



Faculty Profile on University Website

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महात्मा गांधी के साथ
संस्कृत विश्वविद्यालय, बरेली

Title	Dr.	First Name	<i>ANIL KUMAR</i>	Last Name	<i>SINGH</i> <th>Photograph</th>	Photograph					
Designation	Professor										
Department	Electronics and Instrumentation Engineering										
Address (Campus)	Electronics and Instrumentation Engineering, FET, MJP Rohilkhand University, Bareilly										
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Web-Page											
Educational Qualifications (Graduation Onwards)											
Course/Degree	Institution		Year	Details/Thesis Topic/Subjects							
Ph. D.	IIT (ISM), Dhanbad		2016	Electronics Engineering							
M. E.	NITTTR, Chandigarh		2011	Instrumentation & Control							
B. Tech.	IET, MJP Rohilkhand University, Bareilly		1999	Electronics & Instrumentation Engineering							
Career Profile											
Organization / Institution	Designation		Duration	Role							
M.J.P. Rohilkhand University, Bareilly	Professor		02 December 2019 to till date	Academic							
M.J.P. Rohilkhand University, Bareilly	Associate Professor		02 December 2016 to 01 December 2019	Academic							
M.J.P. Rohilkhand University, Bareilly	Assistant Professor		28 Sept 2002 to 01 December 2016	Academic							
M.J.P. Rohilkhand University, Bareilly	Lecturer (Guest Faculty)		14 Aug 2000 to 27 Sept 2002	Academic							
Research Interests / Specialization											
Microstrip Antenna, Instrumentation and Control and Embedded System											
Teaching Experience (Subjects/Courses Taught)											
20 years											
Digital Electronics, Transducer, Digital System, Electronic Measurement & Instrumentation, Electronic Engineering											
Honors & Awards											
Publications / Academic Activities (Numbers Only)											
Books & Monographs (Single Author)	0	Research Papers Published in International Journals	27	Papers Presented in Seminars/Conferences	11	Seminars/Conferences Organized					
Books (Co-authored)	1	Research Papers Published in Other Journals	01	Seminar/Conferences Attended	10	Workshops Organized					
Books (Edited)	0	Articles Published in Popular Fora, e.g., Websites,	0	Sessions Chaired in Seminars/Conferences	0	Membership of Academic/Professional					
Chapters in	2				1	Foreign Countries Visited for					

Edited Books	Blogs, Newspapers, Magazines etc.	Resource Lectures Delivered	0	Bodies	Academic Assignments	
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Details of Publications /Academic Activities (2010 Onwards)

(a) Books / Monographs

<u>Year of Publicati on</u>	<u>Title</u>	<u>Publisher</u>	<u>ISBN</u>	<u>Co-Author (s) (if any)</u>
2020	Chapter-1: Basic Theory and Design Book Title: Printed Antennas: Theory and Design	CRC Press, Taylor & Francis Group, Boca Raton, Florida, United States	ISBN-13: 9780367420413	Dr. Shilpee Patil, Prof. Binod Kumar Kanaujia, and Dr. Anil Kumar Singh
2022	Chapter -Substrate Integrated Waveguide Antenna for High-Frequency Application Book Title: IOT with Smart Systems, Smart Innovation, Systems and Technologies	Springer, Singapore	ISSN 2190-3026	Inderpreet Kaur, Banani Basu, Anil Kumar Singh
2022	“Wireless Sensor Networks”, First Edition,	Haiyagrev Publications, Kamaraj Nagar, Bhavani, Erode, Tamilnadu. India,	ISBN: 978-81-955121-8-8	Dr. R. Amuthakannan, Dr. Anil Kumar Singh , Dr. K. Devarajan, Dr. P. Sakthibalan,

