

Resume

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OFFICIAL ADDRESS

Professor, School of Engineering,
Cochin University of Science & Technology,
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PERMANENT ADDRESS

INAAAYAT, 2nd Cross University Colony
Seaport bylane, Near RADAR Center
CUSAT P.O., Kerala, India. 682022

Educational Qualifications

Degree	Specialization	Year	Class	University /Institute
PhD	Electronics and Electrical Communication Engg.	2009		Indian Institute of Technology, Kharagpur, West Bengal, India.
M.Tech	Electronics	1993	First Class	CUSAT, Kochi, Kerala, India.
B.Tech	Electrical & Electronics	1991	Honors	University of Calicut, Kerala, India.
PDC	Science	1987	First Class	Calicut University, Kerala
SSLC	10 th Standard - School	1985	Distinction	Board of Examinations, Kerala.

Work Experience

Post Held	Duration		University/Institute
	From	To	
Professor	2010 onwards		Department of Electronics and Communications, School of Engineering Cochin University of Science and Technology(CUSAT) , Kochi, Kerala, India
Associate Professor	2007	2010	Cochin University of Science and Technology(CUSAT) , Kochi, Kerala, India
Reader	2004	2007	Cochin University of Science and Technology(CUSAT) , Kochi, Kerala, India
Senior Lecturer	1999	2004	Cochin University of Science and Technology(CUSAT) , Kochi, Kerala, India
Lecturer & Head	1995	1999	Department of Electronics, MES college Marampally, Kerala, India
Lecturer	1993	1995	Anjuman Engineering College Bkatkal, Karnataka, India.

Details of Administrative Experience

Sl. No	Research Experience	Duration	University /Institute
1	Head of Department	Aug. 1993 to Jan. 1999	Department of Electronics, MES college Marampally, Kerala, India
2	Director	Sept. 2014 to Feb 2018	Center for Incubation Technology Transfer & Industrial Collaboration (CITTIC) Cochin University of Science & Technology (CUSAT), Kochi, Kerala, India. 682022
3	Head of Department	March 2017 to March 2019	Department of Electronics and Communications, School of Engineering, Cochin University of Science & Technology (CUSAT), Kochi, Kerala, India. 682022
3	Chairman	Jan 2019 onwards	IEEE APS Kerala Section

Details of Professional Training and Research Experience

Sl. No	Research Experience	Duration	University /Institute
1	Research Scholar	July 2005 to July 2008	Indian Institute of Technology Kharagpur, West Bengal, India. 721302
2	Involved in research activities at the department	From July 2008 onwards	Cochin University of Science & Technology (CUSAT), Kochi, Kerala, India. 682022

Official Positions Currently Holding in the University

1. **Member** : Board of Studies of B.Tech Electronics and Communication Engineering & Electrical and Electronics Engineering, CUSAT
2. **Member** : Faculty of Engineering, CUSAT
3. **Chairman** : IEEE Antenna Propagation Society (APS) Kerala Chapter

Other Responsible Positions Held

1. **HOD** : Department of Electronics and Communications Engineering, SOE, CUSAT from 2017 - 2019
2. **Director: CITTIC** (Centre for Innovation, Technology Transfer and Industrial Collaboration), CUSAT 2014 to 2018.
3. **Assistant Director: CITTIC** (Centre for Innovation, Technology Transfer and Industrial Collaboration) 2012 to 2014
4. **Coordinator: TBI** (Technology Business Incubator), CUSAT.
5. **Vice Chair** : IEEE Antenna Propagation Society Kerala Chapter 20118-2020
6. **Secretary** : IEEE Antenna Propagation Society Kerala Chapter 2015-2017
7. **Coordinator: CUSAT Startup Summit**, October 19-20, 2013, CUSAT.
8. **Member**: Inspection Committee to visit MG College of Egg. Trivandrum, 2014
9. **Coordinator**: Tech-fest (DISHNA-13), 2013, School of Engineering

