


**CENTRAL UNIVERSITY OF JAMMU**

**FACULTY PROFILE PERFORMA**

<b>Name</b>	<b>Dr. SANJEEV YADAV</b>	
<b>Title &amp; Designation</b>	Associate Professor Department of ECE (Under the mentorship of IIST-ISRO) Central University of Jammu Bagla (Rahya Suchani)- 181143, Distt.: Samba, (UT of J&K), India.	
<b>Residence Address</b>		
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<b>Email</b>	<a href="mailto:sanjeev.ece@cuammu.ac.in">sanjeev.ece@cuammu.ac.in</a>	
<b>Educational Qualifications:</b>		
<b>Degree</b>	<b>Institution</b>	<b>Year</b>
PhD	Rajasthan Technical University	2019
M.Tech	Malaviya National Institute of Technology (MNIT) Jaipur	2010
B.Tech	U.P. Technical University	2007
<b>Career Profile:</b>		
<ul style="list-style-type: none"><li>• Currently Working as <b>Associate Professor</b> in Department of Electronics and Communication Engineering, <b>Central University of Jammu</b> since December 07, 2023.</li><li>• Assistant Professor, Government Women Engineering College, Ajmer, May 02, 2012- December 06, 2023.</li><li>• Head of Department, ECE, Women Engineering College Ajmer, December, 2019- November 2022.</li><li>• Assistant Professor, JaganNath Gupta Institute of Technology, Jaipur, July 2010- May 01, 2012.</li></ul>		
<b>Administrative Assignments:</b>		
At GWEC Ajmer		
<ul style="list-style-type: none"><li>• Head of the Department, December 2019-November 2022</li><li>• Coordinator IQUAC cell, August 2019- December 06, 2023</li><li>• Member NBA Core Committee</li><li>• Student Branch Counselor, IEEE Student Branch GWECA January 2021- December 06, 2023</li><li>• Student Branch Counselor, IEEE WIE Student Branch GWECA April 2023- December 06, 2023</li><li>• SPOC, Coursera, March 2020- December 06, 2023</li><li>• SPOC, NPTEL Chapter, November 2019- December 06, 2023</li><li>• Convener, Spoken Tutorial Classes under TEQIP-III since January 21, 2019.</li><li>• Member, GATE Committee under TEQIP-III Since April 02, 2019</li></ul>		
<b>Areas of Interest / Specialization:</b>		
Antennas, Microwave, Frequency Selective Surfaces, Metamaterial Absorber, Rasorber, etc.		

<b>Subjects Taught:</b>	
<ul style="list-style-type: none"> <li>• Antenna and Wave Propagation</li> <li>• Microwave Engineering</li> <li>• Biomedical Electronics</li> <li>• Electronic Devices and Circuits</li> <li>• Analog Electronics</li> <li>• RADAR and TV Engineering</li> <li>• Introduction to Cyber Security</li> </ul>	
<b>Research Guidance:</b>	
<b>Ph.D Students Supervised: 01</b>	
<b>Name</b>	<b>Title</b>
Joohi Garg (2019REC9530)	Design and Performance Evaluation of Different Frequency Selective Surfaces for Communication System
<b>M.Tech Students Guided : 16 + 02 Ongoing</b>	
<b>Name</b>	<b>Topic</b>
Bhavana Pesswani	Design of Novel Miniaturized Band Pass Frequency Selective Surfaces for Microwave Applications
Umesh Soni	Design and Study of Compact Microstrip Patch Antennas for Ultra-Wideband Communication Applications
Ruchika Choudhary	Design and Study of Fractal Antennas for wireless Applications
Kiran Aseri	Augmentation in the performance of Antenna using Band Stop Frequency Selective Surface having Single and Multi-band Applications
Ashu Verma	Multiband Antenna for Wireless Application
Preeti Jain	A Compact Novel Microstrip -Fed Patch Antenna for UWB Application
Pushpanjali Jain	Design and Simulation of Fractal Antennas
Vandana Jain	Design of Metamaterial Microwave Absorber and Band stop Frequency Selective Surface for Microwave Applications
Rachana	Multiband Reconfigurable Antenna with Band-Notched Characteristics
Pranati Sharma	Frequency Selective Surfaces for Multiband Applications
Neelam	Ultrathin Polarization -Insensitive Metamaterial Absorber for Stealth Technology Application
Monika Garg	Designing of Frequency Selective Surface to Escalate the performance of wireless application
Shweta Garg	Designing and Fabrication of Frequency Selective Surface for Tripple Band Application

Drakshanda Noor	Designing and Fabrication of Frequency Selective Surface for Wireless Applications
Bhanupriya Kumawat	Design Simulation and Fabrication of Triple Band, Quad-Band, and Multi-Band Antenna
Aanchal Sharma	An UWB Antenna Design with Dual Band Notched Characteristic Using U-Shaped Slots

#### Publications Profile:

#### A. RESEARCH PAPERS IN JOURNALS

##### SCI/SCOPUS

1. Garg, Joohi, Yadav, Sanjeev and Sharma, Mahendra Mohan. "A modified Jerusalem inspired bandpass FSS for multiband applications based on concentric ring slots" *Frequenz*, 2023. <https://doi.org/10.1515/freq-2022-0218>
2. Garg, J., Sharma, M.M. & Yadav, S. Quad-band planar frequency selective rasorber with T-A-A-T operating mode and high oblique incidence stability. *Opt Quant Electron* 55, 434 (2023). <https://doi.org/10.1007/s11082-023-04702-2>
3. **Sanjeev Yadav**, Joohi Garg, M.M. Sharma, "A Novel Miniaturized Loop Based Angularly Stable and Polarization Independent Multiband Bandpass FSS Structure for Wi-Max and WLAN Applications" *Sādhanā* 48, 14 (2023). <https://doi.org/10.1007/s12046-022-02068-x>
4. R. Dhara, **Sanjeev Yadav**, S. Mahato, M.M. Sharma, and M.C. Govil, "An Antipodal Antenna with Improved Axial Ratio Bandwidth" *IETE Journal of Research (TIJR)*, 2022. Doi: 10.1080/03772063.2022.2130830
5. Monika Jangid, Jaiverdhan, **Sanjeev Yadav**, and Mahendra Mohan Sharma, "A CPW Fed Cross-Shaped Dual-Band Circularly Polarized Monopole Antenna with Strip/Stub/Slot Resonator Loadings" *Progress In Electromagnetics Research M*, Vol. 109, 113-123, 2022. doi:10.2528/PIERM21122206
6. **Sanjeev Yadav**, Mahendra Mohan Sharma, and Rajesh Singh, "A Polarization Insensitive Tri-Band Bandpass Frequency Selective Surface for Wi-MAX and WLAN Applications," *Progress In Electromagnetics Research Letters*, Vol. 101, 127-136, 2021. doi:[10.2528/PIERL21091101](https://doi.org/10.2528/PIERL21091101)
7. Reshmi Dhara, **Sanjeev Yadav**, Mahendra Mohan Sharma, Sanjay Kumar Jana, and Mahesh Chandra Govil, "A Circularly Polarized Quad-Band Annular Ring Antenna with Asymmetric Ground Plane Using Theory of Characteristic Modes," *Progress In Electromagnetics Research M*, Vol. 100, 51-68, 2021. doi:10.2528/PIERM20102006
8. **Sanjeev Yadav**, C. P. Jain and M. M. Sharma, "Smartphone Frequency Shielding With Penta-Bandstop FSS for Security and Electromagnetic Health Applications," in *IEEE Transactions on Electromagnetic Compatibility*, vol. 61, no. 3, pp. 887-892, June 2019, doi: 10.1109/TEM.2018.2839707.
9. **Sanjeev Yadav**, C P Jain, M.M. Sharma, "Polarization Independent Quad-Bandpass Frequency Selective Surfaces with Wide Band Ratio", *Int J RF Microw Comput Aided Eng.*, 2018. e21679. <https://doi.org/10.1002/mmce.21679>.
10. **Sanjeev Yadav**, C. P. Jain, M.M. Sharma, "Polarization independent dual-bandpass frequency selective surface for Wi-Max applications", *Int J RF Microw Comput Aided Eng.* 2018;e21278. <https://doi.org/10.1002/mmce.21278>

