Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Deepak	Last Name	Gangwar	Photograph
Designation		Associate Professor				
Department		Department of Electronics & Instrumentation Engineering				
Address (Campus)		Department of Electronics & Instrumentation Engineering, FET, MJP Rohilkhand University, Bareilly				
(Residence)		133N, Ghandhipuram, Bareilly (U.P.)-243122				
Phone No (Campus)						
(Residence)						
Mobile		9718508870				
Fax						
Email		deepak.gangwar@mjpru.ac.in				
Web-Page		https://www.linkedin.com/in/deepak-gangwar-10ba5418/				

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
Ph.D.	IIT (ISM), Dhanbad	2017	Electronics Engineering
M. Tech	G.G.S.I.P.U. Delhi	2011	Digital Communication
B. Tech.	U.P.T.U. Lucknow	2008	Electronics and Communication Engineering

Career Profile

Organization / Institution	Designation	Duration	Role
Dept of Electronics and Instrumentation Engineering, MJP Rohilkhand University, Bareilly	Associate Professor	May 2023- Till Date	Academic
Bharati Vidyapeeths College of Engineering – New Delhi	Associate Professor	Aug 2017-May 2023	Academic
GCET, Greater Noida	Assistant Professor	Oct 2011-July 2017	Academic

Research Interests / Specialization

Antennas, Microwave devices, wearable and implantable antennas for biomedical applications, Metamaterial, RCS reduction

Teaching Experience (Subjects/Courses Taught)

15 Years

Honors & Awards

Gold medalist (2011 G.G.S.I.P.U. Delhi)

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	**0**	**Research Papers Published in International Journals**	**30**	**Papers Presented in Seminars/ Conferences**	**3**	**Seminars/ Conferences Organized**	**0**	**Research Projects (Completed)**	**1**
Books (Co-authored)	**0**	**Research Papers Published in Other Journals**	**0**	**Seminar/ Conferences Attended**	**3**	**Workshops Organized**	**0**	**Research Projects (Ongoing)**	**0**
Books (Edited)	1	**Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.**	0	**Sessions Chaired in Seminars/ Conferences**	0	**Membership of Academic/ Professional Bodies**	0	**Foreign Countries Visited for Academic Assignments**	0
Chapters in Edited Books	2			**Resource Lectures Delivered**	1				

Details of Publications /Academic Activities (2010 Onwards)

(a) Books / Monographs

Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)
2020	Printed Antennas: Theory and Design	CRC Press (Taylor & Francis)	9780367420451	BK Kanaujia, SK Gupta, J Kishor, D Gangwar

(b) Papers Published in Indexed/ Peer Reviewed Journals

Year	Title	Source / Impact Factor	Citations
2025	Compact dual-band dual sense circularly polarized flexible antenna with polarization rotation metasurface for off-body communications	International Journal of Electronics 112 (7), 1457-1475 Impact Factor: 1.20 Q4	2
2024	A single-layer multimode high gain circularly polarized metasurface antenna using CMA for C-band applications	International Journal of Microwave and Wireless Technologies 16 (7), 1218-1228 Impact Factor: 1.30 Q4	6
2024	Characterization and performance enhancement of 4× 4 microstrip antenna array in dusty atmosphere using metasurface based superstrate	Measurement 235, 114736 Impact Factor: 6.10 Q1	8
2024	Low-Profile Dual-Polarized Antenna Loaded With Electromagnetic Band-Gap Structures	Wireless Personal Communications 135 (4), 2077-2102 Impact Factor: 1.90 Q4	0
2024	Design and measurement of a thirty-two-port MIMO/diversity antenna based on radiator-ground isomorphic inverse approach for intelligent vehicular internet of things communications	Vehicular Communications 45, 100697 Impact Factor: 5.70 Q1	6
2023	A Microstrip Patch Antenna for MICS Band Biomedical Application	International Conference on Computational Electronics for Wireless …	0
2023	Easily extendable optically transparent multi-port dual polarized wideband THz-MIMO antenna for biomedical sensing, Industry 4.0, IoT, and 6G applications	Optical and Quantum Electronics 55 (14), 1282	20
2023	Low-profile high gain circularly polarized CRLH transmission line inspired antenna with artificial magnetic conductor for wearable applications	International Journal of Microwave and Wireless Technologies 15 (7), 1223-1232 Impact Factor: 1.30 Q4	1
2023	Design of low RCS high gain CP slot antenna using polarization conversion metasurface	International Journal of Electronics 110 (4), 648-669 Impact Factor: 1.20 Q4	5
2023	Dual-band circularly-polarized EBG-based antenna for Wi-MAX/WLAN/ISM band applications	Wireless Personal Communications 128 (1), 231-248 Impact Factor: 1.90 Q4	9
2022	A review of implantable antenna for biomedical applications: challenges and solutions	Recent Advances in Metrology: Select Proceedings of AdMet 2021, 55-63	1