10. Memembr: Board of Examiner for Phd at University of Kerala
11. Chairman M.Tech Examination in Wireless Technology, CUSAT
12. Convener: Annual Athletic Sports and Games Meet, 2013, School of Engineering
13. Expert Committe Member for purchase committe at Regional Analytical Laboratory, Kakanad
14. Member: Inspection Committee to visit College of Engineering Adoor 2013
15. Chairman: Centralized Valuation Camp 3th Semester (CUSAT), May 2012
16. Member: Inspection Committee to visit TKM IT Kollam 2012
17. Chairman: Centralized Valuation Camp 6th Semester (CUSAT), June 2011
18. Chairman: Centralized Revaluation Camp (CUSAT), February 2010
19. Chairman: Centralized Valuation Camp 3th Semester (CUSAT), June 2010
20. Convener (7 member committee): To prepare a report regarding the conduction of examinations in School of Engineering by participating all HODs.
21. Member of enquiry committee to investigate the student clash
22. H.O.D. Department of Electronics, MES Marampally College, Aluva. 1995-1999

Workshop/Seminar Organized

1. **Coordinator:** STTP on Computational Electromagnetics using HFSS During June 15-19, 2015 for 5 days at School of Engineering, Jointly sponsored by TEQIP Phase II and IEEE Kerala Section APS Chapter.
2. **Coordinator:** Fast Track Young Scientist Engineering Sciences Project Monitoring Meeting cum Workshop at CUSAT on Feb. 23rd, 2013 sponsored by Department of Science & Technology (DST), Govt. of India.
3. **Coordinator:** Fast Track Young Scientist Engineering Sciences Project Monitoring Meeting cum workshop at CUSAT during Sept. 17-18, 2011 sponsored by Department of Science & Technology (DST) DST, Govt. of India.
4. **Coordinator** Short Term Training Program on RF and Microwaves: from Theory to Experiments under TEQIP (phase III) and IEEE APS Kerala Chapter organized by Div of Electronics Engineering, School of Engineering, CUSAT, from 27-11-2017 to 01-12-2017

5. **Coordinator** Workshop on IE3D Simulation Software during June 25-26, 2018 at Division of Electronics Co sponsored by IEEE APS Kerala Chapter.
6. **Organizer** Faculty Development program on Microwave Antennas and Applications, MES College Marampally, Dec. 06-10, 2021

Research Experience and guidance

Number of students doing research under me : 5

No. of Regular students : 1

No. of Part time students : 4

No. of students who Completed PhD under me : 8

Title of thesis whose Phds awarded.

- 1) **Jasmine PM.** "Analysis and Experiments on Coupling Enhancement of Rectangular Wave guide fed Dielectric Resonator Antennas"
- 2) **Raphika PM** "Design and Development of Planar Lowpass Filters with sharp Roll-off and Wide stopband for RF and Wireless Communication Systems"
- 3) **Rekha TK** "Design and Deveopment of Compact Microwave Lowpass Filters with Higher order Harmonics Suppression for Wirelss Communication Systems"
- 4) **Jesna Anver** "Classification Based Single Image Super Resolution Using Kernal Adaptive Filters
- 5) **Anu AR** Design and Development of Dielectric Resonator Antenna using Planar Slots
- 6) **Sam Kollannore U.,** Design and Development of Microstrip-fed Compact Palanar Antennas for Ultra-Wideband Applications

Title of PhD thesis submitted

- 7) **Ami Iqbal** Design and Development of Central Resonator Based Ground Plane Aperture Wideband Bandpass Filters.
- 8) **Nisamol TA** Design and Development of Microstrip Lowpass Filters for RF and Communication Applications.

