

List of Publications during last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link of papers
Recent Advances in Designing Gallium Oxide MOSFET for RF Application	Narendra Yadava and R. K. Chauhan	ECE	ECS Journal of Solid State Science and Technology	2020	2162-8777	https://www.x-mol.com/paper/1287830309072191488
Impact of Different Gate Metals on the RF Performance of Gallium Oxide MOSFET	Narendra Yadava and R. K. Chauhan	ECE	ECS Journal of Solid State Science and Technology	2020	2162-8777	https://iopscience.iop.org/article/10.1149/2162-8777/ab9a5c/pdf
Impact of p-Type NiO Pocket and Ultra-Thin Graphene Layer on the RF Performance of β -Ga ₂ O ₃ MOSFET	Narendra Yadava, Shivangi Mani and R. K. Chauhan	ECE	ECS Journal of Solid State Science and Technology	2020	2162-8777	https://iopscience.iop.org/article/10.1149/2162-8777/ab8b4e/meta
Evaluation of the RF performance of the β -Ga ₂ O ₃ negative-capacitance field-effect transistor	Narendra Yadava and R. K. Chauhan	ECE	<i>J. Comput. Electron</i>	2020	1569-8025	https://link.springer.com/content/pdf/10.1007/s10825-020-01469-7.pdf
RF Performance Evaluation of p-Type NiO-Pocket based β -Ga ₂ O ₃ /Black Phosphorous Heterostructure MOSFET	Narendra Yadava, Shivangi Mani and R. K. Chauhan	ECE	Journal of Semiconductor	2020	1674-4926	http://www.jos.ac.cn/fileBDTXB/journal/article/jos/newcreate/20030038.pdf
RF Performance Evaluation of Nanoscale FDSOI MOS transistors	Narendra Yadava and R. K. Chauhan	ECE	Indian Journal of Science and Technology	2019	0974-6846,	https://indjst.org/articles/RF-performance-evaluation-of-nanoscale-fd-soi-mos-transistors
RF Performance Enhancement of Gallium Oxide MOSFET using p-type NiO Pocket near Source and Drain Regions	Narendra Yadava and R. K. Chauhan	ECE	Journal of Telecommunication, Electronic and Computer Engineering (JTECE)	2019	2289-8131	https://journal.utem.edu.my/index.php/jtec/article/viewFile/5458/3835
RF Performance Investigation of β -Ga ₂ O ₃ /Graphene and β -Ga ₂ O ₃ /Black Phosphorus Heterostructure MOSFETs	Narendra Yadava and R. K. Chauhan	ECE	ECS Journal of Solid State Science and Technology	2019	21628777, 21628769	https://iopscience.iop.org/article/10.1149/2.0131907jss/pdf
Miniaturized UWB BPF using Stub loaded Pseudo-Interdigital Structure	Yatindra Gaurav and R.K. Chauhan	ECE	Microwave Review	2019	2455-3336	https://www.mtt-serbia.org.rs/files/MWR/MWR2019jul/Vol25No1-2093-1.pdf
Recent Development in Ga ₂ O ₃ MOSFETs for High Power RF Applications	Narendra Yadava and R. K. Chauhan	ECE	Journal of Semiconductor Devices and Circuits	2019	2455-3379	http://engineeringjournals.stmjournals.in/index.php/JoSDC/article/view/2536
Performance Analysis of Bootstrapping Techniques to Overcome the Threshold Voltage Drop in NMOS Logic Design	Mangal Deep Gupta and R. K. Chauhan	ECE	Journal of Semiconductor Devices and Circuits	2019	2455-3379	http://engineeringjournals.stmjournals.in/index.php/JoSDC/article/view/2535
Influence of Graded Channel on Performance of Symmetric Double Material Gate Insulator FDSOI MOSFET	Anjali Gupta and R. K. Chauhan	ECE	Journal of Microelectronics and Solid State Devices	2019	2455-3336	http://engineeringjournals.stmjournals.in/index.php/JoMSD/article/view/2537
Impact of Source/Drain Engineering on Performance of Single Gate and Dual Gate Junctionless MOSFET	Jyotsana Singh, Narendra Yadava and R.K. Chauhan	ECE	Journal of Semiconductor Devices and Circuits	2019	2455-3379	http://engineeringjournals.stmjournals.in/index.php/JoSDC/article/view/2534
