

Selected Publications

- [1] Rohit Kumar Saini, and **Santanu Dwari**, “A Broadband Dual Circularly Polarized Square Slot Antenna” *IEEE Transactions on Antennas and Propagation*, Vol. 64, No. 1, pp. 290-294, January 2016.
- [2] Shruti Priya, **Santanu Dwari**, Kundan Kumar, and Mrinal Kanti Mandal, “Compact Self-Quadruplexing SIW Cavity-Backed Slot Antenna” *IEEE Transactions on Antennas and Propagation*, Vol. 67, No. 10, pp. 6656-6660, October 2019.
- [3] Shruti Priya, Kundan Kumar, **Santanu Dwari**, and Mrinal Kanti Mandal, “Circularly Polarized Self-diplexing SIW Cavity-backed Slot Antennas,” *IEEE Transactions on Antennas and Propagation*, Vol. 68, No. 3, pp. 2387-2392, March 2020.
- [4] Kundan Kumar, Shruti Priya, **Santanu Dwari**, and Mrinal Kanti Mandal, “Self-Quadruplexing Circularly Polarized SIW Cavity-Backed Slot Antennas,” *IEEE Transactions on Antennas and Propagation*, Vol. 68, No. 8, pp. 6419-6423, August 2020.
- [5] Pramod Kumar, **Santanu Dwari**, Mrinal Kanti Mandal, Shailendra Singh, Jitendra Kumar, Amitesh Kumar and Utkarsh, “Electronically Controlled Beam Steerable Dual Band Star-Shape DRA for UAS and Wi-Fi Data Link Applications” *IEEE Transactions on Antennas and Propagation*, Vol. 68, No. 10, pp. 7214-7218, October 2020.
- [6] Pritam Singh Bakariya, **Santanu Dwari**, Manas Sarkar, and Mrinal Kanti Mandal, “Proximity Coupled Multiband Microstrip Antenna for Wireless Applications,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 14, pp. 646–649, 2015.
- [7] Pritam Singh Bakariya, **Santanu Dwari**, Manas Sarkar, and Mrinal Kanti Mandal, “Proximity Coupled Microstrip Antenna for Bluetooth, WiMAX and WLAN Applications,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 14, pp. 755–758, 2015.
- [8] Rohit Kumar Saini, **Santanu Dwari**, Mrinal Kanti Mandal, “CPW-Fed Dual-Band Dual-Sense Circularly Polarized Monopole Antenna,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 16, pp. 2497–2500, 2017.
- [9] Kundan Kumar, **Santanu Dwari**, Mrinal Kanti Mandal, “Broadband Dual Circularly Polarized Substrate Integrated Waveguide Antenna,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 16, pp. 2971–2974, 2017.
- [10] Shobhit Saxena, Binod K. Kanaujia, **Santanu Dwari**, Sachin Kumar, Rahul Tiwari, “A Compact Dual Polarized MIMO Antenna with Distinct Diversity Performance for UWB Applications,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 16, pp. 3096–3099, 2017.
- [11] Kundan Kumar, **Santanu Dwari**, “Substrate Integrated Waveguide Cavity Backed Self-Triplexing Slot Antenna,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 16, pp. 3249–3252, 2017.
- [12] Kundan Kumar, **Santanu Dwari**, Mrinal Kanti Mandal, “Dual-Band Dual-Sense Circularly Polarized Substrate Integrated Waveguide Antenna,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 17, No. 3, pp. 521–524, March 2018.
- [13] Pawan Kumar, **Santanu Dwari**, Rohit Kumar Saini, Mrinal Kanti Mandal, “Dual-Band Dual-Sense Polarization Reconfigurable Circularly Polarized Antenna” *IEEE Antennas and Wireless Propagation Letters*, Vol. 18, No. 1, pp. 64–68, January 2019.

- [14] Biswajit Pal , Mrinal Kanti Mandal , **Santanu Dwari**, “Varactor Tuned Dual-Band Bandpass Filter With Independently Tunable Band Positions” *IEEE Microwave and Wireless Components Letters*, Vol.29, Issue. 4, pp. 255-257, April 2019.
- [15] Ankit Bhattacharjee, **Santanu Dwari**, Mrinal Kanti Mandal, “Polarization Reconfigurable Compact Monopole Antenna With Wide Effective Bandwidth” *IEEE Antennas and Wireless Propagation Letters*, Vol. 18, No. 5, pp. 1041–1045, May 2019.
- [16] Shruti Priya, **Santanu Dwari**, “A compact self-triplexing antenna using hmsiw cavity,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 19, No. 5, pp. 861–865, May 2020.
- [17] Ankit Bhattacharjee, and **Santanu Dwari**, “A Monopole Antenna With Reconfigurable Circular Polarization and Pattern Tilting Ability in Two Switchable Wide Frequency Bands” *IEEE Antennas and Wireless Propagation Letters*, Vol. 20, No. 9, pp. 1661–1665, September 2021.
- [18]Ankit Bhattacharjee, and **Santanu Dwari**, “Design of an anisotropic reconfigurable reflective polarization converter for realizing circular polarization reconfigurable antenna” *IEEE Antennas and Wireless Propagation Letters*, (Early Access), doi: 10.1109/LAWP.2022.3194347
- [19] Shobhit Saxena, Binod K. Kanaujia, **Santanu Dwari**, Sachin Kumar, Rahul Tiwari, “MIMO antenna with built-in circular shaped isolator for sub-6 GHz 5G applications” *IET Electronics Letters*, Vol.54, Issue. 8, pp. 478-480, April 2018.