

Profile Page



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Research Interests :

The main research interests of my research group are in the Computational Electromagnetics area, which includes Antenna Theory & Design, RF MEMS Microwave Devices, and Novel Electromagnetics Materials (Electromagnetic Bandgap (EBG) Structures and Metamaterials. Our antenna designs find applications in Wireless Communications, Satellite Communications, Radar Applications, Biomedical Imaging, RFIDs, and so more.

- Computational Electromagnetics
- Biomedical telemetry
- Reconfigurable Antennas and Arrays
- Novel Electromagnetic Materials (Metamaterial/Electromagnetic Bandgap)
- Planar Ultra-wide Bandwidth (UWB) Antennas and Arrays
- Dielectric Resonator Antennas (DRA) and Arrays
- Shorted Microstrip Antenna for Mobile Communication
- Wideband Microstrip Antennas/Arrays
- Wideband/Dual Band/Triple Band Microstrip Antenna for Wireless Communication
- Smart Antennas and MIMO Antenna Systems
- Radio-Frequency-Identification (RFID) Antennas
- Microwave Power Dividers and Couplers
- Reconfigurable Bandpass Filters
- RF MEMS Phase Shifters

Journal Publications :

Year	Journal	Publication
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2022	Scientific Report Nature, (USA) vol. 12, no. 01, pp. 3165	Deepti Bhardwaj, Binod k. kanaujia, Sachin kumar, R. Mitra, R K Arya and M Ladislao, "Design and implementation of compact dual-band conformal antenna for leadless cardiac pacemaker system"
2022	IEEE Transaction on Antennas and Propagation (USA), vol. , no., pp. -, (Accepted)	Deepti Bhardwaj, Vikrant Kaim, Binod k. kanaujia, Neeta Singh, Sachin Kumar and K Rambabu, "A Triple Band Circularly Polarized Antenna for Leadless Cardiac Transcatheter Pacing System"
2022	IEEE Access, (USA) vol. 10, pp.11846 -11857	Sumer Singh, M Ladislao, Binod k. kanaujia, and I Peter, "A Study on Application of Dielectric Resonator Antenna in Implantable Medical Devices"
2022	International Journal of Electronics and Communication AEU Elsevier, (Germany) vol. 145, pp.154079	Saeed Fakhte, Sumer Singh, M Ladislao, and Binod k. kanaujia, "Manipulating the Radiation Pattern of Equilateral Triangular Dielectric Resonator Antenna Using Asymmetric Grooves"
2022	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol.,No. , pp. (Accepted)	S D Choudary, Shilpee Patil, Alka Verma, MI. Alam, V. M. Kapse, and Binod K. Kanaujia, "Design of dual-polarized triple-band concentric annular-ring microstrip patch antenna for GPS applications"
2022	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol.14,No. 01, pp.65-75	Ghanshyam Singh, Binod k. kanaujia, Vijay Kumar Pandey and Sachin Kumar, "Quad-Band multi-polarized antenna with modified electric-inductive? capacitive resonator,"
2021	IEEE on Microwave Magazine (USA), vol. , no., pp.,(Accepted)	Aijaz M. Zaidi, Binod k. kanaujia, Taimoor Khan, Mirza Tariq Beg, Karun Rawat, Karumudi Rambabu and Sembiam R. Rengarajan, "Multi-Band Design Techniques for Passive Planar Microwave Circuits: A Review"
2021	IEEE on Antennas and Propagation Magazine (USA), vol. , no., pp., (Accepted)	Sumer Singh Singhwal, M Ladislao, Binod k. kanaujia, Saeed Fakhte Balasi, and Jugul kishor, "Dielectric Resonator Antennas: Application and Development in Multiple Input Multiple Output Technology," DOI (identifier) 10.1109/MAP.2021.3089981
2021	IEEE Transactions on Instrumentation & Measurements, (USA) vol. 70, no. , pp. (Accepted)	Aijaz M. Zaidi, Mirza Tariq Beg, Binod K. Kanaujia, Karun Rawat, Sachin kumar, Karumudi Rambabu, Satya P. Singh and Aime Lay-Ekuakille "A Dual-Band Rat-Race Coupler for High Band Ratio Wireless Applications"
2021	International Journal of Electronics (UK) vol. , no. , pp. (Accepted)	Yatendra Kumar, Ravi kumar Gangwar, and Binod k. kanaujia, "Multi-Band Different Polarized Monopole Antenna with Modified Ground for WLAN & Wi-MAX Applications"
2021	Wireless Personal Communication Springer vol. 118, No. 01, pp.631-646	Hari Singh, Kunal srivastava, Sachin Kumar and Binod K Kanaujia, "A Compact Wideband Flexible Antenna for Wireless Medical Telemetry Services"
2021	Frequenz (Germany) vol. , no. , pp. , . (Accepted)	Shilpee Patil, A. K. Singh, V. K. Pandey, Binod. K. Kanaujia and A. K. Pandey, "A simple and compact broadband circularly polarized circular slot antenna for WLAN/WiMAX/DBS applications"
2021	International Journal of Electronics (UK) vol. , no. , pp. (Accepted)	Hari Singh, Binod K Kanaujia, Ashwani Kumar, Kunal srivastava and Sachin Kumar, "Dual-Resonance Ultra-Miniaturized Textile Antenna for ISM/Wearable Applications"
2021	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol. , pp. , DOI (Accepted)	Alka Verma, Anil kumar Singh, Neelam Srivastava, Shilpee Patil and Binod K. Kanaujia, "A low-profile circularly polarized microstrip antenna using elliptical electromagnetic band gap structure"

2021	IEEE Access, (USA) vol. 09, pp. 118662-118672	Naveen Jaglan, S D Gupta, Binod K. Kanaujia and Mohammad Sharawi, "10 Element Sub-6 GHz Multi-band Double-T based MIMO Antenna System for 5G Smartphones"
2021	IEEE Transactions on Instrumentation & Measurements, (USA) vol. 70, no. , pp. (Accepted)	Abhishek Kandwal, Louis WY Liu, Tobore Igbe, Jingzhen Li, Yuhang Liu, Ranjan Das, Binod K Kanaujia and Lei Wang, "A Novel Method of Using Bifilar Spiral Resonator for Designing Thin Robust Flexible Glucose Sensors"
2021	MDPI Electronics, (Switzerland) vol. 18, No. 10, pp. 2273-2283	Neetu Sehrawat, Binod K Kanaujia, Anshul Agarwal and Gaurav Varshney, "Analysis of Inhomogeneous Circularly Polarized Hollow Dielectric Resonator Antenna using Perturbation Theory"
2021	IEEE Access, (USA) vol. 09, pp. 108601-108613	Karmokar, Sanjeev, Durgesh Nandan, Kunal srivastava, and Sachin Kumar Hari Singh, and Binod K Kanaujia "Wideband Circularly Polarized Textile MIMO Antenna for Wearable Applications"
2021	Analog Integrated Circuits and Signal Processing, Springer vol. 109, No. 09, pp. 103-113, August 2021	Rakesh Nath Tiwari, Prabhakar Singh and Binod k kanaujia, "Swastika Shaped Slot Embedded Two Port Dual Frequency Band MIMO Antenna for Wireless Applications"
2021	IEEE on Microwave Magazine (USA), vol. , no., pp. (Accepted)	Aijaz M. Zaidi, Taimoor Khan, Mirza Tariq Beg, Binod k. kanaujia, and Karumudi Rambabu, "Dual-Band Design Techniques for Microwave Passive Circuits: A Review and Applications,"
2021	IEEE Transactions on Instrumentation & Measurements, (USA) vol. 70, no. , pp. 9462046.	Ankit Sharma, Deepak Gangwar, Ravi Prakash Singh, Rashi Solanki, Saurabh Rajpoot, Binod k. kanaujia, Satya Prakash and Lay-Ekuakille, "Design of Compact Wideband Circularly Polarised Hexagon Shaped Antenna using Characteristics Mode Analysis,"
2021	SILICON Springer vol. , No. , pp. (Accepted)	Amit Das, Binod K. Kanaujia, Vandan Nath, S Rewari, and R S Gupta, "Recent Technological Advancement in Surrounding Gate MOSFET for Biosensing Applications - A Synoptic Study,"
2021	Journal of Computational Electronics Springer vol. 20, No. 03, pp. 1439-1451	Praveen chaurasia, Binod k. kanaujia, Santanu Dwari and Mukesh k. khandelwal, "Theoretical circuit modeling of tetra bands DNG metamaterial by transmission line theory with very small frequency,"
2021	Analog Integrated Circuits and Signal Processing, Springer vol. 107, No. 03, pp. 497-510, March 2021	Rajesh Kumar, Shantanu Dwari, Binod k. kanaujia, Sandeep Kumar and Hanjung song, "A 8–12 GHz, 44.3 dBm RF output class FF? 1 DPA using quad-mode coupled technique for new configurable front-end 5G transmitters,"
2021	Wireless Networks Springer vol. 27, No. 04, pp. 2671-2689	Deepti Bhardwaj, Binod k. kanaujia, Sachin kumar and Deepak Gangwar, "Compact Multi-standard Planar MIMO Antenna for IoT/WLAN/Sub-6 GHz/X-Band Application,"
2021	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 31, no. 08, pp. e22737, May 2021	Rakesh Nath Tiwari, Prabhakar Singh and Binod k. kanaujia, "Compact Circularly Polarized MIMO Printed Antenna with Novel Ground Structure for Wideband Applications,"
2021	Radio Science AGU, Advance Earth and Space Science (USA) vol. 56, No. 03, pp. e2020RS007122	Amit Kumar, Abdul Quaiyum Ansari, Binod k. kanaujia and Jugul kishor and M Ladislao, "A Review on Different Techniques of Mutual Coupling Reduction Between Elements of Any MIMO Antenna. Part 1: DGSs and Parasitic Structures,"
2021	Radio Science AGU, Advance Earth and Space Science (USA) vol. 56, No. 3, pp. e2020RS007222	Amit Kumar, Abdul Quaiyum Ansari, Binod k. kanaujia and Jugul kishor and M Ladislao, "A Review on Different Techniques of Mutual Coupling Reduction Between Elements of Any MIMO Antenna. Part 2:Metamaterials and Many More,"
2021	International Journal of Electronics and Communication AEU Elsevier, (Germany) vol. 131, pp.153608	Dinesh Kumar Raheja, Sachin Kumar, Binod k. kanaujia, Sandeep Kumar Palaniswamy, Rama Rao Thipparaju, Malathi Kanagasabai, "Truncated elliptical Self-Complementary antenna with Quad-Band notches for SWB MIMO systems,"