A Simplified Method to Synthesize UWB Compact Bandpass Filter with Dual Notch Bands	Arvind Kumar Pandey and R.K. Chauhan	ECE	Journal of Telecommunication, Electronic and Computer Engineering	2018	2289-8131,	https://journal.utem.edu.my/index.php/jtec/article/viewFile/1711/2370
Efficient Layout Design of Junctionless Transistor based 6-T SRAM cell using SOI Technology	Vimal Kumar Mishra and R. K. Chauhan	ECE	Electronic Materials and Processing, ECS Journal of Solid State Science and Technology	2018	2162-8777,	https://iopscience.iop.org/article/10.1149/2.0061809jss/meta
A Modified Source Impact Ionisation MOSFET (MS I-MOS) for Low Power and Fast Switching Digital Applications	Manvendra Singh Chauhan and R. K. Chauhan	ECE	Journal of Telecommunication, Electronic and Computer Engineering (JTECE)	2018	2289-8131, 21801843	https://journal.utem.edu.my/index.php/jtec/article/viewFile/3374/3435
Performance analysis of Modified Source Junctionless Fully Depleted Silicon-On-Insulator MOSFET	Manvendra Singh Chauhan and R. K. Chauhan	ECE	i-manager's Journal of Electronics Engineering	2018	ISSN Print: 2229-7286 ISSN Online: 2249-0760	https://search.proquest.com/openview/55ca86018e2e849802a86177013a78cc/1?cbl=2030624&pq-origsite=gscholar
DC analysis of Silicon Plated Germanium PIN Diode	Shivangi Sonkar and R. K. Chauhan	ECE	i-manager's Journal on Electronics Engineering	2018	ISSN Print: 2229-7286 ISSN Online: 2249-0760	https://search.proquest.com/openview/abe364d7c35dc1a3509ca5603f478b6e/1?pq-origsite=gscholar&cbl=2030624
Area efficient layout design of CMOS circuit for high-density ICs	Vimal Kumar Mishra and R. K. Chauhan	ECE	International Journal of Electronics	2017	13623060, 00207217	https://www.tandfonline.com/doi/abs/10.1080/00207217.2017.1340978
Performance Analysis of Modified Source and TDBC based Fully-Depleted SOI MOSFET for Low Power Digital Applications	Vimal Kumar Mishra and R. K. Chauhan	ECE	Journal of Nanoelectronics and Optoelectronics	2017	15551318, 1555130X	https://www.ingentaconnect.com/content/asp/ino/2017/0000012/00000001/art00007.jsessionid=93ti2sb7b9p.x-ic-live-01
Design of Single Narrow Band Bandpass Filter Using Cascaded Open Loop Triangular Ring Resonators Embedded with Rectangular Ring	Yatindra Gaurav and R.K. Chauhan	ECE	Journal of Telecommunication, Electronic and Computer Engineering	2017	22898131, 21801843	https://www.semanticscholar.org/paper/Design-of-Single-Narrow-Band-Bandpass-Filter-using-Gaurav-Chauhan/65120c64a4bed4616c1f9451342f71425d1bfe72?p2df
A Compact UWB BPF with a Notch Band using Rectangular Resonator sandwiched between Interdigital Structure	Yatindra Gaurav and R.K. Chauhan	ECE	International Journal of Electrical and Computer Engineering (IJECE)	2017	2088-8708	http://ijece.iaescore.com/index.php/IJECE/article/view/8193/6915
Design of controllable dual-band bandpass filter using open loop triangular ring resonators loaded with stub coupled with transmission line	Yatindra Gaurav and R.K. Chauhan	ECE	Journal on Electronics Engineering	2017	ISSN Print: 2229-7286	https://i-managerpublications.com/assets/pdfDownload/JELE/2017/01JELE_February_17/JELEFebruary17RP02.pdf
Design of BPF using pseudo-interdigital structure for impedance bandwidth enhancement of monopole antenna for UWB application	Yatindra Gaurav and R.K. Chauhan	ECE	International Journal of Electronics Engineering Research	2017	0975- 6450	http://www.ripublication.com/ijeer17/ijeer9n1_05.pdf

Design of Closed Loop Dual Band Bandpass Filter Using Two Different Size Cascaded Open Loop Triangular Ring Resonator	Yatindra Gaurav and R.K. Chauhan	ECE	International Journal of Computational Intelligence Research	2017	1469-0268	https://www.ripublication.com/ijcir17/ijcirv13n2_14.pdf