## **JOURNALS (NON SCI/NON SCOPUS)**

11. K Singh, J K Deegwal, M M Sharma, **Sanjeev Yadav**, "Performance Comparison of Schottky Diode models for RF Energy Harvesting", *International Journal of Engineering Research and Applications (IJERA)*, Vol. 10, Issue 6, (Series-VI) June 2020, pp. 51-57.
12. Disha Singh, B.K. Mishra, **Sanjeev Yadav**, "A Novel SRR Slotted UWB Antenna with Dual Band-Notched Characteristics at WiMAX & WLAN Band", *International Journal of Recent Trends in Engineering & Research (IJRTER)*, Volume 04, Issue 11; November - 2018 [ISSN: 2455-1457]. DOI : 10.23883/IJTER.2018.4397.SFFQP
13. Bhanupriya Kumawat, **Sanjeev Yadav**, S Meena, "A novel Design of F shaped Multiband Antenna". *Journal of Advanced Research in Electronics Engineering and Technology*, 2017; 4(1&2):1-4.
14. D. Noor, **Sanjeev Yadav**, S. K. Yadav, "A Triple Band Pass Frequency Selective Surface for the Intensification in the Performance of C and X Band Applications", *Journal of advanced research in microelectronics and VLSI design*, 2017; 4(1&2): 12-18.
15. Monika Garg, Shweta Garg, **Sanjeev Yadav**, Rekha Chahar, "A Polarization Insensitive Triple Band Reject Frequency Selective Surface for the Reduction of Radar Cross Section", *Journal of advanced research in microelectronics and VLSI design*, 2017; 4(1&2): 1-7.
16. Rekha Chahar, Himani, **Sanjeev Yadav**, "Implementation of FSK and PSK Using On-Off Keying with MATLAB", *Journal of Analog and Digital Communications*, Vol 2, No 2, Issue 3, pp. 1-6 (2017).
17. Pranati Sharma and **Sanjeev Yadav**, "Review paper on Microwave Absorber using FSS", *International Journal Of Scientific & Engineering Research*, Volume 6, Issue 10, October-2015.
18. **Sanjeev Yadav**, Bhavana Pesswani, Krishna Rathore and M. M. Sharma, "A Frequency Selective Waveguide Filter for Microwave Applications" *INROADS Issue -1s2, Volume. 3, No. 1, January-June 2014*, pp.372-375, Online ISSN: 2277-4904.
19. **Sanjeev Yadav**, Umesh Soni, Ajay Dadhich and M. M. Sharma, "Dual Band Fork Shaped Monopole Antenna: Comparison of Results with Different Simulation Software" *INROADS Issue -1s2, Volume. 3, No. 1, January-June 2014*, pp.376-380, Online ISSN: 2277-4904.
20. **Sanjeev Yadav**, Ruchika Choudhary and M. M. Sharma, "A Modified Star Triangular Fractal Monopole Antenna for Wideband Applications", *INROADS Special Issue -1, Volume. 3, No. 1, January-June 2014*, pp.258-260. ISSN: 2277-4904.
21. Kiran Wadhvani, Pieush Vyas, **Sanjeev Yadav**, "Design of Multiband Fractal Square Ring Microstrip Antenna" *International Journal of Modern Electronics and Communication Engineering*, ISSN 2321 – 2152 (Online), May, 2013.
22. J. K. Deegwal, Ashok Kumar, **Sanjeev Yadav**, M.C. Govil, M.M. Sharma, "A compact Ultra-Wideband Printed Antenna with T-slot inside SRR for Rejecting WLAN Band", *Suresh Gyan Vihar University Journal of Engineering and Technology* (ISSN: 2277-6915), pp. 1-4, Vol. 1, Issue. 01, January 2013.
23. M.M. Sharma, Ashok Kumar, **Sanjeev Yadav** and Y. Ranga, "An Ultra-wideband Printed Monopole Antenna with Dual Band-Notched Characteristics Using DGS and SRR" *Procedia Technology*, Vol. 6, pp. 778-783.(2012).

