Resume

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Sr. No.	Position held (Designation)	Place of work	Duration	Areas of work
1	Lecturer	Bannari Amman Institute of Technology	July 2000 to Feb 2007	Department of Electronics and communication Engineering
2	Senior Lecturer		Mar 2007 to April 2010	
3	Assistant Professor		May 2010 to April 2011	
4	Associate Professor		May 2011 to December 2015	
5	Professor		January 2016 to till date	

3. List of publications (Paper published during last 10 years)

1. Poongodi C & Shanmugam A, 'Design and Performance Analysis of Side by side, Echelon and H-shaped Multiple Printed Dipole Antennas for Wireless Local Area Network Application', in the International Journal of Communication Systems, Vol 27, Issue 12, December 2014.

2. Poongodi C & Shanmugam A, 'A dual resonant dipole antenna with G shaped and U shaped metamaterial structure for WLAN application', International Journal of Applied Electromagnetic and Mechanics, vol.42, pp.653-661, 2014.

3. Poongodi C & Shanmugam A, 'Ergodic Capacity Analysis of Multiple Input Multiple Output Systems with Dual Hop Amplify and Forward Relay Networks', Journal of Computer Science, vol. 7, no.12, pp. 1805-1812,

4. C.Poongodi and Dr. A. Shanmugam, "Average Mutual Information Analysis of Multihop Relaying and Multiple Antenna Techniques in 4-G Cellular System", International Journal of American Journal of Applied Sciences, Vol. 9, No.10, pp: 1721-1728, 2012.

5. C.Poongodi and Dr. A. Shanmugam, " Design of Two Element Array Printed Dipole Array Antenna and Four Element Printed Dipole Array Antenna for Wireless Communication Application", Springer, Lecture notes on electrical engineering, vol. 222, ISN186-1100 ,pp:245-255 ,Springer 2013

6. Dr. Deepa D, Poongodi C, "Design and Analysis of Printed Dipole Slot Antenna for WLAN and RFID Applications", Advanced Studies in Theoretical Physics, Vol. 8, 2014,

no. 14, pp. 635 - 641, HIKARI Ltd, www.m-hikari.com, http://dx.doi.org/10.12988/astp.2014.4569.

7. C.Poongodi and Dr. A. Shanmugam, "Two Element Array of Circular Patch Antennas and Microstrip Annular Ring Array in Indoor Clustered MIMO Channel using Pattern Diversity" International Journal of Advances in Science and Technology, Vol. 3, No.6, 2011.

8. C.Poongodi and Dr. A. Shanmugam, "Capacity of MIMO Antenna Configurations for Spatial Channel and One Ring Model Scenarios" in the International Journal on Futuristic Computer Applications IJCA 2010.Volume 1, No.12,March 2010.

9. C.Poongodi and Dr. A. Shanmugam, "Multi-Element Multi-Polarized Antennas for MIMO System Based on Realistic Channel Models" in the International Journal of Applied Engineering Research (IJAER), Research India Publication, Vol 5,No 16,pp-2867-2876, 2010.

10. C.Poongodi and Dr. A. Shanmugam, "Performance Analysis of IEEE 802.16 OFDM physical layer under different SUI channels" in the CiiT International Journal of Wireless Communication.

11. C.Poongodi and Dr. A. Shanmugam, "Measurement of VSWR and Matched Impedance for Liquid UHF RFID Applications", in the International Journal of Communication and Engineering, Vol. 5, No.1, 2012.

12. C.Poongodi and Dr. A. Shanmugam, "Performance Analysis of MIMO WITH Amplify and Forward Relay Network for Mobile to Mobile Fading Channel Model", International Journal of Wireless Networks and Communication Engineering, Vol.4, No.1, pp:59-69,2012.

13. C.Poongodi and Dr. A. Shanmugam, "Design of Multiple Printed Dipole Antennas in Different Configuration for Wireless Communication Applications, ICTACT Journal on Communication Technology, Vol.3, No.3,pp:567-571, September 2012.