2021	Frequenz (Germany) vol. 75, no. 1-2, pp. 35-47	Alka Verma, Anil kumar Singh, Neelam Srivastava, Shilpee Patil and Binod k. kanaujia, "Performance enhancement of circularly polarized patch antenna using slotted circular EBG-based metasurface,"
2021	MAPAN, Journal of Metrology Society of India vol. , pp. (Accepted)	Amit Birwal, Sangeev Singh, Binod k. kanaujia and Sachin kumar, "MIMO/Diversity Antenna with Neutralization Line for WLAN Applications,"
2021	Wireless Personal Communication Springer vol. 118, No. 01, pp.631-646	Hari Singh, Kunal srivastava, Sachin Kumar and Binod k. kanaujia, "A Planar Dual-Band Antenna for ISM/Wearable Applications,"
2021	International Journal of Electronics (UK) vol. , no. pp. https://doi.org/10.1080/00207217.2020.1870749	Ghanshyam Singh, Binod k. kanaujia, Vijay Kumar Pandey, Deepak Gangwar and Sachin Kumar, "Hexa-band pattern reconfigurable antenna with defected ground plane,"
2021	Progress in Electromagnets Research, (USA) vol. 107, no. ,pp. 81-96	Rohit Gurjar, Dharmedra Upadhyay and Binod k. kanaujia, Karishma Sharma, "A Compact U-Shaped UWB-MIMO Antenna with Novel Complementary Modified Minkowski Fractal for Isolation Enhancement,"
2021	IET Microwaves Antennas and Propagation, (UK) vol.15, no. 06, pp. 537-546	Gunjan Mittal, Shantanu Dwari, Binod k. kanaujia, Sandeep Kumar and Hanjung song, "Active feedback supported CMOS LNA blended with coplanar waveguide fed antenna for Wi-Fi networks"
2021	Frequenz (Germany) vol. 75, no. 3, pp. 101-108	Maksud Alam, Amber Khan, Maiuddin, Binod k. kanaujia, Mirza Beg, Sachin "Highly efficient artificial magnetic conductor enabled CPW fed compact antenna for BAN wearable applications,"
2021	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol. 13, No.8 , pp.800-809	Amit Birwal, Sanjeev Singh, Binod k. kanaujia and Sachin Kumar, "A novel design of ultra-wide stop- band single-layer frequency selective surface using square-loop and cross,"
2021	IEEE Transaction on Antennas and Propagation (USA), vol. 69 , no.03, pp. 1260-1272	Vikrant Kaim, Binod k. kanaujia, and K. Rambabu, "Quadrilateral Spatial Diversity Circularly Polarized MIMO Cubic Implantable Antenna System for Biotelemetry,"
2021	Electromagnetic, Taylor and Francis (UK) vol. 13, no.04, pp.397-406, May 2021	Sonal Gupta, Shilpee Patil, Chhaya dalela and Binod k. kanaujia, "Analysis and design of inclined fractal defected ground based circularly polarized antenna for S-band applications,"
2020	Electromagnetic, Taylor and Francis (UK) vol.40, no.08, pp.576-593, August, 2020	Alka Verma, Anil Kumar Singh, Neelam Srivastava, Shilpee Patil & Binod k. kanaujia, A compact circularly polarized modified printed monopole antenna for wireless applications,"
2020	Wireless Personal Communication Springer vol. 114, pp. 3031-3048	Rakesh Nath Tiwari, Prabhakar Singh and Binod k. kanaujia, "A Coalesced Kite Shaped Monopole Antenna for UWB Technology,"
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. , no. , pp. e22451	Hari Singh, Binod k. kanaujia, Kunal srivastava, and Sachin Kumar "Wideband textile multiple?input?multiple?output antenna for industrial, scientific and medical (ISM)/wearable applications,"
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. , no. , pp. e22431	M. K. Verma, Binod k. kanaujia, J. P. Saini, "A Compact Multi Slots Loaded Gap Coupled CP Antennawith DGS for WLAN/WiMAX Applications,"
2020	IEEE Access, (USA) vol. 08, pp. 222355-222370	Umesh Singh, Sudip Biswas, Keshav Singh Binod k. kanaujia, and Chih-Peng Li "Beamforming Design for In-Band Full-Duplex Multi-Cell Multi-User MIMO LSA Cellular Networks,"

2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 30, no. 12, pp. e22431	M. K. Verma, Binod k. kanaujia, J. P. Saini, , “A Compact Multi Slots Loaded Gap Coupled CP Antennewith DGS for WLAN/WiMAX Applications,”
2020	Electromagnetic, Taylor and Francis (UK) vol.40, no.08, pp.594-604, August, 2020	Kunal Srivastava, Sachin Kumar, Santanu Dwari, Binod k. kanaujia, and Hyun Chul Choi & Kang Wook Kim “Anisotropic Meta-surface-based Wideband High Gain Circularly Polarized Patch Antenna,”
2020	IEEE Access, (USA) vol. , no. , pp. 127123-127133	Yatendra Kumar, Ravi kumar Gangwar, and Binod k. kanaujia, “Characterization of CP radiations in a Planar Monopole Antenna using Tuning Fork Fractal Slot for LTE Band13 / Wi-Max and Wi-Fi Applications,”
2020	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol. 40, No. 07, pp. 526-542	Sonal Gupta, Shilpee Patil, Chhaya dalela and Binod k. kanaujia, “Analysis and design of inclined fractal defected ground based circularly polarized antenna for CA-band applications,”
2020	International Journal of Electronics (UK) vol. 108, no. 03, pp. 411-425	Prasant Chaudary, Ashwani Kumar, Pramod kumar Binod k. kanaujia and Amit Birwal, “Design of a New Metasurface and its Application for Linear to Circular Polarization Conversion,”
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 30, no. 10, pp. e22350	Sumer Singh, Binod k. kanaujia, Ajeet Singh, Jugul kishor and M Ladislao, “Dual-Band Circularly Polarized MIMO DRA for Sub-6 GHz Applications,”
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 30, no. 10, pp. e22357	Kunal Srivastava, Sachin Kumar, Binod k. kanaujia, and Santanu Dwari, “Design and packaging of ultra?wideband multiple?input?multiple?output/diversity antenna for wireless applications,”
2020	IET Circuits, Devices & Systems, (UK) vol. 14, no. 08, pp. 1228-1234	Gunjan Mittal, Binod k. kanaujia, Shantanu Dwari, Sandeep Kumar and Hanjung song, “Performance of An Ultra Wide Band DCBLNA with Suspended Strip line Radiator for Human Breast Cancer Diagnosis Medical Imaging application,”
2020	Wireless Personal Communication Springer vol. 114, No. 75, pp. 3457–3475, June 2020	Geetanjali Rathee, Naveen Jaglan, and Binod k. kanaujia, “An Attack Resilient Framework in Cognitive Radio Network Environment for Inter domain and Intra domain Communication,”
2020	IEEE Sensor Journal, (USA) vol. 20, no. 21, pp. 13086-13096, June, 2020	Ankit Sharma, Santanu Dwari, Binod k. kanaujia, Deepak Gangwar, Sachin Kumar, Satya Prakash and Lay-Ekuakille, “In-band RCS Reduction and Isolation Enhancement of a 24 GHz Radar Antenna using Metamaterial Absorber for Sensing and Automotive Radar Applications”,
2020	IEEE Transactions on Circuits and Systems II, (USA) vol. 67, no. 12, pp. 2998-3002	A. M. Zaidi, M. T. Beg, Binod k. kanaujia, Moinddin and K. Rambabu, “A Compact Dual Band Out of Phase Power Divider Having Microstrip Compatibility,”
2020	Scientific Report Nature, (USA) vol. 10, no. 01, pp. 6795	Vikrant Kaim, Binod k. kanaujia, Sachin Kumar, Hyun Chul Choi, Kang Wook Kim and K. Rambabu, “Ultra-Miniature circularly polarized cpW-fed implantable Antenna Design and its Validation for Biotelemetry Applications,”
2020	Journal of Computational Electronics Springer vol. 19, No. 04, pp. 1564-1572	Dinesh Kumar Singh, Binod k. kanaujia, Shantanu Dwari and Ganga Prasad Pandey, “Modelling of Dual Circularly Polarized Capacitive Coupled Slit Loaded Truncated Microstrip Antenna,”
2020	Wireless Personal Communication Springer vol. 114, No. 102, pp. 3031–3048	Rakesh Nath Tiwari, Prabhakar Singh and Binod k. kanaujia, “A Coalesced Kite Shaped Monopole Antenna for UWB Technology,”