(b) Papers Published in Indexed/ Peer Reviewed Journals

<u>Year of Public ation</u>	<u>Title</u>	<u>Journal</u>	<u>ISSN/ Indexing</u>	<u>Co-Author (s) (if any)</u>
2008	IMPATT Diode Integrated Annular Ring Microstrip Antenna pages 1491–1495,	MOTL, WILEY Interscience	PRINT: 0895-2477 ONLINE: 1098-2760	B. K. Kanaujia, A. K. Singh and B. R. Vishvakarma
2008	Analysis and Design of Gap Coupled Annular Ring Microstrip Antenna, 5 pages,	International Journal of Antenna and Propagation, Hindawi Publishing Corporation	doi:10.1155/2008/792123	B. K. Kanaujia, A. K. Singh
2008	Frequency Agile Annular Ring Microstrip Antenna Loaded With MOS Capacitor, pp. 1361-1370,	Journal of Electromagnetic and Wave Application (JEMWA-PIER)	Print ISSN: 0920-5071 Online ISSN: 1569-3937	B. K. Kanaujia, A. K. Singh and B. R. Vishvakarma
2010	Noise Consideration of Gunn Diode Integrated Annular Ring Microstrip Antenna.	IJMOT	1553-0396	B. K. Kanaujia, A. K. Singh and B. R. Vishvakarma
2011	Analysis of Tunnel Diode loaded annular ring microstrip antenna Frequency agile operation, pp. 13-17.	IJMOT	1553-0396	B. K. Kanaujia, A. K. Singh and B. R. Vishvakarma
2015	Wideband and Compact Slot Loaded Annular Ring Microstrip Antenna using L-Probe Proximity-Feed for	IJMWT, Cambridge University Press	1759-0787 (Print), 1759-0795 (Online)	A. K. Singh, R. K. Gangwar, B. K. Kanaujia

	Wireless Communications, pp. 1-9			
2015	Design and Analysis of Cavity backed Annular Ring Microstrip Antenna,	Wireless Personal Communication, Springer,	0929-6212 (Print) 1572-834X (Online)	A. K. Singh, R. K. Gangwar, B. K. Kanaujia and Abhishek Sharma
2015	Orthogonal Slot Loaded Coaxially Stacked Annular Ring Antenna with Circular Patch for Multiband Application,	Journal of Electromagnetic Waves and Applications, Taylor & Francis,	Print : 0920-5071 Online : 1569-3937	A. K. Singh, R. K. Gangwar, B. K. Kanaujia
2015	Sectored Annular Ring Microstrip Antenna with DGS for Circular Polarization,	MOTL, WILEY Interscience	PRINT: 0895-2477 ONLINE: 1098-2760	A. K. Singh, R. K. Gangwar, B. K. Kanaujia
2016	“Design of Compact Multi-Band Meander-Line Antenna for GPS/WLAN/WiMAX band Applications in Laptops/ Tablets Volume: 10, no. 15, pp. 1619-1624,	” IET Microwaves, Antennas & Propagation,	Online 1751-8733 Print 1751-8725	P. Bartwal, A. K. Gautam, A. K. Singh, B. K. Kanaujia, and Karumudi Rambabu
2016	Circularly Polarized Annular Ring Microstrip Antenna for High Gain Application,” Volume 36, no. 6, pp. 379-391.,	Electromagnetics, Taylor & Francis,	Print : 0272-6343 Online : 1532-527X	A. K. Singh, R. K. Gangwar, B. K. Kanaujia
2017	Design of dual band dual sense circular polarized wide slot antenna with C-shaped radiator for wireless applications, pp. 1-9,	Journal of RF-Engineering and Telecommunications, Frequenz.	doi:10.1515/freq-2017-0176	S. Patil, A. K. Singh, B. K. Kanaujia, and R. L. Yadava, “
2018	A low-profile triple band circular polarized wide slot antenna for wireless systems, pp. 1-8.	IJMWT, Cambridge University Press	doi: 10.1017/S175907818001149	S. Patil, A. K. Singh, B. K. Kanaujia, and R. L. Yadava, “
2018	CPW - Fed Dodecagon Ring Shape Antenna for Ultra Wide Band Application”, Volume 3, No. 4, pp. 201-208,	International Journal of Ultra Wideband Communications and Systems	DOI: 10.1504/IJUWBCS.2018.092428	A. Sharma, P. Khanna, A. K. Singh, A. Kumar
2018	Design of Inclined Coupling Slot loaded CPW-fed Circular Polarized Slot Antenna for Wireless Applications”, Vol. 38, NO. 4, pp. 226–235.	Electromagnetics, Taylor & Francis	DOI: 10.1080/02726343.2018.1457270	S. Patil, A. K. Singh, B. K. Kanaujia, and R. L. Yadava
2018	A Compact, Dual Wideband, Dual Polarized, Modified Square Ring Slot Antenna for C and Ku Band Applications, pp. 1-8,	IJMWT, Cambridge University Press	doi: 10.1017/S175907818001368	S. Patil, A. K. Singh, B. K. Kanaujia, and R. L. Yadava
2019	Circularly Polarized Microstrip Antenna using SLPD Electromagnetic Band Gap Structure, Vol. 74: Issue 1-2, pp. 41–51	Journal of RF-Engineering and Telecommunications, Frequenz.	doi.org/10.1515/freq-2019-0081	A. Verma, A. K. Singh, N. Srivastava, and B. K. Kanaujia
2019	A Novel Printed Circularly Polarized Asymmetric Wide Slot Antenna for Digital Cellular System. Vol. 62, Issue 3, pp. 1438-1447	MOTL, WILEY Interscience	doi.org/10.1002/mop.32177	A. K. Singh S. Patil, , B. K. Kanaujia, and V. K Pandey
2019	Slot loaded EBG based Metasurface for performance improvement of Circularly Polarized Antenna for WiMAX applications. Vol. 12 Issue 3	IJMWT, Cambridge University Press	doi.org/10.1017/S1759078719001211	A. Verma, A. K. Singh, N. Srivastava, S. Patil and B. K. Kanaujia,
2020	Circularly Polarized Hexagonal Ring Microstrip Patch Antenna with Asymmetrical Feed and DGS, Vol. 62, Issue 4, pp. 1702-1708	MOTL, WILEY Interscience	doi.org/10.1002/mop.32341	R. K. Maurya, B. K. Kanaujia, A. K. Gautam, S. Chatterji, A. K.

