

Dr. T Anita Jones Mary Pushpa, M.E., Ph.D

ASSISTANT PROFESSOR,
KARUNYA UNIVERSITY
COIMBATORE-641114, INDIA
MOBILE NO: 9486035319
PHONE NO: 0422-2615214
EMAIL: tajmp8576@gmail.com, anitajones@karunya.edu



OBJECTIVE

To pursue a profound and prospective career in world-class teaching and invigorate research

EDUCATION

- 2008-2014 *PhD (Information and Communication Engineering)***
Anna University, Chennai, India
Thesis Title: Investigating the Effect of Specific Absorption (SAR) under free space and Closed Environment.
- 1998-1999 *M.E. (Communication Systems)***
MEPCO SCHLENK Engineering College, Sivakasi, Tamil Nadu, India.
- 1994-1998 *B.E. (Electronics and Communication Engineering)***
Mohamed Sathak Engineering College, Kilakarai, Tamil Nadu, India.

CURRENT POSITION

- 2000- 2002 Lecturer**

Department of Electronics and Communication Engineering, Mohamed Sathak Engineering College, Kilakarai, Tamil Nadu, India.
- 2002-Till Assistant Professor**

Department of Electronics and Communication Engineering, Karunya University, Coimbatore, Tamilnadu, India

Module leader/tutor for

Modern digital communication techniques
Satellite communication
Advanced radiating system
Fiber optic communication
Microwave and optical Communication
Antenna Theory and Wave Propagation
Digital Communication
Digital Signal Processing

RESPONSIBILITIES

Microwave and Optical Laboratory In charge
Examination Coordinator
ECE Association Coordinator
Mindkraft (National Level Technical Event) Coordinator

RESEARCH INTEREST

Design of Antennas for Mobile Applications
Analysis of Radiation Effects of Antennas on Human Health
Design of Textile Antennas.
Design of Antennas for Body Area Networks
Antenna Design for Wireless Application

PAPER PRESENTATIONS AT INTERNATIONAL JOURNALS

1. Anita Jones Mary Pushpa, et al. "Effect of SAR on Human Head Modeling In Cylindrical Enclosures", Electromagnetic Biology & Medicine, Vol. 32, No. 3, pp. 382-389.
2. Anita Jones Mary Pushpa, T et al, "Reduction of Absorption rate in mobile PIFA antenna operating at 900 MHz", European Journal of Scientific Research, Vol. 76, No. 2, pp. 175- 182, 2010.
3. Anita Jones Mary Pushpa, T et al. "SAR reduction in slotted PIFA for mobile handsets using RF shield", ARPN Journal of Engineering and Applied Sciences, Vol. 7, No. 11, pp. 1501-1505, 2012
4. Anita Jones Mary Pushpa, et al. "Slotted PIFA with Edge Feed for Wireless Applications", International Journal of Advances in Engineering & Technology, Vol. 3, No. 1, pp. 101-110, March 2012.
5. Anita Jones Mary Pushpa T et al. "Bandwidth Enhancement of PIFA with Slots for Wireless Applications", International Research Journal of Mobile and Wireless Communications, Vol. 3, No. 1, pp. 429-434, February 2012.
6. Anita Jones Mary Pushpa, T. et al. "Measurement of Absorption Rate Due to Hand Held Position in Mobile Path Antenna of Dual Frequency Band Using FEKO Software", International Journal of Advance in Communication Engineering, Vol. 2, No. 2, pp. 89-93, July-December 2010.