2020	IEEE Access, (USA) vol. 08, pp. 65104-65115	A. M. Zaidi, M. T. Beg, Binod k. kanaujia, Jugul Kishor and K. Rambabu, "A Novel Dual Band Branch Line Coupler and its Application to Design a Dual Band 4× 4 Butler Matrix,"
2020	IEEE Access, (USA) vol. 08, pp. 71593-71604	Shailesh Mishra, Sushrut Das, Shyam Sunder Pattnaik, Sachin Kumar and Binod k. kanaujia, "Three-Dimensional Dual-Band Dielectric Resonator Antenna for Wireless Communication,"
2020	Journal of Electromagnetic Waves and Applications Taylor and Francis vol. 34, no. 9, pp. 1283-1299	Amit Birwal, Sanjeev Singh, Binod k. kanaujia and Sachin Kumar, "Low-profile 2.4/5.8 GHz MIMO/diversity antenna for WLAN applications,"
2020	Microwave and Optical Technology Letters, (USA) vol. 62, no. 07, pp. 2576-2587	Alka Verma, Neelam Srivastava, Binod k. kanaujia, Anil kumar Singh and Shilpee Patil, "Hexagonal Ring Electromagnetic Band Gap based Slot Antenna for Circular Polarization and Performance Enhancement,"
2020	IEEE Sensors, (USA) vol. 20, no. 12, pp. 6745-6752, March, 2020	Madan Kumar Sharma, Mithilesh Kumar, J. P. Saini, Deepak Gangwar, Binod k. kanaujia, Satya P Singh, Aime Lay Ekuakille, "Experimental Investigation of the Breast Phantom for Tumor Detection using Ultra-wide band –MIMO Antenna Sensor (UMAS) Probe",
2020	Microwave and Optical Technology Letters, (USA) vol. 62, no. 02, pp. 806-815	Shailesh Misra, Sushrut Das, Shyam Sunder Pattnaik, Sachin Kumar and Binod k. kanaujia, "A Dual Band Circularly Polarized Elliptical patch Antenna for L1, L2 and L5 Band GPS Application,"
2020	Microwave and Optical Technology Letters, (USA) vol. 62, no. 02, pp. 826-836	Maksud Alam, Maiuddin, Binod k. kanaujia, Mirza Beg, Sachin Kumar and R Rambabu, "A Compact Circularly Polarized Meta-Resonator Enabled Deca-Band Antenna,"
2020	Frequenz (Germany) vol. 74, no. 1-2, pp. 41-51	Alka Verma, Neelam Srivastava, Binod k. kanaujia and Anil kumar Singh, "Circularly Polarized Microstrip Antenna using SLPD Electromagnetic Band Gap Structure,"
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 30, no. 05, pp. e22170	Kunal Srivastava, Sachin Kumar and Binod k. kanaujia, Santanu Dwari, Hyun Chul Choi, Kang Wook Kim "Compact Eight-Port MIMO/Diversity Antenna with Band Rejection Characteristics,"
2020	Journal of Electromagnetic Waves and Applications Taylor and Francis vol. 34, no. 09, pp. 1180-1194	Sumer Singh, Binod k. kanaujia, Ajeet Singh and Jugul kishor, "Multiple Input Multiple Output Dielectric Resonator Antenna with Circular Polarized adaptability for 5G Applications,"
2020	International Journal of Electronics and Communication AEU Elsevier, (Germany) vol. 117, pp. 153126, April, 2020	Rohit Gurjar, Dharmendra Upadhyay and Binod k. kanaujia, Karishma Sharma, "A Compact Modified Sierpinski Carpet Fractal UWB MIMO Antenna with Square-shaped Funnel-like Ground Stub,"
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 30, no. 06, pp. e22195, March 2020	Shailesh Misra, Sushrut Das, Shyam Sunder Pattnaik, Sachin Kumar and Binod k. kanaujia, "Carbon Fiber-Based Deca-Port Multiple-Input-Multiple-Output Antenna with Pattern Diversity and High Inter-Element Isolation,"
2020	Journal of Electromagnetic Waves and Applications Taylor and Francis vol. 34, no. 09, pp. 1239-1253, Jan. 2020	Rakesh Nath Tiwari, Prabhakar Singh and Binod k. kanaujia, "A Low Profile Dual Band MIMO Antenna for LTE/Bluetooth/Wi-Fi/WLAN Applications,"
2020	International Journal of Electronics and Communication AEU Elsevier, (Germany) vol. 115, pp. 153059, Feb. 2020	Neeta Singh, Binod k. kanaujia, Mirza Beg, Mainuddin, Sachin Kumar, "A Compact and Efficient Graphene FET Based RF Energy Harvester for Green Communication,"

2020	Microwave and Optical Technology Letters, (USA) vol. 62, no. 04, pp. 1702-1708, April, 2020	Rakesh Kumar Maurya, Binod k. kanaujia, Anil kumar Gautam and anil Kumar Singh, "Circularly Polarized Hexagonal Ring Microstrip Patch Antenna with Asymmetrical Feed and DGS,"
2020	Frequenz (Germany) vol. 74, no. 5-6, pp. 191-199, 2020	M. K. Verma, Binod k. kanaujia, J. P. Saini, "A broadband circularly polarized cross-slotted patch antenna with horizontal meandered strip (HMS) ,"
2020	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol. 12, No. 7, pp. 678-687, Sept. 2020	Arun Kumar, Shantanu Dwari, Dinesh Kumar Singh, and Ganga Prasad Pandey, Binod k. kanaujia,, "A High Gain Wide band Circularly Polarized Microstrip Antenna,"
2020	Microsystem Technologies Springer vol. 26, pp. 1881-1888	Neeta Singh, Binod k. kanaujia, Mirza Beg, Mainuddin, Sachin Kumar, "A Compact Broadband GFET Based Rectenna for RF Energy Harvesting Applications,"
2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol. 30, no.04, pp. e22108, April 2020	Sumer Singh, Binod k. kanaujia, Ajeet Singh and Jugul kishor, "Dual Port MIMO Dielectric Resonator Antenna for WLAN Applications,"
2020	Wireless Personal Communication Springer vol. 112, pp. 1-16	Sandeep Sharma, Maiuddin, Binod k. kanaujia and Mukesh Kumar Khandelwal, Sachin Kumar, " Theoretical Analysis and Design of High-Stable-Gain Antenna with Ultrawide Band Capabilities and Suppressed Back Radiations,"
2020	International Journal of Electronics and Communication AEU Elsevier, (Germany) vol. 114, pp. 153996	Amit Kumar, Abdul Quaiyum Ansari, Binod k. kanaujia and Jugul kishor, "An Ultra-Compact Two-Port UWB-MIMO Antenna with Dual Band-Notched Characteristics,"
2020	Microwave and Optical Technology Letters, (USA) vol. 62, no. 03, pp. 1438-1447 , March 2020	A. K. Singh, Shilpee Patil, Binod k. kanaujia and V K Pandey, "A Novel Printed Circularly Polarized Asymmetric Wide Slot Antenna for Digital Cellular System,"
2020	IET Circuits, Devices & Systems, (UK) vol. 12, no. 2, pp. 235-242	Rajesh Kumar, Shantanu Dwari, Binod k. kanaujia, Sandeep Kumar and Hanjung song, "A Novel Performance of Cascode Class EF-1 PA with Built-In Techniques for UWB Radar towards Monitoring of Patient Actions"
2020	International Journal of Electronics and Communication AEU Elsevier, (Germany) vol. 114, pp. 153001	Dinesh Raheja, Sachin Kumar and Binod k. kanaujia, "Compact Quasi-Elliptical-Self-Complementary Four-Port Super-Wideband MIMO Antenna with Dual Band Elimination Characteristics"
2020	Microwave and Optical Technology Letters, (USA) vol. 62, no.03, pp. 1281-1290, March 2020	Sandeep Sharma, Maiuddin, Binod k. kanaujia and Mukesh Kumar Khandelwal, Sachin Kumar, " Analysis and Design of Single and Dual Element Bowtie Microstrip Antenna Embedded with Planar Long Wire for 5-G Wireless Applications"
2020	IEEE Transactions on Instrumentation & Measurements, (USA) vol. 69, no. 6, pp. 3847 - 3854 , June 2020	Deepak Gangwar, Ankit Sharma, Binod k. kanaujia, Satya Prakash and Lay-Ekuakille, "Characterization,Performance Measurement Low RCS Wideband Circularly Polarized MIMO Antenna Microwave Sensing Applications"
2020	International Journal of Electronics (UK) vol. 107, no. 04, pp.596-612	Yatendra Kumar, Ravi kumar Gangwar, and Binod k. kanaujia, "Asymmetrical mirror imaged monopole antenna with modified ground structure for DBDP radiations"

