

Dr.S.A. Amutha Jeevakumari, M.Tech., M.E., Ph.D., M.I.S.T.E.

Professor & HOD

Dept. of Electronics and Communication Engineering
Idhaya Engineering College for Women,
Chinnasalem, Tamilnadu, India

Mobile: 9994590370

Email: jeeprivam@gmail.com



Academic Background

Degree	Specialization	College/University	Class	Year
B.E	Electronics and Communication Engineering	Vellore Engineering College, Vellore (Affiliated to University of Madras)	First	1994
M.Tech.	Information Technology	GGSIT, Punjabi University Patiala	First	2003
M.E	Communication Systems	BIT Campus, Anna University Thiruchirappalli (Affiliated to Anna University, Chennai)	First	2013
Ph.D	Reconfigurable Antenna	Anna University, Chennai	-	2018

Years of Experience: 23 Years

Areas of Specialization

Antenna Design
Microwave Engineering
Communication Networks
Communication Systems
Information Technology

Research Contribution

1. **Doctoral Thesis** on “Design and Analysis on Reconfigurable Antenna for Wireless Applications”.
2. **Post Graduate Project** on “Scheduling Techniques for enhancing QoS of Mobile WiMax IEEE 802.16e”.
3. **Post Graduate Project** on “College Automation System using Visual Basic”.

4. **Under Graduate Project** on “Sterilization Process using Microprocessor 8085”.
-

Research Publications in International Journals

1. **S.A.Amutha Jeevakumari**, K.Indhumathi and V.R.Arun Prakash, ‘Role of Cobalt Nanowire and Graphene Nanoplatelet on Microwave Shielding behavior of Natural Rubber Composite in High Frequency Bands’, **Polymer Composites**, July 2020. DOI: 10.1002/pc.25718, <https://do.org/10.1002/pc.25718> (**AU-ANNEXURE-I**)
 2. **Amutha Jeevakumari S.A**, Analysis of DGS in Reconfigurable Antenna for Wireless Applications’, **Journal of Applied Science and Computation**, vol. 6, no. 3, March 2019. ISSN: 10765131 (**UGC approved journal Serial Number: 41238, Impact Factor 5.8**)
 3. **Amutha Jeevakumari S.A** and NagarajanV, ‘Dual Feed Pattern Reconfigurable Antenna for Wireless Applications’, **Springer Journal of Wireless Personal Communications**, vol. 99, no. 2, pp. 829-837, March 2018. DOI: 10.1007/s11277-017-5154-7, <https://doi.org/10.1007/s11277-017-5154-7> (**AU-ANNEXURE-I**)
 4. **Amutha Jeevakumari SA** and Nagarajan V, ‘Pattern Reconfigurable MIMO Antenna’, **International Journal of System Modelling and Simulation**, vol. 1, no.3, pp. 16-18, Dec 2016. ISSN: 2518-0959
 5. **S.A. AmuthaJeevakumari** and P. MaheswaraVenkatesh, ‘Performance Analysis of Space Time Coded MIMO Mobile Wimax (IEEE 802.16e)’, **International Journal of Engineering Science & Innovative Technology**, Volume 2, Issue 2, pp 1-7, April 2013. ISSN: 2319-5967
-

Research Publications in International and National Conference

International Conference

1. K.Jayamani, Indhumathi K and **Amutha Jeevakumari S.A**, ‘survey on Frequency Reconfigurable Antenna using Passive Element for ISM band’, **7th IEEE International Virtual Conference on Smart Structures and Systems (ICSSS’20)**, pp. 350 -352, 23rd & 24th July 2020. ISBN -978-7281-7223-1. (**IEEE Digital Xplore**)
2. M.Abirami, and **S.A. Amutha Jeevakumari** , ‘Scheduling for Enhancing QOS of MIMO mobile WiMax/IEEE 802.16e’ **4th International Conference on Computing Information Electronics and Electrical Engineering (ICCIEEE-20)** , 21st February 2020, Idhaya Engineering College, ChinnaSalem.
3. **S. A. Amutha Jeevakumari** and V. Nagarajan, "Frequency Reconfiguration in Miniaturized Antenna with Stub Loaded CSRR for Wireless Applications," **IEEE International Conference on Communication and Signal Processing (ICCSP)**, Chennai, 2018, pp. 0096-0099. DOI: 10.1109/ICCSP.2018.8524469 (**IEEE Digital Xplore**)