Design of close loop dual-band BPF using cascaded open loop triangular ring resonator loaded with open stubs	Yatindra Gaurav and R.K. Chauhan	ECE	Journal on Communication Engineering and Systems	2017	2277-5102 (print), 2277-5242 (online)	https://search.proquest.com/docview/1920554312?pq-origsite=gscholar&fromopenview=true
Design of Triple Band Bandpass Filter using Two Coupled Open Loop Triangular Ring Resonators Loaded with Stub	Yatindra Gaurav and R.K. Chauhan	ECE	IJAMT	2017	print:0268-3768 web:1433-3015	https://www.ijamt.com/uploads/34/2263_pdf.pdf
Performance analysis of different structures of organic solar cells	Deepti Dhuriya, Brijesh Kumar and R. K. Chauhan	ECE	i-manager's Journal of Electronics Engineering	2017	ISSN Print: 2229-7286 ISSN Online: 2249-0760	https://imanagerpublications.com/assets/pdfDownload/JELE/2017/01JELE_February_17/JELEFebruary17RP06.pdf
Area Efficient Layout design of CMOS Device for Digital Circuit Applications	Vimal Kumar Mishra and R. K. Chauhan	ECE	Journal of Nanoengineering and Nanomanufacturing	2016	ISSN: 2157-9326 (Print); EISSN: 2157-9334	https://www.ingentaconnect.com/content/asp/inan/2016/000006/0000003/art00005
Optimization of Dual-Band BPF using Defected Ground Structure	Anjali Sachan, Arvind Pandey and R.K. Chauhan	ECE	i-manager's Journal on Communication Engineering and Systems	2016	2277-5242	https://search.proquest.com/docview/185755598?pq-origsite=gscholar&fromopenview=true
Compact Dual Port Triple Band MIMO Planar Inverted-F Antenna for Wireless Applications	Rajnish and R.K. Chauhan	ECE	i-manager's Journal on Communication Engineering and Systems	2016	2277-5242	https://search.proquest.com/docview/1803218921?pq-origsite=gscholar&fromopenview=true
A Modified Rectangular Ring Wideband Monopole Antenna for WLAN / WiMAX Application	Poonam Chaurasia and R.K. Chauhan	ECE	i-manager's Journal on Communication Engineering and Systems	2016	2277-5242	https://search.proquest.com/docview/1803218629?pq-origsite=gscholar&fromopenview=true
Design of dual-band bandpass filter using interdigital embedded open loop triangular resonator loaded with stubs	Yatindra Gaurav and R.K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1894468417?pq-origsite=gscholar&fromopenview=true
Performance Analysis of Dual Metal Gate Modified Source Fully Depleted SOI MOSFET	Sandeep Tripathi, Vimal Kumar Mishra and R.K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1894468342?pq-origsite=gscholar&fromopenview=true
Impact of Front and Back Oxide Thickness Variation on Performance of Modified Source FD SOI MOSFET	Nilesh Anand Srivastav, Vimal Kumar Mishra and R.K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1894468372?pq-origsite=gscholar&fromopenview=true
Miniaturized narrow-band BPF using interdigital loaded slow-wave resonator	Arvind Kumar Pandey and R. K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1894468593?pq-origsite=gscholar&fromopenview=true
Switchable Filter between Band Pass and Band Stop Responses	Shivi Batham, Arvind Kumar Pandey and R. K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1894468113?pq-origsite=gscholar&fromopenview=true
Design of microwave bandstop filter with arbitrary reference impedances	Anuj Kumar Mishra, Arvind Kumar Pandey and R. K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1920553878?pq-origsite=gscholar&fromopenview=true
Resonator and stub loaded reconfigurable notched filter for UWB applications	Rupam Srivastava, Arvind Kumar Pandey and R. K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1920554428?pq-origsite=gscholar&fromopenview=true