2020	International Journal of RF and Microwave Computer-Aided Engineering, (USA) vol.30, no.01, pp. e22001, Jan.2020	Shailesh Misra, Sushrut Das, Shyam Sunder Pattnaik, Sachin Kumar and Binod k. kanaujia, “3-D Cylindrical Design MIMO/Diversity Antenna with High Isolation for Wireless Communication Applications”
2020	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol. 12, No.04 pp. 316-322, May 2020	Kunal Srivastava, Ashwani Kumar and Binod k. kanaujia, “A Low-Profile Wideband Circularly Polarized MIMO Antenna with Pattern and Polarization Diversity”
2020	International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK) vol. 12, No. 03, pp.212-220, April 2020	Alka Verma, Neelam Srivastava, Binod k. kanaujia and Anil kumar Singh, “Slot loaded EBG based Metasurface for performance improvement of Circularly Polarized Antenna for WiMAX applications,”
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2006	Indian Journal of Radio and Space Physics (INDIA) vol. 35, pp. 122-128, April 2006	Binod k. kanaujia and Babau R. Vishvakarma, “Reactively Loaded Annular Ring Microstrip Antenna For Multi-Band Operation,”
2004	IEEE Trans. Antennas Propagat., (USA) vol. 52, no. 1, pp. 88-97, Jan. 2004	Binod k. kanaujia and Babau R. Vishvakarma, “Analysis of Gunn integrated annular ring microstrip antenna,”
2003	Microwave Opt. Technol. Lett., (USA) vol. 36, no. 2, pp. 104-108, January 2003	Binod k. kanaujia and Babau R. Vishvakarma, “Analysis of two-concentric annular ring microstrip antenna,”

2003	Indian Journal of Radio and Space Physics (INDIA) vol. 32, pp. 166-171, June 2003	Binod k. kanaujia and Babau R. Vishvakarma, "Some investigations on annular ring microstrip antenna,"
2002	Int. Journal of Electronics. (UK) vol. 89, no. 8, pp. 665-677, August 2002	Binod k. kanaujia and Babau R. Vishvakarma, "Design considerations for the development of the annular ring microstrip antenna,"

Conference Publications :

Year	Conference	Publication
2021	IEEE International applied Computational electromegnetis Society symposium (ACES), hemilton, Canada, 1-5 August. 2021, pp. 1-3, (IEEE explores)	Rakesh Nath tiwari, Prabhakar Singh, Binod k. kanaujia and P. Kumar, "UWB MIMO Antenna with Decoupling Strip for 5G Applications
2021	2021 IEEE International Conference on RFID Technology and Application (RFID-TA), India, 6-8 Oct. 2021, pp. -, (IEEE explores)	Chandni Bajaj, Dharmendra Kumar Upadhyay, Sachin Kumar and Binod Kumar Kanaujia, "Compact Dual-Band Circularly-Polarized Cross-Dipole Antenna for Portable RFID Readers
2021	2021 IEEE International Conference on RFID Technology and Application (RFID-TA), India, 6-8 Oct. 2021, pp. -, (IEEE explores)	Chandni Bajaj, Dharmendra Kumar Upadhyay, Sachin Kumar and Binod Kumar Kanaujia, "Compact Circularly Polarized 2.45/5.8-GHz Antenna for RFID Readers
2021	2021 International Conference on Communication, Control and Information Sciences (ICCISc), hemilton, India, 16-18 June 2021, pp. -, (IEEE explores)	Chandni Bajaj, Dharmendra Kumar Upadhyay, Sachin Kumar and Binod Kumar Kanaujia, "Circularly Polarized Cross-Dipole Antenna with a Double Layer AMC Backing for UHF RFID Readers
2020	IEEE Electrical Design of Advanced Packaging and Systems (EDAPS), Shenzhen, China, Dec 2020, pp. 1-3,, (IEEE explores)	Aijaz M. Zaidi, Jugul Kishor, Mirza Tariq Beg, Kunal Srivastava, Binod k. kanaujia and K. Rambabu, "A Hexa-band Gysel Power Divider for Microwave Applications
2020	Third International Conference on Advances in Electronics, Computers and Communications (ICAIECC), Bengaluru, India, 2020, pp. 1-4. (IEEE explores)	Shobhot Saxena, Santnu Dwari and Binod k. kanaujia, "Design of 4(N+1) Element Dual-CP Massive MIMO Antenna for 5G Systems Operating in Sub-6 GHz Band,"
2020	IEEE INDIACom International Conference 2020, NSUT New Delhi, March, 01-03, 2020 (to be IEEE explores).	Amit Das, Binod k. kanaujia, Vandan Nath, S Rewari, and R S Gupta, Impact of Reverse Gate Oxide Stacking on Gate All Around Tunnel FET for High Frequency Analog and RF Applications",
2019	European Microwave Conference in Central Europe 2019 (EuMCE), 13-15 May 2019, 978-2-87487-067-5, pp. 302-305, (IEEE explores).	Aijaz M. Zaidi, Binod k. kanaujia, Mirza Tariq Beg, Kunal Srivastava and Sandeep Sharma, "A Dual Band Wilkinson Power Divider with Extended Band Ratio,"
2019	Antennas Design and Measurement International Conference 2019 (ADMInC), 16-18 Oct 2019, 978-1-7281-35991-1, pp. 130-134, (IEEE explores)	Aijaz M. Zaidi, Binod k. kanaujia and Mirza Tariq Beg, "A Novel Design of Single Band 4X4 Butler Matrix using Branch Line Couplers without a Crossover and a Phase Shifter,"
2019	IEEE 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019, 07-08 March 2019, 8711598, pp. 1014-1017, (IEEE explores)	Dinesh Kr Raheja and Binod k. kanaujia, "CPW Fed Elliptical SWB Antenna with Dual Band Elimination,"
2019	IEEE International Conference on Computing, Power and Communication Technologies (GUCON)2019, 27-28 Sept. 2019, 978-93-5351-098-5, pp. 563-565, (IEEE explores)	Maksud Alam, Mainuddin, Binod k. kanaujia, M.T. Beg and Sachin Kumar, "A Low Profile Ultrawide Band Antenna for WLAN/Wi-Max/C-Band Wireless applications,"