Sponsored Projects

Sl. No	Title of the project	Duration	Starting date of Project	Fund Sanctioned in Rupees	Sponsoring Authority
1	Design and Development of Compact Planar Lowpass Filters with Sharp Roll-off and high suppression level	3 years	03-03-2018	16,32,400	Kerala State Council for Science Technology and Environment.
2	To set up and run Technology Business Incubation (TBI) center at CUSAT Campus	On time	21-03-2016	99,99,000.	Kerala Government
3	Analysis and Experiments of Waveguide Fed DRAs for Millimeter Wave Applications	3 years	15-02-2012	25,92,000.	SERB, Department of Science & Technology (DST) Govt. of India.
4	Compact Lowpass Filter with sharp roll-off using Funnel Patch Resonator	1 year	27-03-2013	50,000.	TEQIP Fund of SOE, CUSAT.

Seminars Chaired /Invited talk given to various institutes

Sl No.	Name of the Institute	Name of event	Duty Performed in the event	Date of event
	IEEE Malabar Sub Section	Online Talk to IEEE members all Kerala on EMI/EMC	Invited Talk	18th Nov. 2021

1	Musaliar College of Engineering, Trivandrum	IEEE SB and IEEE APS SB Chapter One day Webinar	Invited Talk	4th August 2020
2	Departemnet of Electronics, CUSAT	International Sysposium on Antannas and Propagation (APSYM 2018)	Chairing Session	Dec. 03-05, 2018
3	Indian Institute of Space Science and Technology	Antennas for space appliacations	Cheif Guset	12 th Nov., 2018
4	Viswajyothi Engineering College, South Vazhakulam	9th National Conference VLES'17 (VLSI, Signal Processing and Communications)	Inaugural address	April 27th, 2017
5	MES College Marampally, Aluva	Inauguration Electronics Association	Inaugurator	18 th Jan. 2017
6	IEEE APS Kochi Chapter, Kerala Section	One day workshop on EMI & EMC	Invited Talk	16th July, 2016
7	MES College Marampally, Aluva	UGC sponsored National Conference	Session Chair	11th Aug. 2015
8	Viswajyothi College of Engineering and Technology, Vazhakulam	IETE Technical Talk	Invited Talk	26th February, 2015
9	Department of Electronics, CUSAT	IEEE Antennas & Propagation Society Talk	Invited Talk	30th January 2015
10	Government Engineering College, Vadakara	TEQIP sponsored Faculty Development Programme	Invited Talk	14th January, 2015
11	Govemernt College, Chittor, Palakkad	UGC sponsored National Seminar, SPECTRUM	Invited Talk	29th October, 2014
12	NSS College of Rajakumari	Recent Trends in the Emerging field of Electronics	Invited Talk	12th March, 2014
13	Model Engineering, Thrikkara, Cochin	AICTE sponsored Faculty Development Programme	Invited Talk	31 st May, 2013
14	College of Engineering, Kidangoor, Kottayam	National Conference on NCRIST	Session Chair	April 26-27, 2013

15	Rajagiri School of Engineering & Technology (RSET)	International Conference ICACC-2012	Session Chair	August 9-11, 2012
16	Federal Institute of Science & Technology (FISAT).	International Conference on NCCTE 2012	Session Chair	2012
17	B.P.C. College, Piravam	National Seminar	Invited talk	June 21-22, 2012
18	MES College, Marampally, Aluva.	UGC sponsored National Seminar	Chief Guest	February 15-16, 2012
19	School of Engineering, CUSAT, Kochi	ISTE, Short Term Training Programme	Invited Lecture	October 18-30, 2010
20	Ilahia College of Arts & Science, Muvattupuzha.	Electrofusion -2010, Electrics Association.	Inaugurator	January 14, 2010
21	MES College, Marampally, Aluva.	Department Association Programme	Inaugurator	December 17, 2009
22	Rajagiri School of Engineering & Technology (RSET)	AICTE sponsored Faculty Development Programme	Invited Lecture	Nov. 11-12, 2009
23	W.M.O. College Muttill, Wayanad.	UGC sponsored Regional Seminar	Invited talk	March 29, 2005