				Singh
2020	Hexagonal Ring Electromagnetic Band Gap based Slot Antenna for Circular Polarization and Performance Enhancement Vol. 62, Issue 7 pp. 2576-2587	MOTL, WILEY Interscience	doi.org/10.1002 /mop.32342	A. Verma, A. K. Singh, N. Srivastava, and B. K. Kanaujia
2020	A compact circularly polarized modified printed monopole antenna for wireless applications Vol. 40, Issue 8, pp. 576-593	Electromagnetics, Taylor & Francis	doi: 10.1080/02726343.2020.1838056	Alka Verma, Anil Kumar Singh , Neelam Srivastava, and Binod Kumar Kanaujia
2021	"Performance enhancement of circularly polarized patch antenna using slotted circular EBG-based metasurface" <i>Frequenz</i> , vol. 75, no. 1-2, 2021, pp. 35-47.	Frequenz,	doi.org/10.1515/freq-2020-0051	Alka Verma, Anil Kumar Singh , Neelam Srivastava, Shilpee Patil and Binod Kumar Kanaujia,
2021	"A low-profile circularly polarized microstrip antenna using elliptical electromagnetic band gap structure", , Vol. 14, Issue 8, pp. 1009-1018, 28 Sept 2021,	International Journal of Microwave and Wireless Technologies	ISSN: 1759-0787(Print), 1759-0795(Online), doi:10.1017/S1759078721001367.	Shilpee Patil, Alka Verma, A. K. Singh , Binod K. Kanaujia, and Suresh Kumar,
2021	"A simple and compact broadband circularly polarized circular slot antenna for WLAN/WiMAX/DBS applications", Vol. 76, no. 3-4, pp. 209-219, Oct 2021,	Frequenz,	DOI https://doi.org/10.1515/freq-2021-0118	S Patil, AK Singh, VK Pandey, BK Kanaujia, AK Pandey,
2021	Bidirectional Substrate Integrated Waveguide Antenna for X Band Weather Radar Application, Vol. 2021, Issue: 9, pp. 15929–15936	Design Engineering, Rogers Media Publishing, Canada	ISSN: 0011-9342	Inderpreet Kaur, Banani Basu, Anil Kumar Singh
2022	Annular Ring Ultra Wideband Antenna integrated with Metallic via Array for IoT Applications	IEEE Access	doi: 10.1109/ACCESS.2022.3189573, ISSN: 2169-3536	Inderpreet Kaur, Banani Basu, Anil Kumar Singh , Vinay Rishiwal, Sudeep Tanwar, Gulshan Sharma, Pitshou N Bokoro, Ravi Sharma
2023	Notched Circular EBG based Circularly Polarized Antenna for Performance Enhancement, Vol. 22, No. 1, March 2023	JMOE	DOI: http://dx.doi.org/10.1590/2179-10742023v22i1265710, ISSN 2179-1074	Alka Verma , Shilpee Patil , Anil Kumar Singh , Anil Kumar Pandey