2019	2019 URSI Asia-Pacific Radio Science Conference, AP-RASC 09-15 March 2019, 8738212. (IEEE explores).	R L Meena, M. K. Avinsh, Dabhade, Kuanl Srivastava and Binod k. kanaujia "Antenna design for fifth generation (5G) applications,
2018	IEEE Indian Conference on Antenna and Propagation (InCap-2018) 16-19 Dec 2018, Hyderabad International Convention Center, Hyderabad, India. (IEEE explores)	Amit Birwal, Sanjeev Singh and Binod k. kanaujia, "CPW-fed broadband circularly polarized antenna for GNSS and Wi-Fi applications,"
2018	IEEE –MTTS, International Microwave & RF conference (IMaRC-2018) Kolkata India, 28-30 Nov. 2018, pp. -. (IEEE explores)	Amit Kumar, Abdul Quaiyum Ansari, Binod k. kanaujia, Jugul Kishor and Prashant Kandpal, "Design of CPW-Fed Triple-Band Two-Port MIMO Antenna with U- Shaped Slot Isolation Structure for High Isolation,"
2018	3rd International Conference on Microwave and Photonics (CMAP-2018) 09-11 February 2018, ISM Dhanbad India, (IEEE explores)	Rohit Gurjar, Dharmendra Upadhyay and Binod k. kanaujia. "Compact four-element 8-shaped self-affine fractal UWB MIMO antenna,"
2017	Electrical, Computer and Electronics (UPCON), 2017 4th IEEE Uttar Pradesh Section International Conference on, 195-198, 2017 (IEEE explores).	Hari Singh, Binod k. kanaujia, Neha Verma, Kunal Srivastava and Ashwani Kumar, "Wide band circularly polarized antenna with anisotropic meta-material ground plane"
2017	2nd International Conference on Integrated Circuits and Microsystems, ICICM 2017-November, pp. 120-123 (IEEE explores).	Aijaz M. Zaidi, Syed A Imam, A. Chaudary, Binod k. kanaujia and M K Singh, "A quad band quadrature branch line coupler using coupled line sections,"
2017	IEEE INDIACom International Conference 2017, BVICAM New Delhi, March, 01-03, 2017	Rakesh K. Maurya, Binod k. kanaujia, A. K. Gautam, S. Chatterji and A. K. Singh, "ANN and ANFIS Analysis Model for Physical Parameters of circularly polarized Annular Ring Slot Antenna with Truncated Corners",
2017	IEEE INDIACom International Conference 2017, BVICAM New Delhi, March, 01-03, 2017	Sandeep Sharma, S.A. Imam and Binod k. kanaujia, "Bandwidth Enhancement of Microstrip Patch Antenna for Modern Wireless Applications using Defected Ground Structure",
2017	IEEE INDIACom International Conference 2017, BVICAM New Delhi, March, 01-03, 2017	Kamal Preet Kaur, Neeta Singh and Binod k. kanaujia, "Design of Miniaturized 2.45 GHz Rectenna with Circular Polarization for Wireless Power Transmission",
2017	IEEE INDIACom International Conference 2017, BVICAM New Delhi, March, 01-03, 2017	Aijaz M. Zaidi, Syed A Imam and Binod k. kanaujia, "A New Dual Band Quadrature Branch Line Coupler for Wireless Local Area Network",
2017	IEEE INDIACom International Conference 2017, BVICAM New Delhi, March, 01-03, 2017	Priyanka Choudhary, Prateek Singh, Binod k. kanaujia and Santanu Dwari, "Octa-Band Monopole Antenna for Wireless Communication",
2017	IEEE INDIACom International Conference 2017, BVICAM New Delhi, March, 01-03, 2017 (to be IEEE explores)	Ankit Sharma, Santanu Dwari, Deepak Gangwa, Binod k. kanaujia and Tanvi, "Wide-Band Metamaterial Absorber Surface for Radar Cross Section Reduction",
2016	IEEE International Conference on emerging trends on Communication Technology 2016, Dehradun, Nov., 18-19, 2016 (IEEE explores).	Aijaz M. Zaidi, Syed A Imam, Binod k. kanaujia and Ved P. Dubey, "A New Wideband 3dB Power Divider for Dual Band Applications",
2016	IEEE International Conference on Signal Processing and Communication 2016, Noida, Dec., 25-27, PP. 89-94, 2016 (IEEE explores).	Naveen Jaglan, Samir D Gupta, Sweta Srivastava and Binod k. kanaujia, "Satellite downlink communication band notched UWB antenna using uniplanar EBG structure",

2016	IEEE International Conference on Signal Processing and Communication 2016, Noida, Dec., 25-27, PP. 79-82, 2016 (IEEE explores)	Manoj Garg, Jasmine Saini, Sandeep Kumar, Binod k. kanaujia, Gunjan Mittal, "Extracted LC model of mono-pole antenna with T-slot for UWB application",
2016	IEEE ICPEICE 2016, DTU New Delhi, July, 04-06, 2016 (IEEE explores).	Dalela C., Prasad, M. V. S. N. and Kanaujia, B. K., "Experimental investigation at 2300MHz with AWAS Electromagnetic code",
2016	IEEE International Conference on SMART 2016, T.M.University Moradabad, Nov., 25-27, 2016 (IEEE explores).	Rakesh Nath Tiwari, Prabhakar Singh and Binod k. kanaujia, "Design of microstrip antenna with modified feeding technique for S-band communication system",
2016	IEEE APMC 2016, New Delhi, Dec. 5-9, 2016 (to be IEEE explores)	Priyanka Choudhary, D. Kaur, Binod k. kanaujia and S.Dwari, "Triple-Band Frequency Agile Monopole Antenna using PIN diode for Wireless communications",
2015	IEEE AEMC 2015, IIT Guwahati Dec. 18-21, 2015 (IEEE explores)	Rich Chandel, Anil K. Gautam, and Binod k. kanaujia, "Annular ring Antenna for UWB Applications",
2015	IEEE AEMC 2015, IIT Guwahati Dec. 18-21, 2015 (IEEE explores)	Alaknanda Kunwar, Anil K. Gautam, and Binod k. kanaujia, "Triple Band Antenna Combining Minkowski and Modified Sierpinski Fractal Geometry",
2015	IEEE AEMC 2015, IIT Guwahati Dec. 18-21, 2015 (IEEE explores)	Swati Yadav, Anil K. Gautam, and Binod k. kanaujia, "Design of Dual Band Notched UWB Antenna",
2015	IEEE India International Conference 2015, Jamia Milia Islamia New Delhi, Dec. 17-20, 2015 (IEEE explores)	Deepshikha Shukla, Bimal Datta, and Binod k. kanaujia, "Design of Microwave Imaging based Microstrip Ultra-wideband antenna",
2015	IEEE –MTTS, International Microwave & RF conference (IMaRC-2015) Hyderabad India, 10-12 Dec. 2015, pp. 352-355. (IEEE explores)	Kunal Srivastava, Ashwani Kumar, and Binod k. kanaujia, "Integrated 23-Cm and UWB antenna with dual notched characteristics"
2015	IEEE India International Conference 2015, Jamia Milia Islamia New Delhi, Dec. 17-20, 2015 (IEEE explores)	M K Arti and Binod k. kanaujia, "Analytical Performance of AF Relaying in Satellite Communication System",
2015	IEEE International Conference on Futuristic Trends on Computational Analysis and Knowledges Management (ABLAZE) Proceedings Amity Greater Noida, India, 25-27 Feb. 2015, pp.242-245 (IEEE explores)	J. P. Keshari, Binod k. kanaujia, Sandeep Kumar, R. M. Mehara and Dinesh kumar Singh, "Improved Efficiency of Power Amplifier Using CPW for K-band Applications"
2014	8th European conference on Antenna and Propagation (EuCAP 2014) pp. 2155-2158, The Hague, Netherlands, 6-11 April 2014. (IEEE explore)	A. K. Singh, Ravi Kumar Gangwar and Binod k. kanaujia, "Cavity Backed Annular Ring Microstrip Loaded with Concetric Circular Patch",
2014	IEEE International Conference on Industrial and Information Systems IIITM Gwalior India 15-17 Dec. 2014, pp.1-4. (IEEE explores)	Krinsna Kant Gupta and Binod k. kanaujia "Miniturization and Bandwidth Enhancement of Microstrip Patch Antenna Using Artificial Ground Structure"
2014	IEEE International Microwave & RF conference (IMaRC-2014) Bangalore India, 15-17 Dec. 2014, pp. 198-200. (IEEE explores)	Gunjan Srivastava, Garima Srivastava, Binod k. kanaujia, and Santnu Dwari "A Compact 4x4 Ultrawideband (UWB) Band Notched MIMO Antenna",
2014	IEEE International Conference on Industrial and Information Systems IIITM Gwalior India 15-17 Dec. pp. , 2014. (IEEE explores)	Himanshu bhasin, Sandeep Kumar, Mitul Handa, Binod k. kanaujia and Santanu Dwari "Analysis and Design of CMOS LNA Using Resilient technique for SRR Applications"