14. C.Poongodi, D.Deepa and Dr. A. Shanmugam, "A Triband Folded Dipole Antenna for GSM Mobile Communication Applications", International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 3, Issue 1, January 2013.

15. C.Poongodi and Dr. A. Shanmugam, "A Novel Compact CPW-FED Printed Dipole Antenna for UHF RFID and Wireless LAN Applications" International Journal of Electronics and Computer Science Engineering (IJECSE) (ISSN NO-2277-1956), Vol. 2, No. 2, April 2013.

16. C.Poongodi, D.Deepa and Dr. A. Shanmugam, "A Compact Square Circular and Cross Shaped Slotted Patch Antenna for RFID Application", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, Issue 1, January 2013.

17. C.Poongodi and Dr. A. Shanmugam, "Design A Low Profile Printed Monopole Antenna for RFID Applications", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 2, February 2013.

18. C.Poongodi and Dr. A. Shanmugam, "Design of Different Slotted Microstrip Patch Antenna for RFID Applications", International Journal of Engineering Science Invention, Vol.2, Issue 5, May. 2013.

19. D.Deepa, C.Poongodi and Dr. A. Shanmugam, "The Influence of Speech Enhancement Algorithm in Speech Compression with Voice Excited Linear Predictive Coding", Information Engineering (IE) Volume 2 Issue 4, December 2013.

20. P.Prabhu and C.Poongodi, "Design and Simulation of folded printed dipole antenna with PBG structure for Ultra Wide Band (UWB) applications", Elixir International Journal Network Engineering, 61 (A) 2013, 17308-17310.

21. C. Poongodi, Renugadevi M, "Design Of Dual Band Triangular Fractal Antenna With Slits For Wireless Applications " in International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Volume 2, Issue 3, Global Impact Factor: 0.465, 2014.

22. Dr. Deepa D, Poongodi C, Dr. Bharathi A, "Satellite Image Enhancement using Discrete Wavelet Transform and Morphological Filtering for Remote Monitoring", Australian Journal of Basic and Applied Sciences, (ISSN 1991-8178), Vol., 8(3) , pp: 27-34,March 2014.

23. Dr. Poongodi C, Dr. Deepa D, " Identity Based Digital Signature Scheme in Cluster based Wireless Sensor Networks for Secure and Efficient Data Transmission −A Survey", International Journal of Advanced Information and Communication Technology , (ISSN 2348 − 9928), Vol., 1(6), pp: 534-538, October 2014.

24. S. Muthusamy, Dr. C. Poongodi, "An Analysis of Multipath Aomdv in Mobile Adhoc Networks", International Journal of Engineering Research ISSN:2319-6890(online),2347-5013(print) Volume No.4, Issue Special 5, May 2015.

25. S. Muthusamy, Dr. C. Poongodi, "An Intrusion Detection System in Cluster Based Wireless Sensor Networks" , International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.29 (2015).

26. Dr.C.Poongodi, P.Theerka, 'Rhythm-Based Authentication Model for Mobile Devices', International Journal of Innovative Research in Engineering Science and Technology, Volume IV Issue 0.1 Pg No.17, Pg 113-118, March 2016.

27. Dr.C.Poongodi, P.Theerka, 'Survey on Security Challenges, Controls and Defensive Mechanisms for Mobile Devices', International Journal for Research in Applied Science and Engineering Technology, Volume 3 Issue X, Pg No. 111-115, October 2015.

28. Renuga Devi M, Sasireka N and Poongodi C, "Design of Fractal Circular Patch Microstrip Antenna for Multi-Band Applications", IJSRD - International Journal for Scientific Research & Development| Vol. 4, Issue 10, 2016 | ISSN (online): 2321-0613.