Workshop/Short term courses attended

Sl. No	Course attended	duration	University /Institute
1	Switched Mode Power conversion	Aug. 7-11, 2000	IISc, Bangalore.
2	Advanced Sensors- Technology and Industrial Applications	Jan. 15-21, 2001	IIT, Kharagpur
3	Carrier Guidance and Employment Opportunities	Feb.27-28, 2001	CUSAT
4	Applications of DSP in Wireless & Image Processing	Dec. 11- 21, 2001	IIT, Madras
5	VLSI Design & Implementation methodologies	Mar. 15-16, 2001	Dept. of Electronics CUSAT
6	VLSI Design	Nov. 13 to Dec. 3, 2002	JNTU Hyderabad

7	Fibre Optics and its Application	Feb.27-28, 2202	ISP, CUSAT
8	Advances in Signal Compression Technology	Jan 6-17, 2003	NIT Calicut
9	Emerging Technologies in Energy Management, Recent Advances in Non conventional Energy Systems	Mar. 15-27, 2004	Div. of Electrical SOE, CUSAT.
10	Electromagnetic Modeling of Composite Metallic and Dielectric	Oct. 17-21, 2005	IIT, Kharagpur
11	Computational Electromagnetism and Calculation of RCS	Aug 8-10, 2006	C-DAC Bangalore
12	Electromagnetic Interference, Electromagnetic Compatibility & EMP	Jun. 26-July 07, 2006	IIT Kharagpur
13	Microwave and EMI Measurement	Jul. 09-20, 2007	IIT Kharagpur
14	An introduction to RF Techniques for Modern Communication Systems	Jul. 01-06, 2008	IIT Kharagpur
15	Recent Advances in RF Techniques for Wireless Communication	Jul. 07- 12, 2008	IIT Kharagpur
16	RF and Microwave Measurement Fundamentals for Modern Electronic	Jun. 09-22, 2008	IIT Kharagpur.
17	Modelling and Optimization Techniques in Engineering	Oct. 18-30, 2010	SOE, CUSAT
18	System level Modeling, Design and Analysis: A practical Approach	June 6-17, 2011	SOE, CUSAT
19	Emerging Trends in Embedded systems and Applications	Feb. 18-22, 2013	SOE, CUSAT
20	Entrepreneurship and New Ventures	June 24-28, 2013	IIM Kozhikode
21	Computational Electromagnetic Using HFSS	June 15-19, 2015	SOE, CUSAT
22	RF and Microwaves: from Theory to Experiments	27-11-2017 to 01-12-2017	SOE , CUSAT
23	Modern Antennas for Wireless Systems	Oct. 06-10, 2018	IIT, Kharagpur

Ph.D. Thesis: “Analysis and Design of Waveguide Slot coupled Dielectric Resonator Antennas”

Guide: Prof. Ajay Chakrabarty
Department of Electronics and Electrical Communication Engg.,
Indian Institute of Technology
Kharagpur – 721 302, INDIA

Institute : Department of Electronics and Electrical Communication Engg.,
Indian Institute of Technology (IIT KGP)
West Bengal, Kharagpur – 721 302, INDIA

Publications

Total number of research papers	: 90
International journals	: 29
International conferences	: 49
National conferences	: 12