7. Anita Jones Mary Pushpa, T. et al. "Investigation of SAR on human head modeling using patch antenna in mobile communication for dual band frequency." Proceedings of 2010 IEEE International Conference on Emerging Trends in Robotics and Communication Technologies (INTERACT), pp. 121-124.
8. Anita Jones Mary Pushpa, T et al. "Analysis of SAR on Human head Modeling in Metallic Enclosures", Proceedings of 2010 IEEE International Conference on Computational Intelligence and Computing Research: 2010 ICCIC, DOI: 10.1109/ICCIC.2010.5705849, pp. 1132-1136.
9. Anita Jones Mary Pushpa, T. et al. "Impact of SAR on human head modeling in Elevators using IFA." Proceedings of 2010 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE), pp. 132-136.
10. Anita Jones Mary Pushpa, T et al. "Effect of metal slab on SAR effects in mobile antenna for dual band frequency." Proceedings of 2010 IEEE International Conference on Communication and Computational Intelligence (INCOCCI), pp. 1289-1294.
11. T. Anita Jones Mary. et al. "Mutual Decoupling In Quad Band MIMO Slotted PIFA for Wireless Applications." Int J. of Engineering and Science 1, no. 2 (2012): pp. 303-307.
12. T. Anita Jones Mary. et al.. "Design of Modified Bowtie Antenna for Wireless Applications." In International Journal of Engineering Research and Technology, vol. 3, no. 1 (January-2014). pp. 127-135.
13. T. Anita Jones Mary Pushpa, et al.. "Investigation of SAR inside Different Enclosures and Reduction Techniques." International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) 2, no. 3 (2013): pp-1170-1174.
14. T. Anita Jones Mary Pushpa, et al. "Performance analysis of Meandered loop and Top loaded monopole antenna for Wireless Applications", International Journal Advanced Research in Computer Engineering and Technology, Vol. 2, No. 2, pp. 826-830.
15. T. Anita Jones Mary Pushpa, et al. "An Innovative Octagonal Fractal Circular PIFA for Mobile Phone Applications", The International Journal of Engineering and Sciences, Vol. 1, No. 2 (2012), pp. 308-312.
16. T. Anita Jones Mary Pushpa, et al" Comparative study of CPW-fed Bowtie antenna with ACS fed Bowtie antenna for wireless applications" International Journal Of Engineering and Computer Science ISSN:2319-7242 Volume 3 Issue 4 April, 2014 Page No. 5561-5564

17. T. Anita Jones Mary Pushpa, et al”” Design of Modified Bowtie Antenna for Wireless Applications” International Journal of Engineering Research & Technology (IJERT) Vol. 3 Issue 1, January -2014
18. George, Robin, and Thomas Anita Jones Mary. "Review on directional antenna for wireless sensor network applications." IET Communications 14.5 (2019): 715-722.
19. Jones, Anita. "Survey: energy efficient protocols using radio scheduling in wireless sensor network." International Journal of Electrical & Computer Engineering (2088-8708) 10 (2020).
20. Jone, A. Amir Anton, and T. Anita Jones Mary. "A Novel Compact Microstrip UWB Rectangular Stair Slot Antenna for the Analysis of Return Losses."
21. Joy, J. Annal, et al. "Dual-Pin-Fed Circularly Polarized Patch Antenna for Wi-Fi Application." 2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT). Vol. 1. IEEE, 2019.
22. Jone, A., Pushpa, T., George, N. M., Sagayam, K. M., Subramanian, S., & Jebarani, P. E. (2019). Method for Early Detection of Breast Cancer: A Technical Review. Indian Journal of Public Health Research & Development, 10(10), 441-445.
23. Mary, T., Sugumar Durai, and Shanon Mistry. "Patch antenna using Biocompatible Insulation layer in Wireless On-Body sensor applications." Journal of Engineering Science & Technology Review 12.1 (2019).
24. Jones, T. Anita, et al. "Slotted Antenna Deign For GPS Applications Using Feko Software." 2018 4th International Conference on Devices, Circuits and Systems (ICDCS). IEEE, 2018.
25. Pushpa, T. Anita Jones Mary, and D. Sugumar. "ANTENNA BEHAVIOUR UNDER DIFFERENT SOIL CONDITIONS." Technology 8.10 (2017): 484-490.

PAPER PRESENTATIONS AT NATIONAL CONFERENCES

1. T. Anita Jones Mary et al., “Multiband Triangular Fractal PIFA antenna for Mobile Application”, Proceedings of IEEE International Workshop in WIEM 2013, pp. 32-38
2. T. Anita Jones Mary et al. “Modified Meander PIFA for Mobile Application”, Proceedings of IEEE International Workshop in WIEM 2013, pp. 13-17.
3. T. Anita Jones Mary et al., “Self AFFINE Fractal Antenna for Mobile Applications”, Proceedings of IEEE International Workshop in WIEM 2013, pp. 7-12.