Synthesis and design of microwave bandpass filter using coupling matrix	Saurabh Kumar Pandey, Arvind Kumar Pandey and R. K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1920553826?pq-origsite=gscholar&fromopenview=true
A bandpass – bandstop reconfigurable filter for wireless applications	Tulika Sinha, Arvind Kumar Pandey and R. K. Chauhan	ECE	Journal on Embedded Systems	2016	ISSN Print: 2278-7895 ISSN Online: 2320-2335	https://search.proquest.com/docview/1920554708?pq-origsite=gscholar&fromopenview=true
A Multiband Slot Antenna with Enhanced Bandwidth for Wi-Max and WLAN Applications	Tanuj Kumar Gond, R.K. Chauhan and R.K. Prasad	ECE	i-manager's Journal on Wireless Communication Networks	2016	ISSN Print: 2319-4839 ISSN Online: 2320-2351	https://imanagerpublications.com/assets/pdfDownload/JWCN/2016/01JWCN_March_16/JWCNMarch16RP02.pdf
Design of a C-Shaped Microstrip Antenna with Slotted Patch for Wi-Max and WLAN	Abhinav Arya, R.K. Prasad and R.K. Chauhan	ECE	i-manager's Journal on Wireless Communication Networks	2016	ISSN Print: 2319-4839 ISSN Online: 2320-2351	https://imanagerpublications.com/assets/pdfDownload/JWCN/2016/01JWCN_March_16/JWCNMarch16RP03.pdf
Miniaturized band-pass filter based on composite right-/left-handed transmission-line unit cell	Arvind Kumar Pandey, Yatindra Gaurav and R. K. Chauhan	ECE	Microwave and Optical Technology Letters	2015	1098-2760	https://sci-hub.tw/10.1002/mop.29155
Performance Enhancement of MOS Transistor using Ge- Nano-wire Hetero junction Interband Tunnel Diode	Vimal Kumar Mishra and R. K. Chauhan	ECE	IJAER	2015	E-ISSN : 2231-5152 P-ISSN- 2454 - 1796	https://www.researchgate.net/publication/283022922_Performance_enhancement_of_MOS_transistor_using_ge-nano-wire_hetero_junction_interband_tunnel_diode

A Review on Different Resonator based Microwave Filters	Priyanka Srivastava Arvind Kumar Pandey R. K. Chauhan	ECE	i-manager's Journal on Communication Engineering and Systems	2015	2277-5242	https://search.proquest.com/docview/1767086413?pq-origsite=gscholar&fromopenview=true
Optimisation of Low Pass Filter Using Defected Ground Structure	Anjali Sachan and R. K. Chauhan	ECE	i-manager's journal on Communication Engineering and Systems	2015	2277-5242	https://imanagerpublications.com/index.php/article/3338
A Multi-Band Trident Shape Microstrip Patch Antenna for GSM and Wide band Application	Rajeewa Kumar Jaisawal, Arvind pandey and R.K. Chauhan,	ECE	i-manager's Journal on Communication Engineering and Systems	2015	2277-5242	https://search.proquest.com/docview/1717515017?pq-origsite=gscholar&fromopenview=true
A Review: Size Reduction in Microstrip Patch Antenna using Defected Ground Structure	Rajeewa Kumar Jaisawal, Arvind pandey and R.K. Chauhan	ECE	i-manager's Journal on Communication Engineering and Systems	2015	2277-5242	https://search.proquest.com/docview/1702050746?pq-origsite=gscholar&fromopenview=true
A High Speed Full Adder Circuit using 3 Transistor XOR Gates for Arithmetic Operations of VLSI System	Richa Barnwal, Vimal Kumar Mishra and R. K. Chauhan	ECE	International Journal of Scientific Research and Development, (IJSRD)	2015	2321-0613	http://www.ijsrd.com/articles/IJSRDV3I60630.pdf
Circularly polarized defected ground stub matching triple band microstrip antenna for C and X band applications	K. Srivastava, Brijesh Mishra, A. K. Patel and R. Singh	ECE	<i>Microwave and Optical Technology Letters</i>	2020	1098-2760	https://onlinelibrary.wiley.com/doi/abs/10.1002/mop.32450
An Ultra-Compact Triple Band Antenna for X/Ku/K Band Applications	Brijesh Mishra	ECE	<i>Microwave and Optical Technology Letters</i>	2019	1098-2760	https://sci-hub.tw/10.1002/mop.31812