International Journals

1. Varghese Sheeba, Parambil Abdulla, Baby A. Mary, Puthenveetil M. Jasmine, and Kunnath K. Ansha, "Dual-Band Waveguide Fed Hollow Cylindrical Dielectric Resonator Antenna" Progress In Electromagnetics Research C, Vol. 117, 145–157, 2021.
2. T.A. Nisamol, P. Abdulla, T.K. Rekha, " Integrated lowpass and C spectrum band pass filter using miniaturized stub based model ", Int. J. Electron. Commun. (AEÜ) 145 (2022) 154080
3. Ami Iqbal, Abdulla P " Staired-Slitted Flag Central Resonator Based Wide Band Bandpass Filter" , Progress in Electromagnetics Research C . 2021, Vol. 117, p17-30. 14p.
4. Sheeba Varghese, P. Abdulla, Ann Mary Baby, and Jasmine P.M."High Gain Dual-Band Waveguide Fed Dielectric Resonator Antenna" IEEE AWPL 2021
5. K K Ansha, P Abdulla, P M Jasmine, U Sam Kollannore "Circularly Polarized Split Ring Slotted Waveguide Array Antenna for 6 G Communications" Optik Available online 7 September 2021, 167920
6. K K Ansha, P Abdulla, P M Jasmine, U Sam Kollannore, "Design of broadband circularly polarized THz antenna with stable radiation pattern for 6G communications", Optik Volume 243, October 2021, 16739
7. Anu A. R., Abdulla. P, Jasmine. P. M., Rekha T. K "Circularly Polarized Single Feed Hemispherical Dielectric Resonator Antenna for Wi-Max Applications", PIER, Vol. 92, pp. 21-30, Jan. 2020

8. Nisamol T. A, Abdulla. P, Raphika P. M, "Dual Split Resonator Filter with Ultra Wide Stopband and Sharp Roll-off Rate ", IET Microw. Antennas Propag., 2020, Vol. 14, Iss. 12, pp. 1462-1468, June 2020
9. Ami Iqbal, Abdulla P., " Bandpass Filter Based on Asymmetric Funnel Shaped Resonators with Ultra Wide Upper Stopband Characteristics", AEU - International Journal of Electronics and Communications, March, 2020
10. Nisamol T.A, Abdulla.P, K.K. Ansha, "Design of all Metal Slotted Waveguide Antenna (SLWA) for Broadside Circularly Polarized Sub-THz Applications" Progress In Electromagnetics Research C, Vol. 102, 187–202, 2020
11. Nisamol T.A, K.K. Ansha, Abdulla.P, "Design of Sub-THz Beam scanning Antenna using Luneburg lens for 5G Communications or beyond", Progress In Electromagnetics Research C, Vol. 99, 179–191, 2020
12. Sam Kollannore U. and Abdulla P. , "Truncated Circular Microstrip Ultra Wideband Antenna Exhibiting Wideband Circular Polarization", Progress In Electromagnetics Research Vol. 99, 111–122, 2020,
13. T. K. Rekha, **P. Abdulla**, P. M. Jasmine, R. Anu, "Harmonics suppression using defected structures", AEU - International Journal of Electronics and Communications, Volume 115, February 2020
14. A. R. Anu, P. Abdulla, P. M. Jasmine, T. K. Rekha, " A Varactor –Tuned Aperture Coupled Dual Band Cylindrical Dielectric Resonator Antenna for C-Band Applications" Progress In Electromagnetics Research C, Vol. 94, 261–272, 2019.
15. Jesna Anver , **Abdulla P**, "Single Image Super Resolution Using Online Kernel Adaptive Filters" IET Image Processing, Volume: 13 , **Issue: 11**, pp. 1846 - 1852 , 9, 2019
16. T. K. Rekha, **P. Abdulla**, P. M. Jasmine, and P. M. Raphika, "Improved frequency response of microstrip lowpass filter using defected ground structures", Progress in Electromagnetics Research C, vol. 81, January 2018, pp 31-40.
17. T. K. Rekha, **P. Abdulla**, P. M. Raphika, P. M. Jasmine, Compact Microstrip Lowpass Filter with ultra-Wide Stopband using Patch Resonators and open Stubs, Progress In Electromagnetics Research (PIER) C, Vol. 72, 15–28, 2017.
18. Jesna Anver , **Abdulla P**, " Single image super resolution using fixed budget

kernel recursive least square", Online International Interdisciplinary Research Journal, ISSN 2249 - 9598, vol. 07, May 2017, pp - 367-370.

