महात्मा ज्योतिबा फुले
रूहेलखण्ड विश्वविद्यालय, बरेली

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**				
Mobile No.		**9718508870**				
Email ID		Personal	**er.deepakgangwar@gmail.com**			
		University Domain	**deepak.gangwar@mjpru.ac.in**			
Professional Networking ID, i.e. Linkedin, Twitter etc.		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	Nature of Duties
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

Research Experience in Years 12 Years

No of Research Scholars Successfully Guided

Name of Programme	Awarded	Under Supervision

Ph.D.	**0**	**2**
M.Phil.	**0**	**0**
Dissertation (M.Ed./M.A.)	**0**	**0**

Researcher/ Expert ID	**Scopus**	**Orchid**	**Publons**	**Vidwan**	**Google Scholar**
	55258945300	0000-0002-9704-2228	I-8876-2019		https://scholar.google.com/citations?hl=en&user=4FUK4-AAAAAJ

Teaching Experience (Subjects/Courses Taught)

Microwave Engineering, Electromagnetic Fields, Microwave Theory And Technique, Antenna Theory And Practice Etc.

Honours / Awards & Fellowship FOR OUTSTANDING WORK

Name of Award/ Fellowship	**Awarded By**		
	Name of Governmental Agency	**Name of Government Supported Organization/ Department**	**Name of International Recognized Body**
Gold Medal	G.G.S.I.P.U. Delhi		

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	0	Research Papers Published in International Journals	23	Papers Presented in Seminars/ Conferences	3	Seminars/ Conferences Organized	0	Research Projects (Completed)	**01**
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	1			Resource Lectures	1				

				Delivered					

Details of Publications /Academic Activities (2010 Onwards)

(a) Authored Books/ Monographs

Name of Book	Year of Publication	Publisher	ISBN No

(b) Edited Books

Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
2020	**Printed antennas : theory and design**	**CRC Press**	978-0-367-42041-3	**LCCN 2020024665**	**9**

(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2023	Design of low RCS high gain CP slot antenna using polarization conversion metasurface	International Journal of Electronics	Print ISSN: 0020-7217 (Science Citation Index Expanded)		**1.45**
2023	Dual-band circularly-polarized EBG-based antenna for Wi-MAX/WLAN/ISM band applications	Wireless Personal Communications	Print ISSN 0929-6212 (Science Citation Index Expanded)	**2**	**2.017**
2022	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	ISSN: 1759-0787 (Print), (Science Citation Index Expanded)		**1.09**
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	Print ISSN: 0924-4247 (Science Citation Index Expanded)	**5**	**4.29**
2021	Hexa-band pattern reconfigurable antenna with defected ground plane	International Journal of Electronics	Print ISSN: 0020-7217 (Science Citation Index Expanded)	**6**	**1.45**
2021	Design of compact wideband circularly polarized hexagon-shaped antenna using characteristics mode analysis	IEEE Transactions on Instrumentation and Measurement	Print ISSN: 0018-9456 (Science Citation Index Expanded)	**10**	**5.33**
2020	Deep ConvLSTM with self-attention for human activity decoding using wearable sensors	IEEE Sensors Journal	Print ISSN: 1530-437X Electronic ISSN: 1558-1748 (Science Citation Index Expanded)	**87**	**4.32**
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	Print ISSN: 1530-437X Electronic ISSN: 1558-1748 (Science Citation Index Expanded)	**19**	**4.32**
2020	Experimental investigation of the breast phantom for tumor detection using ultra-wide band–MIMO antenna sensor (UMAS)	IEEE Sensors Journal	Print ISSN: 1530-437X Electronic ISSN: 1558-1748	**31**	**4.32**

	probe		(Science Citation Index Expanded)		
2019	Design of compact dual-band patch antenna loaded with D-shaped complementary split ring resonator	Journal of Electromagnetic Waves and Applications	Print ISSN: 0920-5071 Online ISSN: 1569-3937 (Science Citation Index Expanded)	**25**	**1.43**
2019	Wideband high-gain circularly-polarized low RCS dipole antenna with a frequency selective surface	IEEE Access	Electronic ISSN: 2169-3536 (Science Citation Index Expanded)	**12**	**3.47**
2019	Characterization and performance measurement of low RCS wideband circularly polarized MIMO antenna for microwave sensing applications	IEEE Transactions on Instrumentation and Measurement	Print ISSN: 0018-9456 (Science Citation Index Expanded)	**26**	**5.33**
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	ISSN 1751-8725 (Science Citation Index Expanded)	**17**	**1.8**
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	Print ISSN: 0920-5071 (Science Citation Index Expanded)	**7**	**1.43**
2019	Gain enhancement and RCS reduction of CP patch antenna using partially reflecting and absorbing metasurface	Electromagnetics	Print ISSN: 0272-6343 (Science Citation Index Expanded)	**7**	**1.042**
2018	Design of multiband multipolarised single feed patch antenna	IET Microwaves, Antennas & Propagation	ISSN 1751-8725 (Science Citation Index Expanded)	**25**	**1.8**
2018	Gain enhancement and broadband RCS reduction of a circularly polarized aperture-coupled annular-slot antenna using metasurface	Journal of Computational Electronics	Print ISSN 1569-8025 (Science Citation Index Expanded)	**8**	**1.98**
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	Print ISSN: 1434-8411 (Science Citation Index Expanded)	**97**	**3.17**
2018	RCS reduction and gain enhancement of SRR inspired circularly polarized slot antenna using metasurface	AEU-International Journal of Electronics and Communications	Print ISSN: 1434-8411 (Science Citation Index Expanded)	**27**	**3.17**
2017	Gain enhancement of microstrip patch antenna loaded with split ring resonator based relative permeability near zero as superstrate	Wireless Personal Communications	0929-6212 (Science Citation Index Expanded)	**14**	**2.017**
2017	Frequency Selective Surface as Superstrate on Wideband Dielectric Resonator Antenna for Circular Polarization and Gain Enhancement	Wireless Personal Communications	0929-6212 (Science Citation Index Expanded)	**12**	**2.017**
2016	Circularly polarized inverted stacked high gain antenna with frequency selective surface	Microwave and Optical Technology Letters	1098-2760 (Science Citation Index Expanded)	**23**	**1.3**
2014	Reduction of Mutual Coupling in Metamaterial Based Microstrip Antennas: The Progress in Last Decade	Wireless Personal Communications	0929-6212 (Science Citation Index Expanded)	**14**	**2.017**

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/ web of science
National	International							

(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution
Invited lecture	**TQIP SPONSORED SHORT TERM COURSE ON ANTENNA DESIGN AND FABRICATION**	**DESIGN AND ANALYSIS OF LOWRCSANTENNAS**	**04/09/2019to08/09/2019**	**THDC-IHET Tehri, Uttarakhand**

(f) Seminars/Conferences/Workshops Organized

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

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2020	Design and Metamaterial based antenna array in millimeter wave frequency for object detection in Dusty atmosphere.	**drdo**	**9.87 LACS**	**Jan 2020**	**Jan 2022**

(h) Administrative Positions/Assignments Held

Post	Organization	Duration	
		From	To

(i) 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)

(j) Memberships of Academic/Professional Bodies

(k) Participation in Community Service / Exchange Programme / Consulting Activity

(l) International Academic Exposure

(m) Any Other Details