2014	IEEE International Conference on Industrial and Information Systems IIITM Gwalior India 15-17 Dec. pp. , 2014. (IEEE explores)	Mitul Handa, Sandeep Kumar, Himanshu bhasin, Binod k. kanaujia and Santanu Dwari “Analysis of Threshold Voltage Variation using Stacked-FET Power Amplifiers”
2014	IEEE International conference on Computational Intelligence and Communication Networks Udaipur India, 14-16 Nov. 2014, pp.30-32. (IEEE explores)	Danish Rashid, Sachin Kumar, Binod k. kanaujia, and A. K. Gautam “Compact Cross Shaped Slit Circularly polarized Microstrip Antenna for GNSS Application”,
2013	IEEE antennas Propagation Soc. Int. Symp. Dig., Orlando (USA) 7-12 July 2013. (IEEE explore)	A. K Gautam, swati yadav and Binod k. kanaujia “An Inverted L strip UWB Microstrip Antenna,”
2013	IACC-2013. (IEEE explore)	Pradeep Rana Subodh Kumar Tripathi Manoj Kumar Pal, Binod k. kanaujia, “Ultra Wide Band Dual Stacked Microstrip Antenna with Narrow Slits,”
2013	6th IEEE/International Conference on Advanced Infocomm Technology (ICAIT) Hsinchu, Taiwan, 6-9 July 2013. (IEEE explore)	A. K. Singh, Ravi Kumar Gangwar and Binod k. kanaujia, “Bandwidth Enhancement of L-Probe Proximity-Fed Annular Ring Microstrip Slot Antenna”,
2013	International Conference on Microwave and Photonics (CMAP-2013) 13-15 December 2013, ISM Dhanbad India. (IEEE explore)	Abhishek Sharma, Binod k. kanaujia, and Sachin Kumar “Compact Microstrip Antenna Loaded with T-shaped Slot Communications”
2013	International Conference on Microwave and Photonics (CMAP-2013) 13-15 December 2013, ISM Dhanbad India. (IEEE explores)	A. K. Singh, Ravi Kumar Gangwar, Binod k. kanaujia, and Abhishek Sharma “Effect of Cylindrical Cavity Enclosure on Resonance Frequency of Annular Ring Microstrip Antenna”
2013	International Conference on Microwave and Photonics (CMAP-2013) 13-15 December 2013, ISM Dhanbad India. (IEEE explores)	Mukesh kumar Khandelwal, Binod k. kanaujia, Santanu Dwari and Sachin Kumar “Design and Analysis of Microstrip DGS Patch Antenna with Enhanced Bandwidth for Ku Band Applications”
2013	International Conference on Microwave and Photonics (CMAP-2013) 13-15 December 2013, ISM Dhanbad India. (IEEE explores)	Dinesh Kumar Singh, Santanu Dwari, Binod k. kanaujia, and Gang Prasad Pandey “L-Strip fed Circularly Polarised Microstrip Antenna with Cross Slots”
2013	International Conference on Microwave and Photonics (CMAP-2013) 13-15 December 2013, ISM Dhanbad India. (IEEE explores)	Abhishek Sharma, Sachin Kumar, Binod k. kanaujia, and Mukesh kumar Khandelwal “Truncated Compact Circular Microstrip Antenna Loaded with Asymmetric Slits”
2013	IEEE antennas Propagation Soc. Int. Symp. Dig., Orlando (USA) 7-12 July 2013. (IEEE explores)	Binod k. kanaujia Ganga P Pandey and A. K Gautam, “Capacitive Coupled Wide frequency Notched MSA,”
2013	IEEE antennas Propagation Soc. Int. Symp. Dig., Orlando (USA) 7-12 July 2013. (IEEE explores)	Ashish Sharma and Binod k. kanaujia, “Dual Band Composite Metamaterial,”
2012	Proc. Of the Intl Conf of Advances in Electronics, Electrical and Computer Science Engg.pp. 122-127, EEC2012ISBN:978-981-07-2950-9	Ganga Prasad Pandey, Binod k. kanaujia, Surendra K. Gupta and A. K. Gautam “frequency Agile Stacked Circular Microstrip Antenna for Wireless Systems”,
2012	Proc. Of the Intl Conf of Advances in Electronics, Electrical and Computer Science Engg, pp.170-175, EEC2012, ISBN: 978-981-07-2950-9	Surendra K. Gupta, Binod k. kanaujia, Ganga Prasad Pandey and A. K. Gautam “MOS Loaded Circular Microstrip Antenna with Airgap for Modern Communications”,
2012	IEEE International conference on Computational Intelligence and Communication Networks Mathura India, 03-05 Nov. pp. 10-14, 2012 (IEEE explores)	Ashish Sharma, Surendra K. Gupta, Binod k. kanaujia, Ganga Prasad Pandey and A. K. Gautam “Analysis of Superstrate loaded slit cut Circular Patch Antenna for Triple band Operations”,

2012	IEEE International conference on Computational Intelligence and Communication Networks Mathura India, 03-05 Nov., pp. 27-31, 2012 (IEEE explores)	Ashish Sharma, Surendra K. Gupta, Binod k. kanaujia and Ganga Prasad Pandey “Compact Multiband Slit cut Circular Patch Antenna over SRR banded Metamaterial Substrate with Shorting Posts”,
2012	2012 IEEE Asia-Pacific Conference on Antennas and Propagation, APCAP 2012 - Proceedings p 263-264, Singapore August 27-29, 2012 (IEEE explores)	A. K. Gautam, R. Negi and Binod k. kanaujia, “Square Ring Microstrip for Circular Polarization Operation”,
2012	International conference on Communication and Electronics 2012 KIET Ghaziabad India, 19-20 Oct. 2012	Binod k. kanaujia and Deepti Sharma “Improved Bandwidth and Return loss using Half U-Slot loaded RMPA on E.B.G. Structure”,
2012	International Conference on Communications, Devices and Intelligent Systems (CODIS), December 28 & 29, 2012, ISBN 978-1-4673-4698-6, pp. 524-526, Jadavpur University Kolkata (IEEE explores)	A K Gautam, Ajay Kumar, Rohit Negi and Binod k. kanaujia. “An Annular-Ring Slot Antenna with pair truncated corners for Circular Polarization Operation”
2012	International Conference on Communications, Devices and Intelligent Systems (CODIS) December 28 & 29, 2012, ISBN 978-1-4673-4698-6, pp. 195-197, Jadavpur University Kolkata (IEEE explores)	A. K. Gautam, Sudarshan Joshi, Rohit Negi and Binod k. kanaujia. “Design of Quad Band 2×2 Planar Microstrip Array”
2011	IEEE International conference on Computational Intelligence and Communication Networks Gwalior India, 07-09 Oct. 2011 (IEEE explores)	Saurabh Kumar, Binod k. kanaujia and Rajesh Kumar, “Optimization of Resonant Frequency of Circular Patch Microstrip Antenna Using Particle Swarm Optimization,”
2011	IEEE International conference on Computational Intelligence and Communication Networks Gwalior India, 07-09 Oct. 2011 (IEEE explores)	Sandeep Sharma and Binod k. kanaujia, “Resonant Frequency of Circular Microstrip Antenna with and without Air Gaps using Bacterial Foraging Optimization Technique,”
2011	IEEE International conference on Computational Intelligence and Communication Networks Gwalior India, 07-09 Oct. 2011 (IEEE explores)	Shilpi Patil and Binod k. kanaujia, “Tunable Stacked Circular Microstrip Antenna,”
2011	IEEE international conference on microwave, Communications, antenna and Electronic Systems COMCAS 2011, Israel November 7-9, 2011	A.K. Gautam, Pramod Benjwal and Binod k. kanaujia, “A Compact Square Microstrip Antenna for Circular Polarization”,
2011	IEEE AEMC Kolkatta Dec. 18-22, 2011 (IEEE explores)	A.K. Gautam, Pramod Benjwal and Binod k. kanaujia, “Active Microstrip Antenna for Circular Polarization”,
2010	IEEE, International Conference on Computational Intelligence and Communication Networks CICN 10, 26-28 November 2010, pp. 519-522, RGPV Bhopal. (IEEE explores)	Shobhit saxena, Manav R. Bhatnagar and Binod k. kanaujia, “Golden STBC-OFDM for MIMO Communications”
2010	IEEE, International Conference on Computational Intelligence and Communication Networks CICN 2010, 26-28 November 2010, pp. 603-607, RGPV Bhopal. (IEEE explores)	Ruchir Gupta, Manoj Mishra and Binod k. kanaujia, “Analysis and Design of Prime Interleaver for Multiuser Iterative IDMA Systems,”
2010	International Conference on Microwave Antenna, Propagation & Remote Sensing “ICMARS-2010” 14th to 17th December, 2010	Ganga Prasad Pandey, Binod k. kanaujia and Surendra K. Gupta, “A Novel Ultra Wide Band Circular Microstrip Antenna for Mobile Base Station,”
2010	International Conference on Microwave Antenna, Propagation & Remote Sensing “ICMARS-2010” 14th to 17th December, 2010	Surendra K. Gupta, Binod k. kanaujia, Ganga Prasad Pandey and Sumanta Sethi “Analysis of Slot Loaded Equilateral Triangular Microstrip Patch Antenna,”