19. Jesna Anvar, **Abdulla P.**"Single Image Super Resolution Using Kernel Recursive Least Squares", *Signal Image and Video Processing*, Springer Publications,, Volume 10, issue 8, pp 1551–1558, November 2016.
20. Anu AR, **Abdulla P.**, Jasmine P.M, Raphika P.M, "Semicircular Aperture Coupled Hemispherical Dielectric Resonator Antenna", *International Journal of Advances in Microwave Technology* Vol.1, No.2, pp. 053-057, August 2016
21. Jasmine PM, **Abdulla P**, Raphika PM, Anu AR, Rekha TK, Ami Iqubal "Coupling Enhancement of Rectangular Waveguide fed Hemispherical DRA", *International Journal of Scientific Progress and Research*, Vol. 25, No. 02, pp. 78-80, 2016.
22. P.M. Jasmine, **Abdulla P.**, P.M. Raphika "Ananalysis and Experiments of Stair-Shaped Waveguide fed Dielectric Resonator Antenna" *IET Microwaves Antennas and Propagation*, Volume 10, Issue 4, p. 453 –458, 2016.
23. Raphika P.M, **Abdulla P.**, Jasmine P.M, "compact wide stopband lowpass filter with high suppression using corrugated transmission line," *IOP Conference Series Material Science and Engineering*, Volume 120, 2016, pp. 01-04.
24. Raphika P.M, **Abdulla P.**, Jasmine P.M" Planar Elliptic Function Lowpass Filter with Sharp Roll-off and Wide Stopband" *Microwave and Optical Technology Letters*. Vol. 58, No. 1, pp. 133-136 January, 2016.
25. P.M. Jasmine, **Abdulla P.**, P.M. Raphika "Rectangular Waveguide fed DRA Using Tapered Waveguide Section" *Microwave and Optical Technology Letters*. Vol. 57, No. 9, pp. 2025-2028, September 2015.
26. Raphika P.M, **Abdulla P.**, Jasmine P.M, "Compact Lowpass Filter with sharp roll-off using Funnel Patch Resonator" *Microwave and Optical Technology Letters*. Vol. 56, No. 11, 2534-, pp. 2534-2536, Nov. 2014.
27. **Abdulla P**, A. B. Kakade, Y. K .Singh and A. Chakrabarty, "Analysis of Dielectric Resonator Antenna Excited by a Slot at the Waveguide Shorted End," *Microwave and Optical Technology Letters*. Vol. 50, No. 5, pp. 1356-1359, May 2008.
28. **Abdulla P** and A Chakarabarty, "Rectangular Waveguide-fed Hemispherical Dielectric Resonator Antenna", *Progress InElectromagnetics Research*, PIER 83, pp. 225-244, 2008.

29. **Abdulla P.**, Y.K. Singh and A. Chakraborty, "Coupling Enhancement of Waveguide-fed Rectangular Dielectric Resonator Antenna" *Microwave and Optical Technology Letters*. Vol. 53, No. 4, pp. 769-770, April 2011.

