

Profile Page



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Department : Electronics and Comm. Engg.
Qualification : PhD ANTENNA DESIGNING (PDPMIITDM JABALPUR)
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Research Interests :

Antenna Engineering- EBG based antenna, Beamforming Antenna, Shared Aperture Antenna, Conformal Antenna, Graphene antenna, Metamaterial Based Antenna, Filtenna.

RF and Microwave components and systems- Filters, couplers, power divider, phase shifter, circulator.

Other Profile Links :

Google Scholar Link :

Nitesh Kashyap [Click Here](#)

Journal Publications :

Year	Journal	Publication
2022	Micro and Nanostructures, Elsevier, Volume-164 , Page-107117	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, Design and investigation of field plate-based vertical GAA-?(AlGa) 2O3/Ga2O3 high electron mobility transistor
2022	IETE Journal of Research, Taylor & Francis, Pages 1-9	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, Demonstration of Temperature-Dependent Analysis of GAA – ?-(AlGa)2O3/Ga2O3 High Electron Mobility Transistor
2021	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, Volume 35, Issue 2	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, Effects of gate width variation on the performance of Normally-OFF dual-recessed gate MIS AlGaN/GaN HEMT
2021	Journal Transactions on Electrical and Electronic Materials, Pages 1-9	Manisha Rao, Ravi Ranjan, Nitesh Kashyap, Rakesh Kumar Sarin, Performance Analysis of Normally-on Dual Gate Algan/Gan Hemt
2021	Transactions on Electrical and Electronic Materials, Volume 22 Issue 4 Pages 473-480	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, Novel Vertical GAA-AlGaN/GaN Dopingless MIS-HEMT: Proposal and Investigation

2021	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, Pages e 2960	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, Effects of gate width variation on the performance of Normally OFF dual-recessed gate MIS AlGaIn/GaN HEMT,
2021	Journal Superlattices and Microstructures, Pages 107117	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, Design and investigation of field plate-based vertical GAA-(AlGa) 2O3/Ga2O3 high electron mobility transistor
2020	Applied Physics A, Volume 126 Issue 3 Pages 1-9	Ravi Ranjan, Nitesh Kashyap, Ashish Raman, High-performance dual-gate-charge-plasma-AlGaIn/GaN MIS-HEMT
2018	International Journal of Microwave and Wireless Technologies, Volume 10 Issue 3 Pages 351-359	Bhupendra Kumar Shukla, Nitesh Kashyap, Rajendra Kumar Baghel, "A novel design of Scarecrow-shaped patch antenna for broadband applications"
2018	Progress In Electromagnetics Research, Volume 66 Pages 53-63	Shikha Sukhija, Rakesh Kumar Sarin, Nitesh Kashyap, "Design of Compact Wideband Serpentine Patch Antenna for Ingestible Endoscopic Applications"
2017	Progress In Electromagnetics Research, Volume 59 Pages 45-54	Bhupendra Kumar Shukla, Nitesh Kashyap, Rajendra Kumar Baghel, "Wide Slot Antenna with Y Shape Tuning Element for Wireless Applications"
2017	Progress In Electromagnetics Research, Volume 74 Pages 181-189	Bhupendra Kumar Shukla, Nitesh Kashyap, Rajendra Kumar Baghel, "Circular slotted elliptical patch antenna with elliptical notch in ground"
2016	IEEE Antennas and Wireless Propagation Letters, Vol.15 Page No. 589-592	Nitesh Kashyap, Dinesh Kumar Vishwakarma, "Cross-dielectric-slab-loaded archimedean spiral antenna"
2014	Microwave and Optical Technology Letters, Volume 56 Issue 12 Pages 2773-2778	Nitesh Kashyap, Vishwakarma Dinesh Kumar, "Spiral type parasitic elements patch antenna"
2014	Applied Physics A, Volume 117 Issue 2 Pages 725-729	Nitesh Kashyap, Zamir Ahmad Wani, Rishi Jain, V Dinesh Kumar, "Investigation of a nanostrip patch antenna in optical frequencies"

Conference Publications :

Year	Conference	Publication
2021	10th IEEE International Conference on Communication Systems and Network Technologies (CSNT) 2021	Akanksha Gupta, Nitesh Kashyap, Single Slit Compact patch Antenna with sectional Ground Plane for Bluetooth and WLAN 802.11 b Application
2021	8th International Conference on Signal Processing and Integrated Networks (SPIN) 2021	Akanksha Gupta, Nitesh Kashyap, RK Sunkaria, Single-band Compact Asymmetric meandered patch Antenna (AMPA) with partial Ground Plane for L-band Application
2021	AIJR Proceedings	Avinash Saroj, Nitesh Kashyap, A Review of Various Approaches for Beam Steering in Lens Antenna
2019	6th International Conference on Signal Processing and Integrated Networks (SPIN) 2019	Ravi Ranjan, Ashish Raman, Nitesh Kashyap, Low Power and High Frequency Voltage Controlled Oscillator for PLL Application
2018	Proceedings of the 2nd International Conference on Electronics, Communication and Aerospace Technology, ICECA	Krishna, M., Sunkaria, R.K., Kashyap, N., Image Reconstruction Through Compressed Sensing Technique Using Gaussian Filtration
2017	International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE), 102-106	Kuldeep Singh Thakur, DK Raghuvanshi, Nitesh Kumar Kashyap, "A printed multi-frequency monopole antenna for WLAN/Wi-MAX systems"

2016	11th International Conference on Industrial and Information Systems (ICIIS), 598-602	Sunil Kumar Singh, Mahaveer Prasad Sharma, Nitesh Kumar Kashyap, "A modified planar triangular monopole antenna for wide band applications"
2014	Antennas and Propagation Conference (LAPC), 2014 Loughborough, 740-743	Nitesh Kashyap, Dinesh Kumar, "Archimedean spiral antenna loaded with dielectric plates"
2014	Antennas and Propagation Conference (LAPC), 2014 Loughborough, 465-468	Nitesh Kashyap, Dinesh Kumar, "Miniaturized planner spiral antenna with stacked ring"

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
Chapter	Effect of AlN Spacer Layer on the Proposed MIS-AlGaIn/GaN HEMT	Lecture Notes in Electrical Engineering, Volume 686, Pages 1115 - 1121	Ranjan R., Kashyap N., Raman A.	978-981157030-8	2020

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Co-Investigator	Space Technology Incubation Centre (S-TIC)	Design & Development of RF and Microwave Components	ISRO	2020	---	14.5	Pursuing	
Co-Investigator	Space Technology Incubation Centre (S-TIC)	Modelling and Simulation of Antenna Control Servo System	ISRO-CBP O-S-TIC	2020		7.5	Pursuing	

Professional Affiliations :

Designation	Organization
IEEE Member	IEEE Antennas and Propagation Society