2022	Design of polarization conversion metasurface for RCS reduction and gain improvement of patch antenna for Ku-band radar sensing applications	Sensors and Actuators A: Physical 333, 113273 Impact Factor: 5.10 Q1	23
2021	Design of terahertz PCM and its application in polarisation conversion and RCS reduction	2021 IEEE Indian Conference on Antennas and Propagation (InCAP), 863-866	3
2021	Wide-band metamaterial absorber surface for RCS reduction	2021 IEEE Indian Conference on Antennas and Propagation (InCAP), 871-874	1
2021	Hexa-band pattern reconfigurable antenna with defected ground plane	International Journal of Electronics 108 (11), 1899-1913 Impact Factor: 1.20 Q4	13
2021	Design of compact wideband circularly polarized hexagon-shaped antenna using characteristics mode analysis	IEEE Transactions on Instrumentation and Measurement 70, 1-8 Impact Factor: 7.00 Q1	32
2020	Deep ConvLSTM with self-attention for human activity decoding using wearable sensors	IEEE Sensors Journal 21 (6), 8575-8582 Impact Factor: 4.50 Q1	251
2020	Reconfigurable Printed Antennas	Printed Antennas, 287-316	1
2020	Printed Antennas: Theory and Design	CRC Press	18
2020	In-band RCS reduction and isolation enhancement of a 24 GHz radar antenna using metamaterial absorber for sensing and automotive radar applications	IEEE Sensors Journal 20 (21), 13086-13093 Impact Factor: 4.50 Q1	51
2020	Pattern and frequency reconfigurable antenna with diode loaded ELC resonator	International Journal of Microwave and Wireless Technologies 12 (2), 163-175 Impact Factor: 1.30 Q4	23
2020	Experimental investigation of the breast phantom for tumor detection using ultra-wide band–MIMO antenna sensor (UMAS) probe	IEEE Sensors Journal 20 (12), 6745-6752 Impact Factor: 4.50 Q1	66
2019	Design of compact dual-band patch antenna loaded with D-shaped complementary split ring resonator	Journal of Electromagnetic Waves and Applications 33 (16), 2096-2111 Impact Factor: 1.10 Q4	44
2019	Wideband high-gain circularly-polarized low RCS dipole antenna with a frequency selective surface	IEEE access 7, 156592-156602 Impact Factor: 4.20 Q2	24

2019	Characterization and performance measurement of low RCS wideband circularly polarized MIMO antenna for microwave sensing applications	IEEE Transactions on Instrumentation and Measurement 69 (6), 3847-3854 Impact Factor: 7.00 Q1	48
2019	Design of a wideband polarisation conversion metasurface and its application for RCS reduction and gain enhancement of a circularly polarised antenna	IET Microwaves, Antennas & Propagation 13 (9), 1427-1437 Impact Factor: 1.30 Q4	26
2019	Analysis and design of an ultra-thin metamaterial absorber and its application for in-band RCS reduction of antenna	Journal of Electromagnetic Waves and Applications 33 (5), 654-667 Impact Factor: 1.10 Q4	8
2019	Gain enhancement and RCS reduction of CP patch antenna using partially reflecting and absorbing metasurface	Electromagnetics 39 (2), 120-135 Impact Factor: 0.90 Q4	8
2019	A compact circularly polarized multiband microstrip patch antenna with defective ground structure	International Journal of Electronics and Telecommunications 65 (2) Impact Factor: 0.70 Q4	9
2018	Design of multiband multipolarised single feed patch antenna	IET Microwaves, Antennas & Propagation 12 (15), 2372-2378 Impact Factor: 1.30 Q4	32
2018	Mutual coupling reduction between elements of UWB MIMO antenna using small size uniplanar EBG exhibiting multiple stop bands	AEU-International Journal of Electronics and Communications 93, 32-38 Impact Factor: 3.10 Q2	119
2018	Gain enhancement and broadband RCS reduction of a circularly polarized aperture-coupled annular-slot antenna using metasurface	Journal of Computational Electronics 17 (3), 1037-1046 Impact Factor: 2.80 Q2	8
2018	RCS reduction and gain enhancement of SRR inspired circularly polarized slot antenna using metasurface	AEU-International Journal of Electronics and Communications 91, 132-142 Impact Factor: 3.10 Q2	33
2017	A meander line-DSRR double superstrate loaded high gain circular patch antenna	2017 IEEE Applied Electromagnetics Conference (AEMC), 1-2	3