29. Poongodi C, Renuga Devi M and Sasireka N, "Performance Anaysis of MIMO System using Space Division Multiplexing Algorithms", International Journal of Electrical and Electronics Engineers, Vol.09, Issue 02, June-December 2017.

30. Renuga Devi M , Sasireka N and Poongodi C, "Design of Microstrip Patch Antenna for Industrial Routers Applications", Journal of Analog and Digital Devices, Vol 2, Issue 2,2017.

31. Deepa D and Poongodi C, "Speech Enhancement Using Dual Transform-Normalized LMS Algorithm for Speech Recognition Application", International Journal of Advance Research, Ideas and Innovations in Technology ISSN: 2454-132X,Volume 3, Issue 4,2017.

32. Dr.C.Poongodi, "Performance Analysis of Communication System based on Diversity and Spatial Multiplexing with Antenna Grouping Techniques", IJEECS, Vol6, No.9, September 2017.

33. Dr. Deepa D., Poongodi C., M. G. Sumithra, "Performance Analysis of Dual Channel Speech Enehancement method with DCT and Hadamard Transforms using Normalized Lattice Recursive Least Square algorithm", International Journal of Advanced Research in Science and Engineering, Vol. 6, No. 10, pp 1887-1895, OCT 2017

34. Deepa D and Poongodi C, "Subband Approach Of Speech Enhancement Using The Properties Of Human Auditory System For Digital Hearing Aid", International Journal of Pure and Applied Mathematics, Volume 119 No. 18 2018, 2259-2272.

35. Dr.C.Poongodi1 , M.Sandhiya2," A Survey: Brain Tumor Detection and Classification using Two-Tier Classifier Approach", International Journal of Management, Technology and Engineering Volume IX, Issue II, FEBRUARY/2019 ISSN NO : 2249-7455, Volume IX, Issue II, FEBRUARY/2019 ISSN NO : 2249-7455 Page No: 149-157.

36. Poongodi C, Deepa D," Performance Analysis of Massive MIMO system for 2D/3D channel Models in 4G/5G Networks", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-2S, December 2018.

37. Saranya.R1 , Poongodi.C, "Facial Expression Recognition Techniques: A Comprehensive survey", International Journal of IET Image Processing, DOI: 10.1049/iet-ipr.2018.6647, March 2019.

38. A Detailed Comparative Review On Routing Protocols, Congestion And Meta-Heuristics Approaches In MANET INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8, ISSUE 12, DECEMBER 2019 ISSN 2277-8616

39. Saranya.R1 , Poongodi.C, Novel deep learning model for facial expression recognition based on maximum boosted CNN and LSTM, IET Image Processing and 1751-9659, 2019

40. P. Ramya, R. S. Valarmathi & C. Poongodi Antenna selection with improved group based particle swarm optimization (IGPSO) and joint adaptive beam forming for wideband millimeter wave communication, Journal of Ambient Intelligence and Humanized Computing, 2019

41. K.Shoukath Ali, P.Sampath, C.Poongodi, "Symbol Error Rate Performance of Hybrid DF/AF Relaying Protocol Using Particle Swarm Optimization Based Power Allocation", IEEE Xplore 30 April 2020

42. Poongodi C, Deepa D, Evaluation process of Program Outcomes through direct and indirect attainments- A comprehensive, International Journal of Advanced Science and Technology, 2020

43. Manoojkumar S and Poongodi CA Novel Method for Node Connectivity with Adaptive Dragonfly Algorithm and Graph-Based m-Connection Establishment in MANET, Computers, Materials & Continua CMC, vol.65, no.2, pp.1649-1670, 2020

List of project completed indicating briefly title, sponsoring agency, duration and outcome of project.

S. No.	Funding Agency	Title	Amount Sanctioned in Rs.	Duration
1	AICTE-RPS	Design of Printed Dipole Antennas for UHF-RFID Reader in stock control Application	8,10,000	March 2011-March 2013 (2 years)

h) Details of Devices/instruments already developed in past.