National/International conferences

1. Ansha K.K., Abdulla P., Sam Kollannore, Jasmin P.M, " Split Ring Circular Slot Arrays on WR3 Waveguide for Sub-THz Applications" IMARC 2021
2. Ansha K.K., Abdulla P., Sam Kollannore, Jasmin P.M., Rekha T.K., "Triangular Ring With Dumbbell Slots on SIW for Sub-THz Applications " InCAP 2021, Dec. Jaipur.
3. Ansha K K, Abdulla P, Sheeba Varghese and Jasmine P M, "Broadband Circularly polarized L shaped Slot antenna For THz applications", APSYM, Dec. 2020Kochi
4. Anu A R, Abdulla P, Jasmine P M and Rekha T K, "Frequency Reconfigurable Hemispherical Dielectric Resonator Antenna Using Dual Split Ring", APSYM, Dec. 2020, Kochi
5. T A Nisamol, P Abdulla, T K Rekha, P M Raphika and P M Jasmine, "35 GHz Prolonged Stopband Lowpass Filter using Multi-Resonator Structure, APSYM, Dec. 2020,Kochi
6. Sheeba Bay, Abdulla P. " Dual Band Waveguide Fed Cylindrical Dielectric Resonator Antenna" APSYM, Dec, 2020,Kochi
7. TA Nisamol, P Abdulla, KK Ansha, " Wideband Sub-THz Substrate lens Yagi-Uda antenna for 5G Communications and beyond", IEEE-HYDCON, 9-12,Sept. 2020, 1-4, Hyderabad
8. KK Ansha, P Abdulla, TA Nisamol, AR Anu, "Sub-THz SIW Circular Ring Slot Antenna with Wide Bandwidth and High Gain", IEEE-HYDCON 9-12,Sept. 2020, 1-4, Hyderabad
9. Nisa Mol, C.K. Aanadan, Raphika P.M., Jasmine P.M., "Modified Open loop resonator (OLR) structure for low pass filter stopband augmentation", IEEE Texas Symposium on Wireless and Microwave Circuits and Systems, USA.,May 2020.

10. Raphika P M ,Abdulla P, Jasmine P M, Rekha T K”, Ami Iqubal “Design of Planar Low Pass Filter with Razor-sharp Roll-off”, IEEE MENACOMM'19, 19-21, Nov. 2019, Manama, Bahrain.
11. Ami Iqubal, Abdulla P., Anu A. R., Sam Kollannore U, “A Compact Wideband Bandpass Filter Based On Folded High – Low Impedance Resonator”, TENCON 2019, Kochi
12. Anu A R, Abdulla P, Jasmine PM “Circularly Polarised Single Feed Hemispherical Dielectric Resonator Antenna for WiMax Applications. TENCON 2019, Kochi
13. Nisamol, Abdulla P, Hamskuty V, “Highly Selective Planar Microstrip Lowpass Filter using Interdigital Hairpin Resonator” King Saud University, KSA May, 2019.
14. Nisamol T.A, Abdulla.P, Raphika P.M, and Jasmine P.M“Highly Compact Microstrip Lowpass Filter with Wide Suppression Level Using Diamond and Flag Resonators” EUCAP, Poland March, 2019.
15. Nisamol T.A, Abdulla.P, Raphika P.M, and Jasmine P.M, “Compact Microstrip Lowpass Filter with Ultra-wide stopband using newly Modified 'T' Resonators”, IIWE 2018, Dec. 06-08, 2018
16. Jyothishree Pillai, Abdulla P, and Rekha T K “Compact Microstrip Lowpass Filter with Ultra-wide Stopband Bandwidth,”*Proc. of International Symposium on Antennas & Propagation APSYM* 2018, Dec. 03-05.
17. Nisamol T A, Abdulla P, Rekha T K, Aanandan C K, Raphika P M and Jasmine Muhammed,"Highly Compact Microstrip S-Band Hairpin Resonator Lowpass Filter with Ultra wide Stopband,"*Proc. of International Symposium on Antennas & Propagation APSYM* 2018, Dec. 03-05.
18. Ami iqubal, Abdulla P, Anu A R, Rekha T K, U. Sam Kollannore, Jasmine P M and Raphika P M “A Novel Hextuple-Mode Wideband Bandpass Filter with Sharp Roll-Off and Ultra-Wide Upper Stopband,”*Proc. of International Symposium on Antennas & Propagation APSYM* 2018, Dec. 03-05.
19. Anu A R, Abdulla P, Jasmine P M, Rekha T K, Ami Iqubal and Sam Kollannore U,"Frequency tuning of Cylindrical Dielectric Resonator Antenna Using Varactor

Diode," *Proc. of International Symposium on Antennas & Propagation APSYM* 2018, Dec. 03-05.