2017	Frequency selective surface as superstrate on wideband dielectric resonator antenna for circular polarization and gain enhancement	Wireless personal communications 97 (2), 3149-3163 Impact Factor: 1.90 Q4	16
2017	Gain enhancement of microstrip patch antenna loaded with split ring resonator based relative permeability near zero as superstrate	Wireless Personal Communications 96 (2), 2389-2399 Impact Factor: 1.90 Q4	20
2016	Miniaturized EBG hairpin resonators for dual band applications	2016 IEEE 1st International Conference on Power Electronics, Intelligent …	0
2016	Circularly polarized inverted stacked high gain antenna with frequency selective surface	Microwave and Optical Technology Letters 58 (3), 732-740 Impact Factor: 1.10 Q4	27
2014	Reduction of mutual coupling in metamaterial based microstrip antennas: The progress in last decade	Wireless personal communications 77 (4), 2747-2770 Impact Factor: 1.90 Q4	14
2014	Miniaturized inverted multiband stacked triangular fractal patch antenna for wireless communication	2014 International Conference on Signal Processing and Integrated Networks …	13
2014	Design and analysis of a pentagonal rectenna	2014 International Conference on Signal Processing and Integrated Networks …	13
2013	Multiband microstrip stacked patch antenna using CSRR	2013 International Conference on Microwave and Photonics (ICMAP), 1-4	8
2011	Enhancement of front to back ratio and directivity with wire medium ε-Near zero metamaterial as superstrate in microstrip patch radiators	2011 Indian Antenna Week (IAW), 1-4	7

(c) Articles

(d) Seminar/Conference Presentations

1- Deepak Gangwar, Das, S., & Yadava, R. L. (2017, December). A meander line-DSRR double superstrate loaded high gain circular patch antenna. In Applied Electromagnetics Conference (AEMC), 2017 IEEE (pp. 1-2).

2- Deepak Gangwar, R. L. Yadava and Sushrut Das," Multiband stacked patch antenna using CSRR", IEEE-ICMAP-Dhanbad, Dec 2013 (IEEE Explore)

3- Deepak Gangwar, Prateek Juyal, Ashok Mittal, Asok De " Enhancement of Front to Back Ratio and Directivity with wire medium ε -Near Zero Metamaterial as Superstrate in Microstrip Patch Radiators" IEEE –AEMC-IAW Conference, Dec-2011 (IEEE Explore)

(e) Resource Lectures Delivered

"DESIGN AND ANALYSIS OF LOWRCSANTENNAS" in TQIP SPONSORED SHORT TERM COURSE ON ANTENNA DESIGN AND FABRICATION THDC-IHET Tehri, Uttarakhand (04/09/2019to08/09/2019)

(f) Seminars/Conferences/Workshops Organized

(g) Public Service / University Service / Consulting Activity

(h) Memberships of Academic/Professional Bodies

Projects (With Title, Year, Grants, Funding Agency and Collaborations)

DRDO Project (amount 9.8 Lacs) as a capacity of co-investigator (January 2020 to January 2022)
Project title:- Design and Metamaterial based antenna array in millimeter wave frequency for object detection in Dusty atmosphere.

Administrative Positions/Assignments Held

Academic Foreign Visits

Any Other Details