4. T. Anita Jones Mary et al. "Rectangular and Circular Microstrip Antenna Design for Bandwidth Enhancement using Slots", Proceeding of ICTATEMs-2011, pp. 201-204.
5. T. Anita Jones Mary et al. "Gain and Bandwidth Enhancement of a Circular Microstrip Patch Antenna using a Circularly Periodic EBG Structure with Multi-Feed and an Air Layer Between two Substrate", Proceeding of ICTATEMs-2011, pp. 214-218.
6. T. Anita Jones Mary. et al. "Gain and Bandwidth Enhancement of a Circular Microstrip Patch Antenna using an Air Layer Between two Substrate", Proceeding of ICCOS-2011, pp. 245-248.
7. T. Anita Jones Mary et al. "Microstrip Antenna Design for Bandwidth Enhancement by using Multi U Slots", Proceeding of ICCOS-2011, pp. 210-214.
8. T. Anita Jones Mary et al. "Design Vivaldi Antenna for Brain Cancer Detection", Proceeding of ICECS-2014, pp. 137-140.
9. T. Anita Jones Mary et al. "Design of Circular Fractal PIFA Antenna for Mobile Applications", Proceedings of ICETT-2012, pp. 472-476
10. T. Anita Jones Mary et al. "Compact Conformal Meander Slit PIFA Antenna for Mobile Applications", Proceedings of ICETT-2012, pp. 472-476
11. T. Anita Jones Mary et al. "Design of Vivaldi Antenna for Brain Cancer Detection", ICECS -2014, Feb.13 –14, 2014,
12. T. Anita Jones Mary et al. "Tag Antenna Design for RFID Applications", ICIECS'15
13. T. Anita Jones Mary et al. "A 2.8/3.3 GHz Meander Line Antenna for WiMAX Application", ICIECS -2015
14. T. Anita Jones Mary et al."Modified Meander PIFA for mobile applications" Proceedings of IEEE international workshop on Women in Electromagnetics, 2013
15. T. Anita Jones Mary et al."Self Affine Fractal PIFA for mobile applications" Proceedings of IEEE international workshop on Women in Electromagnetics, 2013

RESEARCH EXPERIENCE

Projects guided at Under-Graduate level:

1. Design of Antennas for GNSS Application
2. Design of Antennas for Under Ground soil Application
3. PIFA Antenna design for MIMO application

Projects guided at Post-Graduate level:

1. Specific Absorption for Mobile Application

2. Meander Antenna Design for Multi-Band Application
3. Fractal Antenna for Wireless Application
4. LOGO Antenna for Wireless Application
5. Antenna Design for RFID application

Workshop/Seminar/FDP Attended

1. Attended “INUP familiarization workshop on nanofabrication technologies” organized by Iisc Bangalore from 20-22 July 2015.
 2. Attended FDP on “RF System testing and Measurement” organized by CIT Coimbatore on 17th June 2015.
 3. Attended a workshop on “Writing Research Proposals” Programme organized by Karunya University, Coimbatore, Feb 13th 2013.
 4. Attended seminar on “Antennas and Microwaves” conducted by IEEE APS, May 9th 2014.
 5. Attended TEQIP sponsored one week Faculty Development Programme on “RF SYSTEMS” organized by CIT, Coimbatore, 27th NOV – 3rd December 2013.
 6. Attended the IEEE WIEM “Antenna design, wave propagation and application” KCT,
 7. Coimbatore on 1st and 2nd March 2013.
 8. Attended workshop on “Recent trends in RF design” Anna University, Coimbatore 9th OCT 2009.
 9. Attended awareness programme on “Intellectual Property Rights” at karunya university on 18th NOV 2011
 10. Attended seminar on “leadership and skills development” organized by karunya institute of technology on June 12-13 2003. Conference/Workshop conducted
-

HONOR

- a. Received Mannar Thirumalai Meritorious Scholarship Award from Madurai Kamaraj University, Madurai
- b. Editorial Board Member for International Journal of Technology and Research
- c. Reviewer for AEU-international journal of electronics and communications (Else-vier)
- d. Reviewer for IET Microwaves, Antennas & Propagation
- e. Delivered a Guest Lecture on “Antenna Design” in Mar Baselios Institute of Technology and Science Kothamangalam

COMPUTER PROFIECIENCY

EM Simulation Software FEKO and MATLAB

PROFESSIONAL MEMBERSHIPS

- Life Member, IAENG
- Member, IEEE

PERSONAL INFORMATION

Date of Birth : 08-05-1976
Nationality : Indian
Sex : Female
Marital Status : Married
Passport Number : Z3233523

Anita Jones Mary Pushpa T