## **B. ARTICLES/RESEARCH PAPER IN BOOKS**

1. Sharma, S., Mehra, R., Yadav, S. (2022). Miniaturized Circularly Polarized Broadband Antenna Based on CRLH-TL Metamaterials for 5G Millimeter-Wave Applications. In: Dhawan, A., Tripathi, V.S., Arya, K.V., Naik, K. (eds) *Recent Trends in Electronics and Communication. Lecture Notes in Electrical Engineering, vol 777, pp. 963-971. Springer, Singapore.* [https://doi.org/10.1007/978-981-16-2761-3\\_83](https://doi.org/10.1007/978-981-16-2761-3_83) ISBN: 978-981-16-2761-3, Series E-ISSN :1876-1119
2. Singh, K., **Yadav, S.**, Deegwal, J. and Sharma, M. (2022). Analysis of RF-DC Rectifier Input Impedance for the Appropriate Design of Matching Network for Wireless RF Energy Harvesters. In *Wearable and Neuronic Antennas for Medical and Wireless Applications* (eds A. Kumar, M. Gupta, M.A. Albreem, D.-B. Ha and M.K. Sharma). <https://doi.org/10.1002/9781119792581.ch5> Print ISBN:9781119791805 |Online ISBN:9781119792581
3. Jaiverdhan, Yadav D., **Yadav S.**, Sharma M.M., Yadav R.P. (2020) A Triple Band-Reject Frequency Selective Surface with Dodecagon Patch Element. In: Janyani V., Singh G., Tiwari M., Ismail T. (eds) *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering, vol 648. Springer, Singapore.* [https://doi.org/10.1007/978-981-15-2926-9\\_58](https://doi.org/10.1007/978-981-15-2926-9_58) Print ISBN: 978-981-15-2925-2, Online ISBN: 978-981-15-2926-9
4. Singh D., Mishra B.K., **Yadav S.** (2020) An UWB Antenna with Dual Notched Band Characteristics at WLAN Band and X-Band Application. In: Janyani V., Singh G., Tiwari M., Ismail T. (eds) *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering, vol 648. Springer, Singapore.* [https://doi.org/10.1007/978-981-15-2926-9\\_68](https://doi.org/10.1007/978-981-15-2926-9_68) Print ISBN: 978-981-15-2925-2, Online ISBN: 978-981-15-2926-9
5. Noor D., Yadav S.K., **Yadav S.** (2018) Highly Selective, Closely Spaced Triple-Band Frequency Selective Surface for the Intensification in the Performance of WiMax and WLAN 2.5/3.5/5.5 GHz. In: Janyani V., Tiwari M., Singh G., Minzioni P. (eds) *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering, vol 472. Springer, Singapore.* eBook ISBN: 978-981-10-7395-3
6. **Yadav S.**, Meena S., Kumawat B.P. (2018) Design of a Spiral-Shaped Slotted Multiband Antenna. In *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering, vol 472. Springer, Singapore.* [https://doi.org/10.1007/978-981-10-7395-3\\_50](https://doi.org/10.1007/978-981-10-7395-3_50) Print ISBN: 978-981-10-7394-6, Online ISBN: 978-981-10-7395-3
7. Garg S., **Yadav S.** (2018) A Triple Band-Reject Frequency Selective Surface for Broadband Applications. In: Janyani V., Tiwari M., Singh G., Minzioni P. (eds) *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering, vol 472. Springer, Singapore* Print ISBN: 978-981-10-7394-6, Online ISBN: 978-981-10-7395-3
8. Garg M., Chahar R., **Yadav S.** (2018) A Novel Triple Band Pass Frequency Selective Surface for the Proliferation the Performance of WiMax and WLAN 2.5/3.5/5.5 GHz. In: Janyani V., Tiwari M., Singh G., Minzioni P. (eds) *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering, vol 472. Springer, Singapore.* Print ISBN: 978-981-10-7394-6, Online ISBN: 978-981-10-7395-3
9. Preeti Jain, Bhupendra Singh, **Sanjeev Yadav**, Ashu Verma, " A Semi Circular Monopole Antenna for Ultra Wide Band Applications", *International Conference on ICT for Sustainable Development (ICT4SD-2015)*, July 03-04, 2015, Ahmedabad
10. Ashu Verma, Bhupendra Singh, **Sanjeev Yadav**, Preeti Jain, "A Novel Compact Monopole Multiband Antenna for WiMAX/Satellite/Military Applications", *International Conference on ICT for Sustainable Development (ICT4SD-2015)*, July 03-04, 2015, Ahmedabad
11. Rachana Yadav, Sandeep Yadav, **Sanjeev Yadav**, " SRR and R-CSRR Loaded Reconfigurable Antenna with Multiband Notch Characteristics" *International Conference on ICT for Sustainable Development (ICT4SD-2015)*, July 03-04, 2015, Ahmedabad

12. Kiran Aseri, **Sanjeev Yadav**, "A Novel Hexagonal Shaped Based Band Stop Frequency Selective Surface With Multi-Band Applications" *International Conference on ICT for Sustainable Development (ICT4SD-2015)*, July 03-04, 2015, Ahmedabad
13. Shalini Porwal, Ajay Dadhich, **Sanjeev Yadav**, H S Mewara, M M Sharma, " Dual Band Rectangular Shape Antenna With Sideway Extension at Top and Bottom for WLAN and WiMax Application " *International Conference on ICT for Sustainable Development (ICT4SD-2015)*, July 03-04, 2015, Ahmedabad.
14. Vandana Jain, **Sanjeev Yadav**, Bhavana Peswani, Manish Jain, H.S. Mewara, M.M. Sharma, "Design of Square Shaped Polarization Sensitive Metamaterial Absorber", *International Conference on ICT for Intelligent Systems 28–29 November, 2015, Ahmedabad, INDIA.*
15. Vandana Jain, **Sanjeev Yadav**, Bhavana Peswani, Manish Jain, Ajay Dadhich, "Dual Band/Wide Band Polarization Insensitive Modified Four - Legged Element Frequency Selective Surface for 2.4GHz Bluetooth, 2.4/5.8GHz WLAN Applications", *International Conference on ICT for Intelligent Systems 28 – 29 November, 2015, Ahmedabad, INDIA.*
16. Minakshi Sharma, Hari Shankar Mewara, Mahendra Mohan Sharma, **Sanjeev Yadav**, Ajay Dadhich, "UWB Microstrip Antenna with Inverted Pie Shaped Slot", *International Conference on ICT for Intelligent Systems 28 – 29 November, 2015, Ahmedabad, INDIA.*

### **C. CONFERENCE PROCEEDINGS**

#### **IEEE CONFERENCES**

1. S. S. R. Rachamalla, J. Garg, S. Shrimal, I. B. Sharma, M. M. Sharma and **S. Yadav**, "A Compact Design and Analysis of Ultra-Wide Band Frequency Selective Surface With Three Closely Spaced Bands," *2022 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)*, Bangalore, India, 2022, pp. 984-988, doi: 10.1109/MAPCON56011.2022.10046863.
2. **S. Yadav**, R. K. Singh, M. P. Abegaonkar and M. M. Sharma, "A Miniaturized Frequency Selective Resorber Based on Meanderline and Square Slot Structure," *2022 IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)*, Bangalore, India, 2022, pp. 1474-1477, doi: 10.1109/MAPCON56011.2022.10047265.
3. J. Garg, M. M. Sharma, **S. Yadav** and Richa, "Dual Band Pass Frequency Selective Surface with H- Shaped Loop and Square Ring Slot Loaded Patch for C- Band Applications," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 890-892. doi: 10.1109/InCAP52216.2021.9726498
4. Richa, M. M. Sharma, C. G. Jha, **S. Yadav**, J. Garg and I. Sharma, "Design and Performance Evaluation of Wilkinson Power Divider," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 31-33. doi: 10.1109/InCAP52216.2021.9726188
5. S. Garg, R. Kumar Singh, R. Paliwal and **S. Yadav**, "Dual-Band FSS based Microwave Absorber for WiMAX & WLAN Band Applications," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 879-882. doi: 10.1109/InCAP52216.2021.9726415
6. B. P. Kumawat, **S. Yadav**, M. M. Sharma and J. Garg, "Triple Band Circular Ring Patch Antenna with Partial Ground Structure," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 798-800. doi: 10.1109/InCAP52216.2021.9726445