2010	International Conference on Microwave Antenna, Propagation & Remote Sensing "ICMARS-2010" 14th to 17th December, 2010	Alka Verma, Binod k. kanaujia, Neelam Shrivastava and DoshantVerma "Rectangular Microstrip Antenna Symmetrically Loaded with Gunn Diodes,"
2010	International conference on Information Security 2010, pp. 1-6, IIIT Allahabad 21st -24th Jan.2010 (IEEE explores)	Pravindra Kumar, Binod k. kanaujia and M. Gangadharappa, "Analytical Results For BER Performance of Rake Receiver in Rayleigh Fading Channel for UMTS environment,"
2009	IEEE AEMC Kolkatta Dec. 14-16, pp. 1-4, 2009, (IEEE explores)	Ganga Prasad Pandey, Binod k. kanaujia and Surendra K. Gupta, "Double MOS loaded Circular Microstrip Antenna for frequency Agile,"
2008	IET, International conference on wireless, Mobile and Multimedia Networks January 11-12, 2008, pp. 13-16, Mumbai (INDIA) (IEEE explores)	Binod k. kanaujia, Anil k. Singh, R. K. Maurya and Siva Jiaswal, "Concentric Annular Ring Microstrip Antenna Array,"
2008	IET, International conference on wireless, Mobile and Multimedia Networks January 11-12, 2008, pp. 9-12, Mumbai (INDIA), (IEEE explores)	Binod k. kanaujia, Anil k. Singh, R. K. Maurya and Indra Preet Kaur, "Frequency Agile Annular Ring Microstrip Aantenna Loaded with IMPATT Diode,"
2008	IET, International conference on wireless, Mobile and Multimedia Networks January 11-12, 2008, pp. 78-80, Mumbai (INDIA), (IEEE explores)	R. K. Maurya, Binod k. kanaujia, Anil k. Singh, Brahm Deo Yadav and Ritu Rani, "Wireless Home Security & Teleguard System,"
2008	International Conference on Radio Science (ICRS-2008), February 27-29, 2008, Jodhpur (INDIA)	Anil k. Singh, Binod k. kanaujia and Babau R. Vishvakarma, "Design and Consideration of Tunnel Diode Loaded Annular Ring Microstrip Antenna,"
2008	International Conference on Radio Science (ICRS-2008), February 27-29, 2008, Jodhpur (INDIA).	Anil k. Singh, Binod k. kanaujia and Babau R. Vishvakarma, "Frequency Agile Annular Ring Microstrip Antenna Symmetrically loaded with MOS Capacitor,"
2008	International Conference on Radio Science (ICRS-2008), February 27-29, 2008, Jodhpur (INDIA)	R. K. Maurya, Binod k. kanaujia Anil k. Singh, and A. K. Gautam "Rectangular Microstrip Antenna Symmetrically loaded with IMPATT,"
2008	First International Conference on Emerging Trends in Engineering & Technology (ICETET-08), Nagpur, July 16-18, 2008	Yatendra Kumar, Anil k. Singh, Binod k. kanaujia and Indra Preet Kaur, "Frequency Agile Circular Patch Antenna Loaded with Gunn Diode,"
2007	National Seminar ACST, SRMS-Bareilly, 15th April 2007	Anil k. Singh, Binod k. kanaujia R. K. Maurya and Babau R. Vishvakarma, "frequency agile Microstrip antenna,"
2007	ICIIS-2007, Peradeiya, Sri Lanka, August 08-11, 2007	Anil k. Singh, Binod k. kanaujia and Babau R. Vishvakarma, "Design and Development of noise parameter in Gunn loaded annular ring Microstrip antenna,"
2003	International conference, ICMARS-2003, JODHPUR, 15-19 Dec. 2003	Binod k. kanaujia and Babau R. Vishvakarma, "Frequency agile annular ring microstrip antenna on ferrite substrate,"
2002	National Seminar MD-2002 MJPRU Bareilly March 9-10, 2002	Binod k. kanaujia and Babau R. Vishvakarma, "Gunn Integrated annular ring microstrip antenna,"
2002	Proc. APSYM, -2002, Cochin, pp. 32-36	Binod k. kanaujia and Babau R. Vishvakarma, "Active annular ring microstrip antenna,"
2002	Proc. NCTMRA-2002, Ambikapur, pp. 9-12	Binod k. kanaujia and Babau R. Vishvakarma, "Tunable annular ring microstrip antenna for mobile communication,"
2002	Proc. JINA, Nice, France, Nov. 12-14, 2002	Binod k. kanaujia and Babau R. Vishvakarma, "Analysis of two concentric annular ring resonators using planar waveguide model,"

2002	IEEE antennas Propagation Soc. Int. Symp. Dig., Texas (USA) 16-21 June 2002, pp. 466-469. (IEEE explores)	Binod k. kanaujia and Babau R. Vishvakarma, “Some investigations on annular ring microstrip antenna,”
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Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Principal investigator		Design and Development of Biologically Inspired Retinal Prosthesis Based Biomedical Implant to Restore Vision to the Blind	Science and Engineering Research Board (SERB), Government of India	March 2022	21 March 2025	23.28 (Lacs)	Ongoing	
Principal investigator		Design and Development of Wirelessly Powered Nanoscale Integrated Antenna Enabled Leadless Cardiac Pacemaker System for Wireless Monitoring of Heart Health	Indian Council of Medical Research (ICMR), Government of India	March 2022	21 March 2025	79.58 (Lacs)	Ongoing	
Principal investigator		Design and Development of Nanoscale Integrated System Alongwith Conformal Antenna as Capsule Prototype for Wireless Capsule Endoscopy	Department of Science and Technology (DST), Government of India	22 March 2021	21 March 2024	73.85 (Lacs)	Ongoing	

CO-Principal investigator		National Institute of Technology Silchar (India), Jawaharlal Nehru University Delhi (India) and California State University Northridge (USA)	VAJARA SERB Government of India	22 July 2020	21 July 2022	104 (Lacs)	Ongoing	
CO-Principal investigator		Investigations on Massive MIMO antenna for future Wireless Communication	AICTE, Government of India	2019	March 2021	16.92 (Lacs)	Completed	
Principal investigator		Design and Development of Metamaterial based antenna array in millimeter wave frequency for the object detection in dusty atmosphere	DRDO DLJ, Government of India	2019	2021	9.87 (Lacs)	Completed	
CO-Principal investigator		Studies on The Propagation Attenuation Characteristics of 94 GHz Waves in FOG & RAIN	DRDO RCI, Government of India	2015	2017	21.00 (Lacs)	Completed	

Principal Investigator		Analysis and Design of Frequency Agile Microstrip Antenna for wireless Communication	Department of Science and Technology Government of India	2011	2014	47 (Lacs)	Completed	
Principal investigator		Analysis and Design of A Novel Reconfigurable Stacked Microstrip Patch Radiator for wide band applications	AICTE, Government of India	2011	2013	19 (Lacs)	Completed	
CO-Principal investigator		On Wafer RF Characterization of GaAs/GaN Devices & Circuits up to 40 GHz	DRDO SSPL, Government of India			12 (Lacs)	Completed	
CO-Principal investigator		Analysis and Design of WideBand Compact Rectangular Patch Antenna embedded on cylindrical pin structure	SAC Ahmedabad, Government of India	2011	2013	20 (Lacs)	Completed	

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Mr Prabal Pratap	Design and Analysis of Triangular Microstrip Antenna	Awarded	September 2017	
Bhavya Alankar	A System Approach For Exploring Reconfigurable Computing	Awarded	September 2017	
Mr. Rakesh Kumar Maurya	Adaptive Neuro-Fuzzy Based Inference System for Design & Analysis of Microstrip Antenna	Awarded	September 2017	
Mr Sandeep Sharma	Microstrip Patch Antenna With Defected Ground Structures for Wireless Applications	Awarded	October 2021	
Mr Jugul Kishor	Design and Analysis Bandpass Filter Using Ring Dielectric Resonator	Awarded	October 2017	
Mr Jaishanker Prasad Keshari	Design and Analysis of Microstrip antenna based on Active Integrated Device	Awarded	October 2017	

Mr Mahesh Kumar Verma	SOME INVESTIGATION ON MICROSTRIP ANTENNAS FOR WIRELESS COMMUNICATIONS	Awarded	November 2021	
Mr Rajesh Kumar	Design and Analysis of reconfigurable Microwave Power amplifier for Wireless Application	Submitted	November 2021	
Mr Amit Birbal	Design of compact Antenna for Internet of Things Based (IoT) Based applications	Awarded	November 2021	
Mrs Shilpee	Study and Design of Circularly Polarized Slot Antennas for Wireless Applications	Awarded	November 2018	
Mr. Anil kumar Singh	Compact and Wide-Band Annular Ring Microstrip Antenna	Awarded	November 2016	
Mr Naveen Jaglan	Design and Development of Microstrip antenna integrated with Electromagnetic Band gap Structures	Awarded	May 2017	
Mr Vikrant Kaim	Design and Analysis of Implantable Antennas for Biomedical Applications	Submitted	March 2022	
Mr Hari Singh	Investigation on Wearable Antennas for Body Area Network	Submitted	March 2022	
Ms Garima Srivastava	Design and Analysis of Utra Wide Band MIMO antennas for wireless communication	Awarded	March 2016	
Mr Amit Kumar	Investigations on Mutual Coupling Reduction among Microstrip Antennas	Awarded	July 2020	
Mr. Yatendra kumar	Some Investigation of Circular Microstrip antenna	Awarded	January 2022	
Ms Alka Verma	Design and Analysis of Circular Polarized Microstrip Antenna with EBG Structures	Awarded	February 2022	
Mr Praveen chaurasia	Analysis and Design of Microstrip Antenna using Engineered Material for Modern Wireless Application	Awarded	February 2022	
Mrs Gunjan Mittal	Performance Analysis of Active Antenna Integrated Low Noise Amplifier for Modern Wireless Communication System	Submitted	February 2022	
Mr. Kunal Shrivastava	Design of Wideband and Multiband Microstrip Antennas for Wireless Applications	Awarded	February 2021	
Mr Dinesh Kumar Singh	Investigation on Microstrip Antenna for Modern Wireless Communication System	Awarded	February 2016	
Mr Sandeep Kumar	D Design of CMOS Transreceiver System with Reconfigurable Microstrip Antenna for Modern Wireless Applications	Awarded	February 2016	
Ms Gunjan Srivastava	Ultra Wideband (UWB) antennas for Wireless Communication Applications	Awarded	February 2016	
Mr.G P Pandey	Investigation on Radiation Properties of Tunable Microstrip Antenna	Awarded	February 2015	
Mr Mukesh Kumar Khandelwal	Low Profile Microstrip Antenna with Deflected Ground Plane for Wireless Applications	Awarded	February 2015	
Mr Ankit Sharma	Design and Analysis of Metamaterial Loaded Antennas for Low Radar Cross Section and Gain Enhancement	Awarded	December 2021	
Ms Neetu	Theoretical Analysis of Rectangular DRA by Perturbation Technique	Submitted	December 2021	