20. Sam Kollannore U, Abdulla P, Sheeba Varghese, Anu A R, Rekha T K and Ami Iqbal,"Simple and Compact Single Feed Circularly Polarized Microstrip Antenna for Ultra Wideband Applications," *Proc. of International Symposium on Antennas & Propagation APSYM* 2018, Dec. 03-05.
21. T K Rekha, P Abdulla and T A Nisamol "Compact microstrip lowpass filter with ultra-wide stopband", *Proceedings of Asia Pacific Microwave Conference (APMC)*, Kyoto, Japan, Nov. 6-9, 2018.
22. T K Rekha, P Abdulla and T A Nisamol "Compact microstrip lowpass filter with high harmonic suppression" *Proceedings of IEEE MTT-S International Microwave & RF Conference (IMaRC)*, Kolkata , Nov. 28-30, 2018.
23. Rekha T K, Abdulla P, Anu A R, Ami iqbal, U. Sam Kollannore and T. A. Nisamol"Compact Multilayer Microstrip Lowpass Filter with Ultra wide Stopband for L-Band Applications,"*Proc. of International Symposium on Antennas & Propagation APSYM* 2018, Dec. 03-05.
24. Rekha T K, Abdulla P, Anu A R, Jasmine P M, Raphika P M, "High selectivity and ultra wide stop band microstrip low pass filter using high- low impedance resonators", *IEEE International Conference on Information, Communication, Instrumentation and Control (ICICIC)*, August 2017, pp-1-5
25. Jasmine P M, Abdulla P, Raphika P M, Rekha T K, "Double step junction for coupling enhancement of rectangular wave guide fed cylindrical DRA", *Eighth International Joint Conference on Advances in Engineering and Technology (AET)*, 2017, pp 133-140.
26. Raphika P M ,Abdulla P, Jasmine P M, Rekha T K, "Wide stop band low pass filter with sharp roll off using multiple resonators", *Eighth International Joint Conference on Advances in Engineering and Technology (AET)*, 2017, pp 147-154
27. Ami iqbal, Abdulla P, "Planar band pass filters employing funnel shaped resonators for wide band applications", *30th Kerala Science Congress*, 28 - 30 January 2018, Govt. Brennen College, Thalassery

28. T.K.Rekha, **P. Abdulla**, A.R Anu, Ami iqbal, Compact Microstrip Lowpass Filter with Sharp Roll-off Using Folded stepped Impedance Resonator, International Symposium on Antennas & Propagation, Kochi December, 2016
29. Raphika P.M., **Abdulla P.**, Jasmine P.M, Compact Lowpass Filter with Extended Stopband Bandwidth, International Symposium on Antennas & Propagation, Kochi December, 2016
30. Ami Oqubal, Abdulla P., Rekha T.K, Anu A. R., Jasmine P.M., Raphika P.M., Novel Bandpass Filter using Mode Chanfered square Patch Resonator with Diamond shaped Slot, International Symposium on Antennas & Propagation, Kochi December, 2016.
31. Anu A.R., Abdulla P., Rekha T.K., Ami Iqubal, Rectangular and Semicircular Shaped Aperture Coupled Hemispherical Dielectric Resonator Antenna, International Symposium on Antennas & Propagation, Kochi December, 2016.
32. P.M. Jasmine, **P.Abdulla**, P.M. Raphika, Double step junction coupled waveguide fed dielectric resonator, *International Conference on Advances in computing and Communications*, September 2015 Rajagiri School of Engineering & Technology, Kochi.
33. Raphika P.M., **Abdulla P.**, Jasmine P.M, Planar Lowpass Filter with Sharp Roll-off Using Patch Resonators on High Impedance Microstrip Line, *IEEE RADIO 2015 International Conference*, 21-24, September 2015, Mauritius.
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