7. V. Sharma, T. Jhajharia, M. Gupta, **S. Yadav**, N. Kumar Mishra and D. Pal, "Dual Band Circularly Polarized Probe Feed Asymmetric Patch Antenna With Wide Axial Ratio Bandwidth," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 794-797. doi: 10.1109/InCAP52216.2021.9726412
8. J. Garg, M. M. Sharma and **S. Yadav**, "Design of a Compact Band Pass Frequency Selective Surface for WLAN Applications Based on Meander Line Topology," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 893-896. doi: 10.1109/InCAP52216.2021.9726420
9. B. P. Kumawat, **S. Yadav**, M. M. Sharma and J. Garg, "THz Based Multiband and Wide Single Band Metallic Patch Antenna Using Defected Ground Structure," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 933-937. doi: 10.1109/InCAP52216.2021.9726432
10. R. Paliwal, R. Budhiraja, S. Srivastava and **S. Yadav**, "Design of Compact Double Pass Band SIW Filter Using Coupled Slot for Ku Band Application," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Jaipur, Rajasthan, India, India, 2021*, pp. 855-858. doi: 10.1109/InCAP52216.2021.9726298
11. G. Mathur, **S. Yadav**, A. K. Jain and T. Mishra, "Monitoring and Detection of Blood Flow based on Internet of Things," *2020 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE), 2020*, pp. 1-3, doi: 10.1109/ICRAIE51050.2020.9358280.
12. B. Kumawat, **S. Yadav**, M. M. Sharma, J. K. Deegwal and A. Dadhich, "Tri-Band Rectangular Patch Antenna with C Slot," *2019 IEEE Indian Conference on Antennas and Propagation (InCAP), Ahmedabad, India, 2019*, pp. 1-3, doi: 10.1109/InCAP47789.2019.9134584.
13. A. Dadhich, J. K. Deegwal, M. M. Sharma and **S. Yadav**, "CPW Fed Monopole Microstrip Antenna for Multiband Wireless Applications," *2019 IEEE Indian Conference on Antennas and Propagation (InCAP), Ahmedabad, India, 2019*, pp. 1-4, doi: 10.1109/InCAP47789.2019.9134677.
14. **S. Yadav**, M. M. Sharma, M. P. Abegaonkar and S. Garg, "Polarization Independent Ultrathin Dual-Band Metamaterial Absorber for X-Band Applications," *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2019*, pp. 395-398, doi: 10.1109/SPIN.2019.8711787.
15. **S. Yadav**, R. K. Singh, M. P. Abegaonkar and M. M. Sharma, "Stub Loaded Reconfigurable Microstrip Patch Antenna with Frequency Agility," *2018 IEEE Indian Conference on Antennas and Propagation (InCAP), Hyderabad, India, 2018*, pp. 1-4, doi: 10.1109/InCAP.2018.8770764.
16. Minakshi, A. Sharma, **S. Yadav** and R. Paliwal, "A novel reconfigurable microstrip patch antenna for triple band wireless applications," *2017 IEEE Applied Electromagnetics Conference (AEMC), Aurangabad, 2017*, pp. 1-2, doi: 10.1109/AEMC.2017.8325695.
17. N. Choudhary, A. Sharma and **S. Yadav**, "A novel band stop frequency selective surface for the security of quad band mobile applications," *2017 IEEE Applied Electromagnetics Conference (AEMC), Aurangabad, 2017*, pp. 1-2, doi: 10.1109/AEMC.2017.8325687.
18. **S. Yadav**, M. P. Abegaonkar, M. M. Sharma and C. P. Jain, "A quad-band polarization independent metamaterial absorber," *2017 IEEE Applied Electromagnetics Conference (AEMC), Aurangabad, 2017*, pp. 1-2, doi: 10.1109/AEMC.2017.8325684.
19. A. Dadhich, J. K. Deegwal, **S. Yadav** and M. M. Sharma, "Design of multi-band antenna with cut slots and parasitic patch for wireless communication," *2017 IEEE Applied Electromagnetics Conference (AEMC), Aurangabad, 2017*, pp. 1-2, doi: 10.1109/AEMC.2017.8325631.