Anchor Shape Gap Coupled Patch Antenna for WiMAX and WLAN Applications	V. Singh, Brijesh Mishra and R. Singh	ECE	<i>International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i>	2019	0332-1649	https://sci-hub.tw/10.1108/compel-12-2017-0546
Dual-wideband Semi-circular Patch Antenna for Ku/K Band Applications	V. Singh, Brijesh Mishra and R. Singh	ECE	<i>Microwave and Optical Technology Letters</i>	2019	1098-2760	https://sci-hub.tw/10.1002/mop.31592
Gap Coupled H Shaped Antenna for Wireless Applications	Brijesh Mishra, V. Singh and R. Singh	ECE	<i>Proceedings of the National Academy of Sciences, India Section A: Physical Sciences</i>	2020	2250-1762	https://link.springer.com/content/pdf/10.1007/s40010-019-00631-6.pdf
Gap Coupled Dual Band Petal Shape Patch Antenna for WLAN / WiMAX Applications	Brijesh Mishra, V. Singh, and R. Singh	ECE	<i>Advances in Electrical and Electronic Engineering (AEEE)</i>	2018	1804-3119	http://advances.etc.sk/index.php/AEEE/article/view/2416
Inverted L-Notch Loaded Hexa Band Circular Patch Antenna for X, Ku/K Band Applications	V. Singh, Brijesh Mishra, A. K. Dwivedi and R. Singh	ECE	<i>Microwave and Optical Technology Letters</i>	2018	1098-2760	https://sci-hub.tw/10.1002/mop.31296
Dual and wide-band slot loaded stacked microstrip patch antenna for WLAN/WiMAX applications	Brijesh Mishra, V. Singh, and R. Singh	ECE	<i>Microsystem Technologies</i>	2017	1432-1858	https://link.springer.com/content/pdf/10.1007/s00542-016-3120-z.pdf
A compact UWB patch antenna with defected ground for Ku/K band applications	Brijesh Mishra, V. Singh, R. K. Singh, N. Singh and R. Singh	ECE	<i>Microwave and Optical Technology Letters</i>	2017	1098-2760	https://sci-hub.tw/10.1002/mop.30911
A compact quad-band microstrip antenna for S and C-band applications	V. Singh, Brijesh Mishra, P. N. Tripathi, and R. Singh	ECE	<i>Microwave and Optical Technology Letters</i>	2016	1098-2760	https://sci-hub.tw/10.1002/mop.29799
A Low Power, Sub-1V all MOSFET Subthreshold Voltage Reference using Body Biasing	Pratosh Kumar Pal, and R K Nagaria	ECE	<i>Journal of Circuit, Systems and Computers (JCSC)</i>	2019	1793-6454	https://doi.org/10.1142/S0218126619502153
A Low Power Low Supply MOS-Only Subthreshold Voltage Reference for Wide Temperature Range	Pratosh Kumar Pal, and R K Nagaria	ECE	<i>Advances in Electrical and Electronic Engineering (AEEE)</i>	2019	1804-3119	10.15598/aeee.v17i2.3197
A Sub-1 V nanopower subthreshold current and voltage reference using current subtraction technique and cascoded active load	Pratosh Kumar Pal, and R K Nagaria	ECE	<i>Integration, the VLSI Journal</i>	2019	0167-9260	https://doi.org/10.1016/j.vlsi.2019.11.016
Electronic and elastic properties of AIB2IIC4V1 defect-chalcopyrite semiconductors	S. Chandra, A. Sinha and V. Kumar	ECE	International Journal of Modern Physics	2019	1793-6578	https://sci-hub.tw/10.1142/s0217979219503405
Structural, electronic and elastic properties of ZnGeN2 against WZ-GaN under different hydrostatic pressures: A first-principle calculations	S. Chandra and V. Kumar	ECE	International Journal of Modern Physics	2019	1793-6579	https://www.worldscientific.com/doi/pdf/10.1142/S0217979219502977
Second-Order Nonlinear Optical Tensor Coefficients of LiXTe2 (X= Al, Ga, In) Chalcopyrite Semiconductors	V. Kumar and S. Chandra	ECE	Crystal Research and Technology	2018	1521-4079	https://onlinelibrary.wiley.com/doi/abs/10.1002/crat.201800133
First-Principles Calculations of the Structural, Electronic, Elastic and Optical Properties of LiGaS2 and LiGaSe2 Semiconductors Under Different Pressures	V. Kumar, S. Chandra and R. Santosh	ECE	Journal Electronic Materials	2018	0361-5235	https://link.springer.com/content/pdf/10.1007/s11664-017-5894-x.pdf
