

LIST OF PUBLICATIONS

A. International Journals

- [1] Gouri Shankar Sharma, Anshul Gupta, **Ravi Kumar Gangwar**, and Amit Kumar Pandey, "Multi-Port MIMO Antenna System with Diverse Radiation Pattern for Sub-6 GHz Wireless Communications," **International Journal of Communication Systems**, 20 January 2025. (Accepted)
- [2] Tripta Kumari, Kundan Kumar Suman, Ravi Kumar Gangwar, and R. K. Chaudhary, "Al₂O₃ Based Frequency Agile MIMO System with Beam Tilt Correction Using PLA Concave Parabolic Reflector," **IEEE Transactions on Dielectrics and Electrical Insulation**, January 2025.
- [3] A. K. Pandey, **R. K. Gangwar** and R. K. Chaudhary, "A Compact SD-QMSIW-Based Self-Diplexing MIMO Antenna Using Two Modified L-Shaped Slots as Radiators for IoT Applications," in **IEEE Internet of Things Journal**, vol. 12, no. 3, pp. 2385-2394, February, 2025.
- [4] Aks Raj, Varun Chaudhary, **Ravi Kumar Gangwar**, and R. K. Chaudhary, "Pioneering Multi-functionality through VO₂-infused Polarization Insensitive Conformal Meta-Structures in Terahertz Regime," **IEEE Transactions on Nanotechnology**, Vol. 30, pp. 673-676, September 2024.
- [5] Gouri Shankar Sharma, Anshul Gupta, **Ravi Kumar Gangwar**, and Amit Kumar Pandey, "Dielectric Resonator-based 8-Port Box-Shaped Wideband MIMO Antenna with Multi-Directional Pattern Diversity," **AEU - International Journal of Electronics and Communications**, 11 June 2024, 155400. (Accepted)
- [6] Aks Raj, Varun Chaudhary, **Ravi Kumar Gangwar**, and R. K. Chaudhary, "Experimental and Analytical Analysis of Conformal and Polarization Insensitive Electromagnetic Absorber," **AEU - International Journal of Electronics and Communications**, 179 (2024) 155340, May 2024.
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- [11] A. K. Pandey, N. K. Sahu, **R. K. Gangwar** and R. K. Chaudhary, "A SIW-Cavity-Backed Wideband Circularly Polarized Antenna Using Modified Split-Ring Slot as a Radiator for mm-Wave IoT Applications," in **IEEE Internet of Things Journal**, vol. 11, no. 7, pp. 11793-11799, April, 2024.
- [12] Tripta Kumari, Kundan Kumar Suman, **Ravi Kumar Gangwar**, and R. K. Chaudhary, "An anisotropic PRS for squinting the radiation pattern with a gain improvement of MIMO system," **AEU - International Journal of Electronics and Communications**, Volume 176, March 2024, 155150. (Accepted)
- [13] Nikesh Kumar Sahu, and **Ravi Kumar Gangwar**, "MIMO-DRA with triple-band CP & low EM coupling: a methodical design approach," **Waves in Random and Complex Media**, March 2023. (Accepted)

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