20. D. Noor, S. K. Yadav and **S. Yadav**, "An ultra large polarisation independent bandstop frequency selective surface for the security of WiMax and WLAN application," *2017 International Conference on Information, Communication, Instrumentation and Control (ICICIC)*, Indore, 2017, pp. 1-5, doi: 10.1109/ICOMICON.2017.8279107.
21. B. P. Kumawat, S. Meena and **S. Yadav**, "Square shape slotted multiband microstrip patch antenna using defect ground structure," *2017 International Conference on Information, Communication, Instrumentation and Control (ICICIC)*, Indore, 2017, pp. 1-4, doi: 10.1109/ICOMICON.2017.8279099.
22. S. Garg, **S. Yadav**, K. Aseri, M. Garg and D. Noor, "A novel reflective frequency selective surface for triple frequency applications," *2017 International Conference on Computing, Communication and Automation (ICCCA)*, Greater Noida, 2017, pp. 1522-1525, doi: 10.1109/CCAA.2017.8230043.
23. D. Noor, S. K. Yadav, **S. Yadav**, M. Garg and S. Garg, "A triple BandStop frequency selective surface for escalation in the security of WiMax and WLAN application," *2017 International Conference on Computing, Communication and Automation (ICCCA)*, Greater Noida, 2017, pp. 524-528, doi: 10.1109/CCAA.2017.8229857.
24. M. Garg, R. Chahar, **S. Yadav**, S. Garg and D. Noor, "A novel polarization independent triple bandstop frequency selective surface for the mobile and wireless communication," *2017 International Conference on Computing, Communication and Automation (ICCCA)*, Greater Noida, 2017, pp. 1518-1521, doi: 10.1109/CCAA.2017.8230042.
25. N. Singh, **S. Yadav** and R. Chahar, "Design and analysis of ultrathin polarization-insensitive metamaterial absorber for stealth technology applications," *2017 4th International Conference on Signal Processing and Integrated Networks (SPIN)*, Noida, 2017, pp. 193-195, doi: 10.1109/SPIN.2017.8049942.
26. **S. Yadav**, P. Sharma and S. Meena, "A frequency selective surface for 2.25 GHz, WiMax and WLAN applications," *2017 4th International Conference on Signal Processing and Integrated Networks (SPIN)*, Noida, 2017, pp. 228-230, doi: 10.1109/SPIN.2017.8049949.
27. **S. Yadav**, M. M. Sharma, D. Jhanwar and M. Garg, "A polarization independent triple band reject frequency selective surface for the mobile communication," *2017 International Conference on Computer, Communications and Electronics (Comptelix)*, Jaipur, 2017, pp. 601-605, doi: 10.1109/COMPTELIX.2017.8004040.
28. M. Garg, R. Chahar and **S. Yadav**, "A novel compact polarization independent triple band reject frequency selective surface for the security of wireless communication," *2017 International Conference on Computer, Communications and Electronics (Comptelix)*, Jaipur, 2017, pp. 206-210, doi: 10.1109/COMPTELIX.2017.8003965.
29. S. Garg and **S. Yadav**, "A novel polarization independent transmissive type frequency selective surface for WiFi, WiMax & WLAN applications," *2017 International Conference on Computer, Communications and Electronics (Comptelix)*, Jaipur, 2017, pp. 216-220, doi: 10.1109/COMPTELIX.2017.8003967.
30. D. Noor, S. K. Yadav and **S. Yadav**, "A triple Bandpass Frequency selective surface for enhancement in the transmission of WiMax and WLAN application," *2017 International Conference on Computer, Communications and Electronics (Comptelix)*, Jaipur, 2017, pp. 211-215, doi: 10.1109/COMPTELIX.2017.8003966.
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32. M.M. Sharma, **Sanjeev Yadav**, R.P. Yadav, Y. Ranga and Deepak Bhatnagar, "Ultra-Wideband Antenna with Elliptical Patch Having U-Slot with Band-Notch Characteristics", *2010 IEEE AP-S International Symposium on Antennas and Propagation and 2010 USNC/CNC/URSI Meeting in Toronto, Canada*, on July 11<sup>th</sup> -17<sup>th</sup>, 2010.
33. M. M. Sharma, **Sanjeev Yadav**, A. Kumar, D. Bhatnagar and R. P. Yadav "Design of Broadband Multi-Layered Circular Microstrip Antenna for Modern Communication Systems", *2010 Asia Pacific Microwave Conference, Pacifico Yokohama, Yokohama, Japan*, pp. 742 – 745, December 7<sup>th</sup> -10<sup>th</sup> , 2010.



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51. Abhinav Dudhan, Bhupendra Singh, Mohd. Zayed, Haneet Rana, Gagan Tiwari and **Sanjeev Yadav**, "A Compact Monopole Wideband Antenna for Wimax/WLAN/Bluetooth/IEEE 802.111y Services", *2015 Eighth International Conference on Contemporary Computing (IC3)*, pp 314-317, August 20-22, 2015.
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#### AT INTERNATIONAL LEVEL

61. M.M. Sharma, **Sanjeev Yadav**, R.P. Yadav, "Compact Slotted Microstrip Patch Antenna for Wireless Applications", International Conference on Microwaves, Antenna, Propagation and Remote Sensing, pp.70, 19th – 21st December 2009.
62. M.M. Sharma, Sanjeev Yadav, R.P. Yadav, Y. Ranga, "Multi-frequency Slotted Circular Microstrip Antenna for Wireless Applications", International Conference on Microwaves, Antenna, Propagation and Remote Sensing, pp.47-48, 19th – 21st December 2009.
63. Deependra Khandelwal, Garima Mathur, Sanjeev Yadav, "Aperture Coupled Broadband Microstrip Patch Antenna with Slotted Ground", International Conference on VLSI, Communication & Network (VCAN-2011), Alwar.
64. Deependra Khandelwal, Garima Mathur, Sanjeev Yadav, "Dual Band Microstrip Patch Antenna using Modified Ground Plane Techniques", International Conference on VLSI, Communication & Network (VCAN-2011), Alwar.
65. J.K. Deegwal, Ashok Kumar, SanjeevYadav, M.M. Sharma and M.C. Govil, "A Dual-Band Printed Circular Patch Antenna with Two Parasitic Stubs for Bluetooth and WLAN Applications" is accepted for presentation at International Conference on Microwaves, Antenna, Propagation and Remote Sensing, 7th – 10th December 2011.
66. Ashok Kumar, J.K. Deegwal, N.C. Bajia, SanjeevYadav, M.M. Sharma and M.C. Govil, "Printed Monopole UWB Antenna with Dual Band-Notched Characteristics" International Conference on Microwaves, Antenna, Propagation and Remote Sensing, 7th – 10th December 2011.
67. SanjeevYadav, UmeshSoni, Ajay Dadhich and M. M. Sharma, "Dual Band Fork Shaped Monopole Antenna: Comparison of Results with different Simulation Software", 1st International Conference on Innovative Advancements in Engineering and Technology, March7-8, 2014, pp.80, Jaipur.
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69. Sanjeev Yadav, KiranAseri, M.M. Sharma, "A novel Bandpass Frequency Selective Surface for the Augmentation in the Performance of Wi-Max 2.5/3.5 GHz" 9th International Conference on ATMS 2016, February 10-03, 2016 at Goa.
70. Vandana Jain, Sanjeev Yadav, "Design and Investigation of Decagon Structure Frequency Selective Surface for Band Stop Applications", International Conference on innovations in engineering and technology (ICIET) Jaipur, 26-27 September 2014.
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76. M.M. Sharma, SanjeevYadav, R.P. Yadav, N.C. Bajia, Y. Ranga, "E-Shaped Patch Antenna with Slot for Wireless Applications" National Symposium on Advances in Microwave Materials, Devices and Applications, pp.30-32, 12th Dec 2009.
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79. Y. Bhomia, N.C. Bajia, Ashok Kajla, Dinesh Yadav, SanjeevYadav, "V-slotted Triangular Microstrip Antenna", National Conference on "Innovative Developments in Electronics Arena", 12th Dec 2009.
80. M.M. Sharma, Sanjeev Yadav, N.C. Bajia, R.P. Yadav " Compact Ultra-Wideband Elliptical Patch with Hexagonal Ground", National conference on Advances in Microwave Communication, Devices and Applications, 16-17th Feb 2010.
81. Sanjeev Yadav, N.C. Bajia, Dinesh Yadav, Y. Bhomia "Slotted Right Angle Triangular Microstrip Patch Antenna" National conference on Advances in Microwave Communication, Devices and Applications, 16-17th Feb 2010.
82. Y. Bhomia, N.C. Bajia, Dinesh Yadav, Sanjeev Yadav, "Truncated Tip Triangular Microstrip Patch Antenna", National Conference on Convergence of Broadcast and Communication Technologies, 6th March 2010.
83. M.M. Sharma, Ashok Kumar, N.C. Bajia and Sanjeev Yadav, "Ultra-wideband Monopole Antenna with Dual Band-Notched Characteristics", Recent Trends in Information & Communication Technology", 16th - 17th September 2011.
84. SanjeevYadav, M.M. Sharma, Ashok Kumar, Y. Ranga, Ishita Sharma, "Modified Ground Microstrip Patch Antenna for C-Band Applications" National Conference on Recent Trends on Microwave Techniques and Applications, "MICROWAVES-2012", Jaipur, July 30th -August 1st, 2012.
85. M.M. Sharma, SanjeevAgrawal, PieushVyas, SanjeevYadav and Ashok Kumar, "Probe-Fed Microstrip Patch Antenna with Photonic Band Gap Structure for Wi-Max Application" National Conference on Recent Trends on Microwave Techniques and Applications, "MICROWAVES-2012", Jaipur, July 30th -August 1st, 2012.