First-principle calculations of structural, electronic, optical and thermal properties of hydrogenated graphene	V. Kumar, R. Santosh and S. Chandra	ECE	Material Science and Engineering B	2017	0921-5107	https://www.sciencedirect.com/science/article/abs/pii/S0921510717302258
Electronic, elastic and optical properties of divalent (R+2X) and trivalent (R+3X) rare earth monochalcogenides	V. Kumar, S. Chandra and J. K. Singh	ECE	Indian Journal of Physics	2017	0973-1458	https://link.springer.com/content/pdf/10.1007/s12648-017-0983-5.pdf
Generation of square and triangular wave with independently controllable frequency and amplitude using OTAs only and its application in PWM	R. K. Ranjan, K. Mazumdar, R. Pal and S. Chandra,	ECE	Analog Integrated Circuits and Signal Processing	2017	0925-1030	https://link.springer.com/content/pdf/10.1007/s10470-017-0971-x.pdf
Optical, elastic and thermal properties of ZB-AIN semiconductor from first-principle calculations	V. Kumar, Bhanu P. Singh and S. Chandra	ECE	Indian Journal of Physics	2017	0973-1460	https://link.springer.com/content/pdf/10.1007/s12648-016-0938-2.pdf
Second-order nonlinear optical susceptibilities of AIBVI and AIBV semiconductors	V. Kumar, Anita Sinha, B. P. Singh and S. Chandra	ECE	Physics Letters A	2016	0375-9601	https://sci-hub.tw/10.10164.physleta.2016.09.006
Parametric Optimization of Single Mode Fiber to Waveguide Coupler using Bragg Gratings	Rukmani Singh, Ritu Raj Singh and Vishnu Priye	ECE	Optical and Quantum Electronics	2019	0306-8919	https://www.springer.com/journal/11082
Ultrahigh - Sensitivity Label - Free Optical Biosensor based on SNROW for Lung Cancer Detection	Rukmani Singh and Vishnu Priye	ECE	JOSA-B	2019	0740-3224	https://www.osapublishing.org/josab/home.cfm

DNA Hybridization Biosensor using Silicon Nanowire PIC Waveguide	Ritu Raj Singh , Rukmani Singh, Satish Chandra	ECE	Recent Trends in Sensor Research & Technology	2019	2393-8765	http://stmjournals.com/Recent-Trends-in-Sensor-Research-and-Technology.html#
Design of 4:2 Energy-Efficient Compressor using Hybrid 1-bit Full Adder	Dr. Manish Kumar	ECE	Journal of Active and Passive Electronic Devices	2020	1555-0281	https://www.researchgate.net/publication/319597042_Design_of_an_Energy_Efficient_4-2_Compressor
Implementation of Line Codes in Different Platforms	Dr. Manish Kumar	ECE	Journal of Active and Passive Electronic Devices	2020	1555-0282	
Effective Circuit Design Methodologies for Standby Leakage Power Reduction	Dr. Manish Kumar	ECE	Advanced Science, Engineering and Medicine	2020	2164-6635	https://www.ingentaconnect.com/content/asp/sem/2020/0000012/00000002/art00006
Performance Analysis of Low Power and High Speed one-bit Full Adder Circuit	P. K. Sharma, and M. Kumar	ECE	International Journal of Scientific Research and Reviews	2019	2279-543X	http://ijsrr.co.in/images/full_pdf/1554201713_B442.pdf
Design and Performance Analysis of Compressors using Different Logic Styles	A. Singh, and M. Kumar	ECE	International Journal of Applied Engineering Research	2019	0973-4563	https://www.ripublication.com/ijaerspl2019/ijaerv14n2spl_20.pdf
Design and Fabrication of Hairpin Bandpass Filter with Square Shaped Defected Ground Structure	Dr. Manish Kumar	ECE	Journal of Telecommunication, Electronic and Computer Engineering	2019	2289-8131	https://journal.utem.edu.my/index.php/itec/article/viewFile/5487/3838
A Compact Multiband Dual U- Shaped Monopole Antenna for Wireless Application	Dr. Manish Kumar	ECE	International Journal of Applied Engineering Research	2019	0973-9769	https://www.ripublication.com/ijaerspl2019/ijaerv14n2spl_17.pdf