Mr. Maksud Alam	Design and Analysis of Microstrip Antenna for wireless applications	Awarded	August 2021	
Mr. Shobhit Saxena	Design and Development of Planar Wide-Slot Antennas for Contemporary Wireless Communication Applications	Awarded	August 2021	
Mr Rakesh Nath Tiwari	Multi-Slotted Planar Radiating Structures for Wideband/Ultraband applications	Awarded	August 2020	
Ms Neeta Singh	Design and Analysis Rectenna for RF Energy Harvesting Applications	Awarded	August 2020	
Mr D K Raheja	Some Investigation on Elliptical Microstrip Antenna	Awarded	August 2020	
Mr Aijaz Zaidi	Design and Analysis of Multiband Circuits and Systems for Microwave Applications	Awarded	August 2020	
Mr Sumer Singh Singhwal	Some Investigation of Dielectric Resonator Antenna	Awarded	August 2020	
Mr Surendra k Gupa	Investigation on Circular Microstrip antenna for Multiband Applications	Awarded	August 2015	
Mr Sachin Kumar	Design and Analysis of Microstrip antenna for Circular Polarization	Awarded	April 2016	
Mr Umesh Singh	Transceiver design for Full Duplex Spectrum Sharing and Energy Harvesting System			
Ms Deepti Sharma	Design and Implementation of Compact Planar Antennas for Biomedical Applications			
Ms Sarita Ahlawat	Design and Analysis of Differential Antennas for Biomedical Applications			

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Pratap Gaurav Upadhyay	Triple-Band Mixed-Polarized Unidirectional Patch Antenna for RFID Reader Applications	Completed	2016	
Chetna Joshi	Shifting of Absorption Spectra with shifting of layers for a double layer Metamaterial Absorber	Completed	2016	
Kamalpreet Kaur	Design of Miniaturised 2.45 GHz Rectenna with Circular Polarization for Wireless Power Transmission	Completed	2016	
Tanvi	CSRR Loaded Triple Band triple Polarized Microstrip Antenna	Completed	2016	
Gaurav Suman	Beam Steering System for Phased Array Antenna Using Reflection Type Phase Shifter	Completed	2016	
Neeta Singh	Some Investigation on Rectifier using DGS Antenna	Completed	2015	
Neha Gupta	Some Investigation on Decorative Transparent Glass Triangular DRA	Completed	2015	
km Nishu	Probe Fed Magneto-Electric Dipole antenna with Low Profile and simple Structure	Completed	2015	
Priti Singal	Design of Planar inverted F antenna for wireless Application	Completed	2015	
Danish Rashid	Design and Analysis of Compact Circular Polarized Microstrip Antenna with Cross Slit Ground Plane	Completed	2014	
Kavita Jha	Some Investigation on Spiral Antenna using Metamaterial	Completed	2014	

Gagandeep Singh	Bandwidth Enhancement of Asymmetric E Shaped Patch Antenna for Circular Polarization	Completed	2014	
Swati Sharma	Design and Analysis of RECTENNA using three Dipole Array for ISM Band	Completed	2014	
Abhisek Sharma	Some Investigations on Compact Dual Band and Broadband Patch antenna	Completed	2013	
Neetu	Theoretical Analysis of Rectangular DRA by Perturbation Technique	Completed	2013	
Nidhi Jain	Suppression of Cross Polarized radiation in a CMPA with Rectangular Slab DGS and Ministration with U slot in the patch	Completed	2013	
Priyanka Saxena	Design and Analysis of Frequency Agile Elliptical Patch Microstrip Antenna	Completed	2013	
Somia Sharma	Design, Analysis and Development of dual Polarized Aperture Coupled Microstrip antenna	Completed	2013	
Krashnkant Gupta	Miniaturization and Bandwidth Enhancement of Microstrip Patch Antenna Using Artificial Ground structure	Completed	2013	
Mayank Rai	Design and characterization of Circular Disk Patch Antenna with Dual Complementary Split Ring Resonators	Completed	2012	
Chandan Kumar	Electrically small antenna using SRR Meta-material	Completed	2012	
Gulzar Ahmed	Characterization of circular microstrip patch Antenna for UWB Applications	Completed	2012	
Abhishak Gupta	Some Investigation on Circular Microstrip Antenna	Completed	2012	
Manish Sharma	Some Investigation on Annular Ring Loaded circular microstrip Antenna	Completed	2012	
Mukesh Kumar Khandelwal	Some Investigation on log Periodic Antenna	Completed	2012	
Mohammad Nazir	Some Investigation on stacked and slit cut Equitriangular Microstrip Antenna	Completed	2012	
Sachin Kumar	Performance of Perfect Space Time Block Code –OFDM in Frequency selective MIMO Channel	Completed	2011	
Shuchita Saxena	Design and Simulation Of A Dual Band Gap Coupled Annular Ring Microstrip Antenna	Completed	2011	
Ravi Kumar Malik	Analysis of Polarization Diversity in Correlated Nakagami-m fading channel	Completed	2011	
Stuti	Design of Circular Microstrip antenna using Liquid crystal substrate	Completed	2011	
Deepti Sharma	Design of U slot Microstrip Patch antenna on EBG substrate	Completed	2011	
Anoop Ku Sagar	Design of Circular Microstrip antenna using Liquid crystal substrate	Completed	2011	
Praful Rangan	A Circularly Polarized patch antenna on cylindrical Pin structure with Air Gap	Completed	2011	
Inderpreet Kaur	Design of Circularly Polarized Circular Microstrip antenna using Liquid crystal substrate	Completed	2011	
Deepak Kr.	Performance of Polarization diversity in Rayleigh fading environment	Completed	2010	
Pravindra Kr.	BER performance Analysis of rake receiver in Rayleigh fading channel for UMTS environment	Completed	2010	

Saurabh Kr.	Optimization of resonant frequency of circular patch Microstrip Antenna using PSO	Completed	2010	
Ruchir Gupta	Design of optimum interleaver in IDMA system	Completed	2010	
Shobhit Saxena	Performance of Golden Code in MIMO-OFDM systems	Completed	2010	
Vikshit Gaur	Optimization of circular ring Microstrip Antenna using Genetic algorithm	Completed	2010	
Sandeep Sharma	Optimization of circular Microstrip Antenna using bacterial foraging	Completed	2010	
Indrapreet Kaur	Dielectric Resonator Antenna	Completed	2010	
Alka Verma	Rectangular Microstrip Antenna Symmetrically Loaded Active devices	Completed	2010	
Shilpee Patil	Analysis of gun integrated stacked patch antenna	Completed	2009	
Shayna Jain	Analysis of compact H-shaped micro-strip antenna	Completed	2009	
Swati Vaid	Analysis of active integrated antenna for far field phase	Completed	2009	
Vineet Rohilla	An investigation of rectangular patch antenna using meta material	Completed	2009	
Sumanta Kumar Sethi	Analysis of slot loaded triangular patch antenna	Completed	2009	
Sandhya Malikar	Design and development of TEM-horn antenna	Completed	2009	
Devendra Kumar	Investigation on High Frequency Accelerator	Completed	2009	
Amar Sharma	Theoretical Analysis Of Linear Active Circular Antenna Array For Beam Steering	Completed	2009	

Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
A High Gain Circular Polarized Antenna and Method of Manufacture	201811011902	29th March, 2018	Indian Patent	Filed (Published)
A Circularly Polarised Antenna	201811011814	29th March, 2018	Indian Patent	Filed (Published)
Hexa-band Branch Line Coupler Thereof	201911005967	15th Feb 2019	Indian Patent	Filed (Published)
A Dual Band Branch Line Coupler with Wide Frequency Ratio	201911005968	15th Feb 2019	Indian Patent	Filed (Published)
A Novel Dual Band Out of Phase Power Divider	201911043898	30 Oct 2019	Indian Patent	Filed
Electrically Small Circularly Polarized UWB Intraocular Antenna System for Retinal Prosthesis	2202011055680	22nd Dec, 2020	Indian Patent	Filed
A Textile Material Based Wideband MIMO Antenna	202011055681	22nd Dec, 2020	Indian Patent	Filed
A Textile Material Based Wideband MIMO Antenna	202111031330	13th July, 2021	Indian Patent	Filed
Self Sustainable Power Harvesting Device	202111056214	22nd Dec, 2020	Indian Patent	Filed

Admin. Responsibilities :

Position Held	Organization	From	To
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Director	Dr B R Ambedkar National Institute of Technology, Jalandhar 144 027	05-02-2022	Till Date
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