86. Ashok Kumar, SanjeevYadav,Ishita Sharma, M. M. Sharma, Y. Ranga and D. Bhatnagar, “Design of Microstrip-fed L-Shaped Open Slot Antenna for Broadband Applications” National Conference on Recent Trends on Microwave Techniques and Applications, “MICROWAVES-2012”, Jaipur, July 30th -August 1st, 2012.
87. SanjeevYadav, Jisha Varghese, KiranWadhvani, “Design of Microstrip patch Antenna for 5.5 GHz Wi-Max Application”, National Conference on Recent Developments in Wireless and Optical Technologies ,Department of Electronics and Communication, MNIT, Jaipur, October 29th -30th , 2012.
88. J. K. Deegwal, Ashok Kumar, SanjeevYadav, M.M. Sharma, M.C. Govil, “Design and Analysis of Compact Printed 3.5/5.5 GHz Dual Band-Notched Ultra-wideband Antenna”, IEEE IAW 2013, June 03-07, 2013, Aurangabad.
89. Sanjeev Yadav, Deependra Khandelwal, Garima Mathur and M. M. Sharma, “Aperture – Coupled MS Patch Antenna with Ellipse- Shaped Slotted Ground”, Research Scholar and Alumni Symposium, pp.67, March7-8, 2014, VMCC, IIT Bombay.
90. Sanjeev Yadav, Umesh Soni, Ruchika Choudhary and M.M.Sharma, “Slotted Monopole Antenna with Modified Ground Plane for Wireless Applications”, National conference on Recent Advances in Wireless Communication & Artificial Intelligence (RAWCAI), March 14-15, 2014, Page:33.
91. Sanjeev Yadav, Bhavana Peswani, M.M.Sharma, "A Novel Band Pass Double-Layered Frequency Selective Superstrate using Ring Slot and Crossed Dipole-Shaped Structure for Wi-Max Application," IEEE Indian Antenna Week (IAW), Chandigarh, 26-30 May 2014.
92. Kiran Aseri, Sanjeev Yadav, "Inverted L-shaped Stable Frequency Selective Surface Based Band Stop Filter With WLAN Application" IEEE Indian Antenna Week 2015, May 30 - June 3, 2015, Pushkar, Ajmer.
93. Rachana, Sandeep Kumar Yadav, Sanjeev Yadav,"A Reconfigurable Antenna with Wideband and Narrowband Characteristics ", IEEE Indian Antenna Week 2015, May 30 - June 3, 2015, Pushkar, Ajmer.
94. Ruchika Choudhary, Sanjeev Yadav,"A Dual Band Koch Fractal Antenna for L-band and C-band Applications", IEEE Indian Antenna Week 2015, May 30 - June 3, 2015, Pushkar, Ajmer.
95. Bhavana Pesswani, Sanjeev Yadav, Krishna Rathore,"A Novel Band Pass Frequency Selective Filter for C and X Band Applications", IEEE Indian Antenna Week 2015, May 30 - June 3, 2015, Pushkar, Ajmer.
96. Jisha Varghese, Kiran Wadhvani, Neha Goyal, Pieush Vyas, Sanjeev Yadav, “Parametric Optimization of Bowtie Antenna using Artificial Neural Network”, ICATET-2013, 19-20 December, 2013.
97. Kiran Wadhvani, Pieush Vyas, Sanjeev Yadav, “Design of Trapezoidal V-Slot Patch Antenna”, National Conference on “Communication Systems and VLSI Design”, July 24-25, 2013, MNIT, Jaipur
98. Rekha Kumari Bagri and Santosh Meena, Sanjeev Yadav, “Design and Analysis of Rectangular Microstrip Patch Antenna using Metamaterial for Better Efficiency” IEEE Indian Antenna Week (IAW-2015) at Ajmer (pushkar), 30 May-3 June 2015.

**Conference / Workshops/Training Organized:**

- Organized Workshop on “Enterprise Resources Planning” by Dept. of Management Studies and Dept. of Electronics Inst. & Control Engineering AKSH-2012 as Committee Member, 15 September 2012.
- Organized International Workshop on “Radiation Hazards” by Dept. of Electronics & Communication Engineering as a Member of Organizing Committee, 28-29 January, 2013.

