

LIST OF PUBLICATIONS

A. International Journals

- [1] Jayant Kumar Sahu, Gavva Krishna Reddy, Gouri Shankar Sharma, Anshul Gupta, and **Ravi Kumar Gangwar**, "A Data-Driven Machine Learning Framework for the Design of a Compact Dual-Band 2×2 MIMO Dielectric Resonator Antenna for 5G and IoT Networks," **Journal of Electromagnetic Waves and Applications**, July 2026.
- [2] Nibash Kumar Sahu, and **Ravi Kumar Gangwar**, "Zeroth-Order Mode and Anisotropic Behaviour-Based Via-Free Metasurface-Inspired Miniaturized Dual-Band Dual-Polarized Wearable Antenna With High Data Rate and Wider Coverage," **IEEE Transactions on Microwave Theory and Techniques**, July 2026.
- [3] Sanghmitra, **Ravi Kumar Gangwar**, and R K Chaudhary, "A Low-Profile PCB-Compatible Circularly Polarized MIMO Substrate Integrated Octagonal Dielectric Resonator Antenna for mm-Wave IoT-Based Smart Environments," **IEEE Internet of Things Journal**, June 2026.
- [4] Kapil Gangwar, Kundan Kumar Suman, Som pal Gangwar and **Ravi Kumar Gangwar**, "A Novel Compact Printed Inverted-F Antenna Integrated into Biker Helmets for Consumer Internet of Vehicles," **IEEE Transactions on Consumer Electronics**, March 2026.
- [5] Divyanshi Srivastava, and **Ravi Kumar Gangwar**, "Design of Flexible Triple-Band GPS Antenna using PLA-Based Conformal Mold for Vehicle Positioning Applications," **IEEE Transactions on Dielectrics and Electrical Insulation**, February 2026.
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- [7] Manish Kumar Rauniyar, Kundan Kumar Suman, and **Ravi Kumar Gangwar**, "Advanced Packaging of Conformal Wideband Antennas for UAVs with Optimized RCS Reduction," **IEEE Transactions on Components, Packaging and Manufacturing Technology**, November 2025.
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- [12] Debashis Das, Rajib Jana, **Ravi Kumar Gangwar**, Sachin Maithani, "Back-to-back DRA using Single/Double Layered Substrates for Bidirectional Radiation with a Choice of Versatile Polarizations", **IETE Journal of Research**, VOL. 71, NO. 8, Pages 2740-2749, 2025.
- [13] Debashis Das, Rajib Jana, **Ravi Kumar Gangwar**, Sachin Maithani, Multifunction dielectric resonator antenna featuring omnidirectional switchable patterns, **AEU - International Journal of Electronics and Communications**, 2025, 155750, ISSN 1434-8411, <https://doi.org/10.1016/j.aeue.2025.155750>.
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