(c) Article

(d) Seminar/Conference Presentations

- [1] Binod K. Kanaujia A. K. Singh, R. K. Maurya and Indera Preet Kaur, "Frequency Agile Annular Ring Microstrip Antenna Loaded With IMPATT Diode," International Conference on Wireless, Mobile and Multimedia Networks, IET, Bombay, pp. 9-12, January 11-12, 2008.
- [2] Binod K. Kanaujia, A. K. Singh, R. K. Maurya and Siva Jiaswal, "Concentric Annular Ring Microstrip Antenna Array, "International Conference on Wireless, Mobile and

- Multimedia Networks, IET, Bombay, pp. 13-16, January 11-12, 2008.
- [3] A. K. Singh, Binod K. Kanaujia and B. R. Vishvakarma, "Design Consideration Of Tunnel Diode Loaded Annular Ring Microstrip Antenna," International Conference On Radio Science (ICRS-2008), International Centre For Radio Science, Jodhpur February 2008.
- [4] A. K. Singh, Binod K. Kanaujia and B. R. Vishvakarma, "Frequency Agile Annular Ring Microstrip Antenna Symmetrically Loaded With MOS Capacitor," International Conference On Radio Science(ICRS-2008), International Centre For Radio Science, Jodhpur, February 27-29, 2008.
- [5] R. K. Maurya, A. K. Singh, Binod K. Kanaujia, Brahm Deo Yadav and Ritu Rani, "Wireless Home Security & Teleguard System," International Conference on Wireless, Mobile and Multimedia Networks, IET, Bombay, pp. 78-80, January 11-12, 2008.
- [6] R. K. Maurya, Binod K. Kanaujia, A. K. Singh and A. K. Gautam, "Rectangular Microstrip Antenna Symmetrically Loaded With IMPATT Diode," International Conference On Radio Science (ICRS-2008), International Centre For Radio Science, Jodhpur, February 27-29, 2008.
- [7] A. K. Singh, Ravi Kumar Gangwar and Binod K. Kanaujia, "Bandwidth Enhancement of L-Probe Proximity-Fed Annular Ring Microstrip Slot Antenna", 6th IEEE/International Conference on Advanced Infocomm Technology(ICAIT-2013), Tiwan, July 6th -9th, 2013.
- [8] 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" International Conference on Microwave and Photonics (ICMAP-2013), Indian School of Mines, Dhanbad, 13th-15th December 2013.
- [9] A. K. Singh, Binod K. Kanaujia, R. K. Maurya and B. R. Vishvakarma, "Frequency Agile Microstrip Antenna," National Seminar ACST, SRMS-Bareilly, 15th April 2007.
- [10] Vakil Kr. Yadav, Ajay Kr. Yadav, A. K. Singh, Y. Kumar, "IMPROVISATION OF BLUE-TOOTH TECHNOLOGY," National Seminar on Recent Trends in Digital Communication, IIET, Bareilly, 2-3 February 2008.
- [11] Ajay Kr. Yadav, Vakil Kr. Yadav, A. K. Singh, Y. Kumar, "Remote Control of Electrical Devices," National Seminar on Recent Trends in Digital Communication, IIET, Bareilly, 2-3 February 2008.

(e) Resource Lectures Delivered

(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)

Compact and Wide Band Microstrip Antenna, 2018, Rs. 200000.00, TEQIP_III,
NPIU, MHRD, Govt. of India.

Administrative Positions/Assignments Held

Assistant Incharge of Guest House 10.05.2017.

Member of Purchase committee for the department for the department of Electronics and Instrumentation Engineering under RUSA since 12.07.2017

Coordinator of B.P.Ed. Entrance Examination-2017.

Coordinator of B.Ed. Entrance Examination-2017.

Academic Incharge, Electronics and Instrumentation Engineering, Odd Sem-2017.

Observer in MSc Entrance Examination-2017 at Bareilly College, Bareilly.

Assistant Research coordinator RET-2017.

Assistant coordinator of Central Evaluation Centre-14 in 2017.

Assistant coordinator of Central Evaluation Centre-23 in 2017.

Assistant coordinator of Flying Squad for professional course in 2017.

Professor-Incharge of Library (FET) since 2019

BoS Convener (EI Department) 2018-19

Coordinator-Central Maintenance Cell since 11 February 2021

Academic Foreign Visits

Any Other Details

Anil