Design and Analysis of Low Power Digital Circuits	Dr. Manish Kumar	ECE	International Journal of Applied Engineering Research	2019	0973-9769	
Parallel Coupled Wide Pass-Band Filter with Dual Square Complementary Split Ring Resonator and Defected Ground Structure	Dr. Manish Kumar	ECE	Journal of Telecommunication, Electronic and Computer Engineering	2019	2289-8131	https://www.semanticscholar.org/paper/Parallel-Coupled-Wide-Pass-Band-Filter-with-Dual-Verma-Kumar/fd840fdefbf798da7db76a0469ec214a3f11f63?p2df
Design of an Ultra-Wideband Bandpass Filter for Millimeter Wave applications	Dr. Manish Kumar	ECE	Journal of Telecommunication, Electronic and Computer Engineering	2018	2289-8131	https://journal.utem.edu.my/index.php/itec/article/view/3300
An Improved Ultra-Wideband Bandpass Filter Design Using Split Ring Resonator with Coupled Microstrip Line	Dr. Manish Kumar	ECE	AIP Conference Proceedings	2018	1551-7616	https://aip.scitation.org/doi/pdf/10.1063/1.5031968
Improved Coupling Based Wide Passband Filter with Double Square Complementary Split Ring Resonator	Dr. Manish Kumar	ECE	AIP Conference Proceedings	2018	1551-7616	https://aip.scitation.org/doi/pdf/10.1063/1.5031966
A 0.533 dB Noise Figure and 7 mW Narrowband Low Noise Amplifier for GPS Application	Dr. Manish Kumar	ECE	Lecture Notes in Electrical Engineering	2018	1876-1100	https://link.springer.com/chapter/10.1007/978-981-10-5565-2_27
An Ultra Low Power CMOS RF Front-End-Based LNA and Mixer for GPS Application	Dr. Manish Kumar	ECE	Lecture Notes in Electrical Engineering	2018	1876-1100	https://link.springer.com/chapter/10.1007/978-981-10-5565-2_33
Design of An Improved Ultra-Wideband Bandpass Filter Using Defected Ground Structure	Dr. Manish Kumar	ECE	i-manager's Journal on Communication Engineering and System	2018	2277-5242	https://search.proquest.com/docview/2071109952?pq-origsite=gscholar&fromopenview=true
Microstrip Patch Antenna for X-Band Application Using Defected Ground Structure	Dr. Manish Kumar	ECE	i-manager's Journal on Communication Engineering and Systems	2018	2277-5242	https://search.proquest.com/docview/2022211939?pq-origsite=gscholar&fromopenview=true
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Design of Circular Polarized Printed Patch Antenna for Bandwidth Enhancement	Dr. Manish Kumar	ECE	i-manager's Journal on Communication Engineering and System	2017	2277-5242	https://search.proquest.com/docview/2022209245?pq-origsite=gscholar&fromopenview=true
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A Compact Multiband Dual U-Shape Monopole Antenna for Wireless Application	Km Priyanka, G.S.Tripathi, and M. Kumar	ECE	International Journal of Applied Engineering Research	2019	0973-4562	https://www.ripublication.com/ijaerspl2019/ijaerv14n2spl_17.pdf
Photonic generation of a parabolic-shaped microwave signal and dual-linear-chirp microwave waveform	Ritesh Kumar, S K Raghuvanshi	ECE	Applied Optics	2020	2155-3165	https://www.osapublishing.org/ao/abstract.cfm?uri=ao-59-20-6024
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A photonic scheme for the generation of dual linear chirp microwave waveform based on the external modulation technique and its airborne application	Ritesh Kumar, S K Raghuvanshi	ECE	Optical and Quantum Electronics	2017	0306-8919	https://link.springer.com/article/10.1007/s11082-017-1206-1
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Threshold voltage compensation 6T2C-pixel circuit design using OTFT for flexible display	S. Pal and Brijesh Kumar	ECE	Microelectronics Journal	2020	0959-8324	https://sci-hub.tw/10.1016/j.mejo.2020.104818