4. **S.A. Amutha Jeevakumari**, ‘Overview of Reconfigurable Antenna’, **International Conference on Recent Innovations in Engineering Science and Technology**, 5th& 6th April 2018, Sri Venkateshwaraa College of Engineering and Technology, Pudhucherry.
5. **S.A. Amutha Jeevakumari**, ‘Enhancing Communication for Future Mars Rovers’, **International Conference on Recent Innovations in Engineering Science and Technology**, 5th& 6th April 2018, Sri Venkateshwaraa College of Engineering and Technology, Pudhucherry.
6. **S.A. Amutha Jeevakumari**, ‘Optimization for Device –to-Device Communication using Power Controlled Algorithm in Cellular Networks’, **International Conference on Recent Innovations in Engineering Science and Technology**, 5th& 6th April 2018, Sri Venkateshwaraa College of Engineering and Technology, Pudhucherry.
7. **S.A. Amutha Jeevakumari** and V. Nagarajan, ‘Dual band Dual feed MIMO Reconfigurable Antenna with Pattern Reconfiguration for Wireless Applications’, **Antenna Test and Measurement Society (ATMS), 10th Annual International Conference**, Hyderabad. Pp. 70-72, 07th & 08th February 2017.
8. **S.A. AmuthaJeevakumari** and V. Nagarajan, ‘Pattern Reconfigurable MIMO Antenna’, **Fifth International Conference on Science, Management, Engineering and Technology 2016 (ICSMET 2016)**, 11th& 12th December 2016, Dubai, U.A.E.

National Conference

1. **S.A. AmuthaJeevakumari**, “Wireless Underwater Mobile Robot System based on Zigbee”, National Conference on Communication Technologies, Agni College of Technology, Chennai, 11th April 2013.
2. M. Phemina Selvi and **S.A. AmuthaJeevakumari**, “Mobility Management Techniques for 4G Mobile IPv6”, National Conference (TECHCON-08), IFET College of Engineering, Villupuram, pp. 9-11, 8th April 2008.

Membership

- Indian Society for Technical Education (ISTE) - Lifetime Member No. LM 31346
 - Institute of Electrical and Electronics Engineers (IEEE) – Annual Member No. 90555818
 - International Association of Engineers (IAENG) – Lifetime Member No. 145981
-

Additional Responsibilities:

Chairman of Research & Development Cell
 Member of Training and Placement Cell
 Member of Discipline Committee

Academic Achievements

1. **Reviewer** of the IEEE International Virtual Conference on Smart Structures and Systems (ICSSS’20), Saveetha Engineering College, Chennai, 23rd & 24th July 2020.
2. **Reviewer** of the International Conference on Computational Intelligence, Security & IoT (ICCISIoT), 13 -14th December 2019, NIT Agartala.

3. **Session Chair Person** for the 3rd , 4th , 5th , 6th , 7th &8th IEEE International Conference on Communication and Signal Processing, Adhiparasakthi Engineering College, Melmaruvathur.
 4. Delivered virtually as **Guest Speaker** entitled, “**Recent Developments in Reconfigurable Antenna**” at Kalainar Karunanithi Institute of Technology, Coimbatore, on 24th August 2020.
 5. Delivered an **expert lecture** on “**Quality Aspects in Assessment and Evaluation Methodologies of Learning in Higher Educational Institutions**” at the FDTP entitled “Quality Improvement Initiatives”, Idhaya Engineering College for Women, Chinnasalem.
 6. Acted as **Jury for the Paper Presentation** in the National Level Technical Symposium held at various nearby engineering colleges.
-

Professional Achievements

1. The book titled on “**ELEMENTS OF DATA COMMUNICATION AND NETWORKS**” published by **University Science Press, New Delhi** (An Imprint of Laxmi Publications Pvt. Ltd.), First Edition 2008. ISBN: 978-81-318-0462-9. ISBN 10 : 8131804623 (Amazon.in)
 2. Received “**ISTE BEST STUDENT CHAPTER STAFF ADVISOR AWARD FOR ENGINEERING COLLEGES**” from **Indian Society for Technical Education**, New Delhi, for both Tamil Nadu & Pondicherry Section on 29th December 2011.
 3. Received fund from **Tamil Nadu State Council for Science & Technology** for “Green Optical network for IP over WDM” under Student Project Scheme 2012-2013.
-

[Dr.S.A.AMUTHA JEEVAKUMARI]