- Short Term Course on “TCP/IP Based Computer Networks by Govt. Engineering College, Ajmer as an Organizing Committee Member, 6-10 May, 2013.
- Organized IEEE conference" IEEE International Conference on Signal Propagation and Computer Technology" (ICSPCT), 2014, 12-13 July, 2014
- Organized One Day Workshop on Antenna and Microwave Technology by Govt. Women Engineering College Ajmer on 11 December 2014.
- Organized IEEE Indian Antenna Week 2015, May 30-June 3, 2015 at Ananta Resorts Pushkar.
- Organized One Week workshop on Antenna and Microwave Devices (AMD 2016), April 04-08, 2016 at Govt. Women Engineering College Ajmer
- Organized One Week workshop on Antenna and Microwave Devices: Design Fabrication and Measurement (AMD: DFM- 2016), August 29- September 03, 2016 at Govt. Women Engineering College Ajmer
- Organized One Day workshop on Printed and Dielectric Resonator Antenna (PDRA - 2016) on September 10, 2016 at Govt. Women Engineering College Ajmer.
- Member, Organizing Committee of One Week Short Term Course on “Recent Advances in Communication Technologies” From November 28 – December 3, 2016 under the aegis of Electronics & ICT Academy MNIT Jaipur, sponsored by Deity, Ministry of electronics & IT, Govt. of India.
- Organized One-week workshop on Advance Antenna, frequency Selective Surface & Metamaterials (AAFMM-2017) from March 22-26, 2017 under TEQIP-II at GWEC Ajmer
- Organized Poster Making competition on “Harmful Effects of Mobile Radiation on Human Beings” in the occasion of Engineers Day September 15, 2017 at GWEC Ajmer.
- Organized International Workshop on Modeling and Simulation of Next Generation Optical Networks (NGON-2017) from March 20-22, 2017 under TEQIP-II at GWEC Ajmer
- Organized National Workshop on “Next Generation Optical Networks” [NGON 2019], July 28-29, 2019 under TEQIP-III, at GWEC Ajmer
- Organized FDP/STC on “RF, Microwave and Antennas: Theory and Applications” conducted by Department of Electrical Engineering, IIT Kanpur from September 16-20, 2019.
- Organized One Day Workshop on “Women in Engineering” by IEEE MTTS IIT Delhi Student Branch Chapter in association with IEEE Rajasthan Subsection and Antenna and Propagation Society Chapter-Jaipur on December 23, 2019, at Govt. Women Engineering College Ajmer.
- Organized One Day workshop on Home Automation with Internet of Things (IOT) under TEQIP-III on January 29, 2020 at Govt. Women Engineering College Ajmer
- Organized One Day Industrial Visit to CEERI-PILANI on February 20, 2020.
- Organized National Webinar on “Effects of Use of Mobile phones and Towers on Human Life” May 24-25, 2020, HBTU Kanpur and GWEC Ajmer in association with IEEE APS Chapter-Jaipur.

- Organized a Technical Webinar on “Simulation and Co-simulations of RF modules using CST Studio Suite 2020.05” from June 22-23, 2020, Organized by IEEE Antenna & Propagation Society (APS) Chapter – Jaipur & IEEE Rajasthan Subsection in association with Malaviya National Institute of Technology, Jaipur & Govt. Women Engineering College, Ajmer
- Organized One Week Lecture Series on “Recent Trends on RF & its Applications” during June 26-30, 2020, Organized by IEEE Antenna & Propagation Society (APS) Chapter – Jaipur & IEEE Rajasthan Subsection in association with Malaviya National Institute of Technology, Jaipur & Govt. Women Engineering College, Ajmer
- Organized one Week International Workshop on “Metamaterial and its Applications” during July 27-31, 2020 organized by IEEE Delhi Section Antennas and Propagation Society Chapter Jaipur in association with IEEE Rajasthan Subsection, Malaviya National Institute of Technology, Jaipur and Govt. Women Engineering College Ajmer
- Organized One-week Online workshop on “Artificial Intelligence and Internet of Things” during November 19-23, 2020 organized by Department of Electronics & Communication Engineering, Government Women Engineering College, Ajmer in association with I. K. Gujral Punjab Technical University, Jalandhar sponsored by TEQIP-III
- Organized International Conference on AI & IoT based Applications on Contemporary Computing, Communication and Energy Applications (AIOITA-2021) during 19th-20th March, 2021 organized by Govt. Women Engineering College, Ajmer under TEQIP-III.
- Organized 2021 IEEE AP-S Jaipur School on Microwave, Millimeter Waves and Terahertz Techniques and 2nd International Workshop on Metamaterial and its Applications 2021 organized during July 17-23, 2021 under IEEE Delhi Section Antennas and Propagation Society Chapter-Jaipur
- Organized 15 Days Professional Training on “Pedagogy and Modern Technology Tools” during September 6th-20th, 2021 organized by IEEE Antennas and Propagation Society Chapter – Jaipur in association with IEEE Rajasthan Subsection Government Women Engineering College, Ajmer IEEE Student Branch, GWEC Ajmer
- Organized 2<sup>nd</sup> edition of 15 Days Professional Training on “Pedagogy and Modern Technology Tools” during October 25<sup>th</sup> – November 08<sup>th</sup>, 2023 organized by IEEE Antennas and Propagation Society Chapter – Jaipur.

#### **Professional Training Attended:**

Summer Faculty Research Fellow Programme-2017 at IIT Delhi during May 22, 2017- July 07, 2017

Summer Faculty Research Fellow Programme-2018 at IIT Delhi during May 28, 2018- July 13, 2018

Summer Faculty Research Fellow Programme-2022 at IIT Delhi during June 06, 2022- July 15, 2022

#### **Invited Lectures/Resource Persons/Session Chair:**

- Chaired Session during "IEEE International Conference on Signal Propagation and Computer Technology" (ICSPCT- 2014), July 12-July 13, 2014, Ajmer.
- Chaired Session during "IEEE Indian Antenna Week 2015" (IAW 2015), May 30-June 3, 2015, Ananta Resorts, Pushkar, Ajmer
- Key note speaker in "State Level Faculty Interaction Seminar", June 8-June 9, 2015, H.B.T.I., Kanpur.

- Keynote speaker in 1<sup>st</sup> National Conference on Technology Enabling Modernization of Rural India on October 30-31, 2015 at Suresh Gyan Vihar University, Jaipur.
- Keynote Speaker in National Conference on Emerging Trends, Electrical Electronics and Energy Systems, 19-20th April 2016.
- Chaired Session in 4<sup>th</sup> International Conference on signal Processing and Integrated Networks (SPIN-2017), held on February 02-03, 2017 at Amity University, Noida.
- Chaired a session in 1<sup>st</sup> International Conference on Optical and Wireless Technologies “OWT-2017”, March 18-19, 2017 at MNIT Jaipur.
- Delivered a talk in One-week workshop on Advance Antenna, Frequency Selective Surface & Metamaterials (AAFMM-2017) from March 22-26, 2017 under TEQIP-II at GWEC Ajmer.
- Keynote Speaker in 2<sup>nd</sup> National Conference Technology Enabling Modernization of Rural India TMRI-2017 on April 13-14, 2017 at Suresh Gyan Vihar University, Jaipur.
- Delivered an Expert Lecture in TEQIP Sponsored One Week STC on “Recent Trends in Microwave Engineering” from February 12-16, 2018 at THDC Institute of Hydropower Engineering and Technology, Tehri, Uttarakhand.
- Keynote Speaker in National Conference on “Innovative Ideas in Electrical, Electronics Engineering & Automation” at Bhagwant University, Ajmer on February 20, 2018.
- Keynote Speaker in 1<sup>st</sup> National Conference on Advances in Electronics and Communication Devices (AECD-2018) on March 09-10, 2018 at Suresh Gyan Vihar University, Jaipur
- Delivered an expert lecture on Antennas & Wave Propagation on October 05-06, 2018 at Govt. Engineering College Jahalawar.
- Delivered an Expert Lecture at Pratap Institute of Technology & Science, Sikar, Rajasthan on January 28, 2019
- Chaired a Session in International Conference on Optical and Wireless Technologies “OWT-2019”, March 16-17, 2019 at MNIT Jaipur.
- Delivered invited talk in National Workshop on “Next Generation Optical Networks” [NGON 2019], July 28-29, 2019 under TEQIP-III, at GWEC Ajmer
- Delivered invited talk in National Webinar on “Effects of Use of Mobile phones and Towers on Human Life” May 24-25, 2020, Organized by HBTU Kanpur and GWEC Ajmer.
- Delivered invited talk in One Week Faculty Development Program on 'Information/Cyber Security and Block Chain Technology (Hands-on)’ organized by Sagar Institute of Research Technology & Science, Bhopal on Dated 8th-13th June 2020.
- Delivered invited talk in an International webinar on webinar series on "Evolution of RF Technology-Role of Academia and Industry" from 22nd June-25th June, 2020 organized by Department of Electrical & Electronics Engineering, JSS Academy of Technical Education, Noida.
- Delivered invited talk on “IOT Antennas” in online Faculty Development Programme under AICTE Training & Learning (ATAL) Academy on “Internet of Things-IoT” from 12th October–16th October, 2020 on October 15, 2020.



