, and Manoj Kumar Meshram, "A Compact Planar Shorted Monopole Antenna for Mobile Handset Applications," *Indian Antenna Week (IAW-2014)*, Chandigarh, India, May 26-30, 2014.
2. **P. K. Bharti**, H. S. Singh, G. K. Pandey, and M. K. Meshram, "Compact Six-Band Coupled-fed Planar Inverted-F Antenna for Slim Mobile Phone," *International Conference on Microwave and Photonics (ICMAP - 2013)*, Dhanbad, India, pp. 1-4, December 13-15, 2013,.
3. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt K Bharti**, Rajesh Singh, and Manoj Kumar Meshram, "Internal Compact Quad-Band Diversity Antenna for Next Generation Mobile Handsets Applications," *Antenna Test and Measurement Society (ATMS 2015)*, Bangalore, India, February 3-4, 2015.
4. Gaurav Kumar Pandey, Hari Shankar Singh, **Pradutt K Bharti**, and Manoj Kumar Meshram, "Application of Polarization Insensitive Triple Band Artificial Magnetic Conductor with a UWB antenna," *Antenna Test and Measurement Society (ATMS 2015)*, Bangalore, India, February 3-4, 2015.
5. H. S. Singh, G. K. Pandey, **P. K. Bharti**, and M. K. Meshram, "Design of Low Profile Ultra Wideband PIFA for MIMO Applications," *IEEE Region Ten Symposium (IEEE TENSYP 2014)*, Kuala Lumpur, Malaysia, pp.448-453, April 14-16, 2014.
6. G. K. Pandey, H. S. Singh, **P. K. Bharti**, and M. K. Meshram, "Metamaterial Based Compact Antenna Design for UWB Applications," *IEEE Region 10 Symposium (IEEE TENSYP 2014)*, Kuala Lumpur, Malaysia, pp.78-81, April 14-16, 2014.

7. Gaurav Kumar Pandey, Hari Shankar Singh, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Design of High Gain Vivaldi Antenna for Radar and Microwave Imaging Applications," *Indian Antenna Week (IAW-2014)*, Chandigarh, India, May 26-30, 2014.
8. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt Kumar Bharti**, Mayank Agarwal, and Manoj Kumar Meshram, "A Quad Band Four Element MIMO Antenna System with Pattern and Polarization Diversity," *Indian Antenna Week (IAW-2014)*, Chandigarh, India, May 26-30, 2014.
9. Hari Shankar Singh, Gaurav Kumar Pandey, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Design of Polarization Insensitive Triple Band Artificial Magnetic Conductor" *International Conferences on Electronics and Electrical Engineering (ICAEEE-2014)*, Pattaya, Thailand, November 8-9, 2014.
10. Gaurav Kumar Pandey, Hari Shankar Singh, **Pradutt Kumar Bharti**, and Manoj Kumar Meshram, "Design of Polarization Insensitive Triple Band Artificial Magnetic Conductor," *International Conferences on Electronics and Electrical Engineering (ICAEEE-2014)*, Pattaya, Thailand, November 8-9, 2014.
11. Gaurav K. Pandey, Hari S. Singh, **Pradutt K. Bharti**, and Manoj K. Meshram, "Design of Stepped Monopole UWB Antenna with WLAN Band Notched Using Modified Mushroom Type EBG Structure," *IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT-2013)*, Bangalore, India, January 17-19, 2013.
12. Hari Shankar Singh, **Pradutt Kumar Bharti**, Gaurav Kumar Pandey and Manoj Kumar Meshram, "A Compact Tri-Band MIMO/Diversity Antenna for Mobile Handsets," *IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT-2013)*, Bangalore, India, January 17-19, 2013.
13. Hari S. Singh, Gaurav K. Pandey, **Pradutt K. Bharti**, and Manoj K. Meshram, "Spiral-shaped High Isolated Monopole MIMO/Diversity Antenna for Small Mobile Terminals," *CACCS-2013*, Dehradun, India, April 6-8, 2013.

14. Hari S. Singh, Gaurav K. Pandey, **Pradutt K. Bharti**, and Manoj K. Meshram, "A Compact Dual Band MIMO/Diversity Antenna for WLAN Applications," *IEEE Students's Conference on Engineering and Systems (SCES)*, Allahabad, India, April 12-14, 2013.
15. H. S. Singh, **P. K. Bharti**, G. K. Pandey, and M. K. Meshram, "Compact Penta-Band Coupled-Fed Printed Monopole MIMO/Diversity Antenna for Smart Mobile Phone," *International Conference on Microwave and Photonics (ICMAP-2013)*, Dhanbad, India, pp. 1-5, December 13-15, 2013.
16. **Pradutt K. Bharti**, Hari S. Singh, G. K. Pandey, and Manoj K. Meshram, "Fork-Shaped Slot Loaded Microstrip Antenna for ISM and WiMAX applications," *Souvenir of the 8<sup>th</sup> International Conference on Microwaves Antenna Propagation & Remote Sensing (ICMARS-2012)*, Jodhpur, India, December 11-15, 2012.
17. Shalini, Hari S. Singh, G. K. Pandey, **Pradutt K. Bharti**, Himanshu, and Manoj K. Meshram, "Octa-Band Monopole MIMO Antenna for Small Mobile Terminals," *Souvenir of the 9<sup>th</sup> International Conference on Microwaves Antenna Propagation & Remote Sensing (ICMARS-2013)*, Jodhpur, India, December 11-14, 2013.
18. Himanshu Verma, Gaurav K. Pandey, Hari S. Singh, **Pradutt K. Bharti**, Shalini, and Manoj K. Meshram, "Compact UWB Antipodal Vivaldi Antenna with Novel Tapering," *Souvenir of the 9<sup>th</sup> International Conference on Microwaves Antenna Propagation & Remote Sensing (ICMARS-2013)*, Jodhpur, India, December 11-14, 2013.
19. G. K. Pandey, H. S. Singh, **P. K. Bharti**, and M. K. Meshram, "UWB Monopole Antenna with Enhanced Gain and Stable Radiation Pattern Using Gate like Structures," *International Conference on Microwave and Photonics (ICMAP - 2013)*, Dhanbad, India, pp. 1-4, December 13-15, 2013.
20. Hari S. Singh, **Pradutt K. Bharti**, Gaurav K. Pandey, and Manoj K. Meshram, "A Novel Diversity Antenna for WLAN Applications," *National Conference on Recent Trends on Microwave Techniques and Applications (Microwave - 2012)*, Jaipur, India, July 30- August 1, 2012.

21. Gaurav K. Pandey, H. S. Singh, **Pradutt K. Bharti**, and Manoj K. Meshram, "Design of Corrugated Vivaldi Antenna for UWB Applications," *National Conference on Recent Trends on Microwave Techniques and Applications (Microwave - 2012)*, Jaipur, India, July 30-August 1, 2012.
22. Hari Shankar Singh, **P. K. Bharti**, G. K. Pandey, and M. K. Meshram, "A Novel MIMO/Diversity Antenna for GSM1800 and WiMAX Applications," *Souvenir of the 8th International Conference on Microwaves Antenna Propagation & Remote Sensing (ICMARS-2012)*, Jodhpur, India, December 11-15, 2012.
23. Gaurav K. Pandey, Hari S. Singh, **Pradutt K. Bharti**, and Manoj K. Meshram, "Design of Dual Band Notched UWB Elliptical Monopole Antenna Using Mushroom Type EBG Structure," *Souvenir of the 8<sup>th</sup> International Conference on Microwaves Antenna Propagation & Remote Sensing (ICMARS-2012)*, Jodhpur, India, December 11-15, 2012.