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Influence of Thermal Annealing on Structural and Optical Properties of Sb Doped ZnTe Thin Film	N. Pandey, B. Kumar, D. K. Dwivedi,	ECE	Advanced Science, Engineering and Medicine	2020	2164-6635	https://www.ingentaconnect.com/content/asp/ asem/2020/0000012/00000001/art00018
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Performance Analysis of Fully Flexible Organic Humidity Sensor with Top Contact and Bottom-Contact OTFTs	C. Dubey and B. Kumar	ECE	Journal of Semiconductor Devices and Circuits	2019	2455-3379	http://engineeringjournals.stmjournals.in/index.php/JoSDC/article/view/2615

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Computation of intersubband transition energy and absorption spectra of binary capped GaAs/Al _{0.42} Ga _{0.58} As core-shell quantum dot	Anupam Sahu, Dharmendra Kumar	ECE	Journal of Nanophotonics	2020	1934-2608	https://www.spiedigitallibrary.org/journals/Journal-of-Nanophotonics/volume-14/issue-2/026003/Computation-of-intersubband-transition-energy-and-absorption-spectra-of-binary/10.1117/1.JNP.14.026003.short?SSO=1
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Impact of ETL/Absorber Interface layer on Perovskite (CH ₃ NH ₃ PbX ₃ , X: I, Br, Cl) Solar Cell	Ravi Shankar Yadav, Major G.S Tripathi and Bramha P. Pandey	ECE	<i>Nano Trends-A Journal of Nano Technology & Its Applications</i>	2019	0973-418X	http://techjournals.stmjournals.in/index.php/NTs/article/view/740
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Effect of ETL layer thickness on perovskite (CH ₃ NH ₃ PbI ₃) solar cell	Ravi Shankar Yadav, Major G.S Tripathi and Dr. Bramha P. Pandey	ECE	<i>Trends in Opto-Electro & Optical Communication</i>	2019	2231-0401	http://engineeringjournals.stmjournals.in/index.php/TOEOC/article/view/2513
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Effects Of Gate Oxide Thickness And Its Dielectric Strength In WS ₂ Based TMDFET	Prachi Singh, Bramha P. Pandey	ECE	<i>International Journal of Energetic Materials</i>	2019	2456-3978	http://materials.journalspub.info/index.php?journal=IJEM&page=article&op=view&path%5B%5D=543
Study of Printed Rotated Wide Slot Antenna using Microstrip Feedline with Different Stubs for Bandwidth Enhancement	Major G. S. Tripathi	ECE	IJCRT	2018	ISSN:2320-2882	Not Available
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Impact of ETL/Absorber Interface layer on Perovskite (CH ₃ NH ₃ PbX ₃ , X: I, Br, Cl) Solar Cell	Major G. S. Tripathi	ECE	Nano Trends-A Journal of Nano Technology & Its Applications	2018	0973-418X	http://techjournals.stmjournals.in/index.php/NTs/article/view/740
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CPW-Fed Printed Slot Antenna for Wireless and Future Mobile Broad-band Applications	Major G. S. Tripathi	ECE	i-Manager's Journal on Communication Engg. and systems	2017	ISSN Print: 2277-5102 ISSN Online: 2277-5242	https://search.proquest.com/docview/1809061075?pq-origsite=gscholar&fromopenview=true
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Design and Implementation of Dual-Band BPF using Tapered E Shaped Dual Mode Open Loop Resonator	Major G. S. Tripathi	ECE	GRD Journal–Global Research and Development Journal for Engineering	2017	2455-5703	file:///C:/Users/user/Downloads/Design_and_Implementation_of_Dual_Band_B.pdf
Design a Compact Triple Band Antenna with T and L-Shaped Slots for Wireless Communication	Major G. S. Tripathi	ECE	IJSRD- International Journal for scientific Research and Development	2017	ISSN: 2321-0613	Not Available
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