- Delivered invited talk on “Measurement in Anechoic Chamber” in TEQIP III sponsored workshop on “RF Passive Components Design and Testing” from October 10-14, 2020 on October 14, 2020.
- Delivered invited talk on “Radiation Effect on Human Health” in AICTE-AQIS Sponsored Online Short Term Training Program (STTP) on “Artificial Intelligence and 5G Communication Technology” organized by department of Electronics & Communication, Poornima College of Engineering, Jaipur from October 05 -10, 2020 on October 08, 2020.
- Delivered an expert lecture on “Nano Antennas and Metamaterials” in one week online Faculty Development Programme on “Emerging Trends in Nanoelectronics (ETNE 2020)” held from September 20-24, 2020 at Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur on September 24, 2020.
- Delivered invited talk on “IOT: Antenna System” in STC on "Internet of Things (IOT) for Emerging Engineering Applications" being conducted by Electronics & Communication Engineering department approved by AICTE under AQIS from 21st September to 26<sup>th</sup> September 2020 on September 25, 2020.
- Delivered invited talk on “Antennas for IOT” in AICTE Sponsored online STTP “Internet of Things for Emerging Engineering Applications” at Manav Rachana University, Faridabad on September 10, 2020.
- Delivered invited talk on “Antennas for IOT” in AICTE Sponsored online STTP “Internet of Things for Emerging Engineering Applications” at Manav Rachana University, Faridabad on September 10, 2020.
- Delivered invited talk on “Finite Element Method for Electromagnetics” in Five days workshop on "Computational Electromagnetics and Applications" during 24th to 28th August, 2020 organized by IEEE APS student chapter, RVCE in association with IEEE AP-MTT Chapter, Bangalore Section on August 26, 2020.
- Invited Speaker in 2021 IEEE AP-S Jaipur School on Microwave, Millimeter Waves and Terahertz Techniques and 2nd International Workshop on Metamaterial and its Applications 2021 organized during July 17-23, 2021
- Expert Lecture in 15 days Professional Training on “Pedagogy and Modern Technology Tools” during September 6th-20th, 2021 organized by IEEE Delhi Section Antennas & Propagation Society Chapter – Jaipur in association with IEEE Rajasthan Subsection, Government Women Engineering College, Ajmer and IEEE Student Branch, GWEC Ajmer.
- Expert speaker on “5G/6G related shields,” during GUJCOST sponsored three Days National Level Webinar on “Applications of AI & VLSI in Future Wireless Communication” organized by V. T. Patel Department of Electronics & Communication Engineering, Chandubhai S. Patel Institute of Technology, Faculty of Technology & Engineering, Charotar University of Science & Technology, Changa, Gujarat during August 26-28, 2021.
- Resource Person in the six days Short Term Course on “Microwave Antennas: Design and Measurement" held from 21/03/2022 to 26/03/2022 at “Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur" Organized by Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur in association with IEEE APS Jaipur Chapter.
- Resource Person in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" from 03/01/2022 to 07/01/2022 at Jaipur Engineering College and Research Center, Jaipur
- Delivered an expert lecture during the Faculty Development Program on Electronics & Communication Technologies for Futuristic Applications held from 28 November - 02 December 2022 at Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh, India.

- Session Chair in the IEEE Silchar Subsection Conference (IEEE SILCON-2022), organized at the National Institute of Technology (NIT), Silchar, Assam, India, during 4-6 November 2022.
- Session Chair in the International Conference on "Advancements in Smart Electronics, Materials and Communication Technologies (ICASEMCT-2023)" organized by Department of ECE, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, in Association with CSIR-IMMT: InTEC-MAITRI, Bhubaneswar during February 17-18, 2023,
- Technical Program Committee Member at the 10th International Conference on Signal Processing and Integrated Networks (SPIN 2023) held on 23-24 March, 2023 in Hybrid Mode at Amity University, Noida, India.
- Member Organizing Committee in IEEE International Conference on Advanced Networks and Telecommunications Systems during 17–20 December 2023 at MNIT Jaipur, Rajasthan, India
- Delivered invited Talk in 2<sup>nd</sup> edition of 15 Days Professional Training on “Pedagogy and Modern Technology Tools” during October 25<sup>th</sup> – November 08<sup>th</sup>, 2023 organized by IEEE APS Chapter – Jaipur.

#### **Research Projects (Major Grants/Research Collaboration):**

1. Completed Project Entitled “Designing A Highly Efficient, Multi Band Rectenna for Energy Harvesting in Remote Areas” of **Amount 13.2 Lakhs** sponsored by NPIU as CO PI
2. Completed Project Entitled “Blood Flow Detection and Monitoring using Sensory Data” of **Amount 2.4 Lakhs** sponsored by Rajasthan Technical University as CO PI
3. Awarded Project Entitled “Design and Development of Communication and Transmission Module of Physical Health Monitoring System for Smart Bulletproof Jacket” of **Amount 19.80 Lakhs** sponsored by DRDO as PI

#### **Association with Professional Bodies:**

- Senior Member IEEE (Membership Number 90775566)
- Member IETE (Life Member): AM 227431
- Member IAENG : 331739
- Execom Member IETE for 2020
- Founding Secretary, IEEE Delhi Section Antenna and Propagation Society Chapter-Jaipur 2019 & 2020
- Treasurer, IEEE Rajasthan Subsection for 2019
- Secretary, IEEE Rajasthan Subsection for 2020, 2021& 2023
- Vice Chair IEEE Rajasthan Subsection for 2022

11-12-2023

Dr. Sanjeev Yadav