



Dr. T. Sasilatha, B.E, M.E, Ph. D
Professor and Dean
E-Mail: deaneeem@ametuniv.ac.in

Dr.T. Sasilatha, Professor and Dean, Department of Electrical and Electronics Engineering has 26 years of experience in teaching, research and administration. She received her B.E Degree from Manonmaniam Sundaranar University, ME and Ph.D. Degrees from Anna University, Chennai. She has received CMI Level 5 Certificate in Management and Leadership from UK. She has published more than 100 articles in refereed International Journals and Conferences.

Prior to joining AMET in 2017, she had served as a Faculty and elevated as various academic positions in St. Joseph's group of Institutions from 1996 to 2013. She served as Vice Principal in affiliated colleges. She has performed funded research projects and has participated in industry collaborated projects.

She is a member of IEEE professional society, Life member of Indian Society for Technical Education (ISTE) and IAENG. She has guided 5 Ph.D. scholars and guiding 08 research scholars in the area of VLSI Design, Artificial Intelligence, Signal Processing and Wireless Sensor Networks. She has received certificate of appreciation from the International Association of Maritime Universities (IAMU) in 2019. Recently she has organized AICTE funded National conference and AICTE funded Short term training Program.

Awards/ Rewards Received

- Academic Leadership award from International Association of Research and Developed Organization.
- Award of Excellence from AMET Deemed to be University in 2019.
- Education Leadership Award from Dewang Mehta National Education Awards in 2018.
- Award of excellence in research from DK International Research Foundation in 2018.

FUNDED RESEARCH PROJECTS FROM GOVT. AGENCIES

1	Title	Marine Frequency Converter based renewable energy system in Onboard ships
	Organization	AICTE
	Sanctioned Amount	12,65,000/-
	Status	Ongoing
	Role	Principal Investigator
2	Title	Skill and Personality Development Program Centre (SPDC) for SC and ST Students
	Organization	AICTE
	Sanctioned Amount	17,48,000/-
	Status	Ongoing
	Role	Principal Investigator
3	Title	Solar Still Using Nano Phase Change Materials
	Organization	Tamil Nadu State Council for Science and Technology – under DST/ PRG Scheme
	Sanctioned Amount	4,30,000/-
	Status	Ongoing
	Role	Principal Investigator
4	Title	Recognition as Host Institute (HI) to set up Business Incubator (BI)
	Organization	MSME
	Sanctioned Amount	3.5 Crore
	Status	Sanctioned
	Role	Principal Investigator
5	Title	Grant for Organizing Conference (GOC)
	Organization	AICTE
	Sanctioned Amount	5,00,000/-
	Status	Completed
	Role	Principal Investigator
6	Title	Short Term Training Programme (STTP)
	Organization	AICTE
	Sanctioned Amount	2,70,000/-
	Status	Completed
	Role	Principal Investigator

PATENT

A Smart suite for assisting the pregnant women; Application no: 202041008057; published on 06.03.2020.

BOOK/ BOOK CHAPTERS

1. Dr.M. Parameswari, Ms. S. Lincy Jemina, **Dr.T. Sasilatha**, Dr.A. Suresh, “Internet of Things”, ISBN: 939008404-0, L Ordine Nuovo Publishers, 2020
2. Dr.A. Suresh, **Dr.T. Sasilatha**, Dr.T. Baldwin Immanuel, “Basic Electrical and Electronics Engineering”, ISBN: 939008404-0, L Ordine Nuovo Publishers, 2020
3. A Book Chapter titled “Nanotechnology in the Beverage Industry - Fundamentals and Applications; ISBN: 978-0-12-819941-1,2020
4. A Book Chapter titled, “Role of Data Communication during Corona Virus Pandemic” for the Book “Energy and Power”, ESN Publications, ISBN: 978-93-90781-04-1, 2021.
5. A Book Chapter titled, “AI Enabled Surveillance System for Initial Screening of Covid 19 Patients” for the Book “Energy and Power”, ESN Publications, ISBN: 978-93-90781-04-1, 2021.
6. **Dr.T. Sasilatha**, S. Balaji, S. Subburaj “Fundamentals of Data Structures in C”, Charulatha Publications in 2019
7. **Dr.T. Sasilatha**, “Fundamentals and basic Principles of Remote Sensing”, Charulatha Publications in 2015.

SELECTED PUBLICATIONS

1. Dr.T. Sasilatha, “Role of compressed sensing based Image Sensor for smart surveillance Applications”, Test Engineering and Management ISSN 0193-4120, pp: 1986-1992, Vol: 82, issue no 1, Jan 2020
2. Dr.T. Sasilatha, “Valuable Vitality Remote Perceiving in Cloud IOT”, Test Engineering and Management ISSN 0193-4120 pp: 1982-1985, Vol: 82, issue no: 01, Jan 2020.
3. Senthil Murugan Maniam, **T. Sasilatha**, “Area-efficient and high-speed hardware structure of hybrid cryptosystem (AES-RC4) for maximizing key lifetime using parallel subpipeline architecture” Concurrency and Computation: Practice and Experience Jan 2019 John Wiley & Sons, Ltd. ISSN: 1532-0634, IF: 1.167, pp: 1-15.
4. S Vidhya, **T Sasilatha**, “Secure Data Transfer Using Multi Layer Security Protocol with Energy Power Consumption AODV in Wireless Sensor Networks”, Wireless Personal Communications, Sep 2018, Vol: 103, Issue no: 04, ISSN: 0929-6212, pp: 3055-3077, Springer US
5. S. Balaji, **Dr.T. Sasilatha**, ‘Detection of Denial of Service Attacks by Domination Graph Application in Wireless Sensor Networks’ Cluster Computing, April 2018 issue no: 06, Vol: 22, pp: 10586-018-2504-5, DOI: 10586-018-2504-5 Springer Publications, Impact Factor 2.05

6. Parameswari M, **Dr.T. Sasilatha**, “Cross-Layer Based Error Control Technique for WSN with Modified Relay Node Selection and Corruption Aware Method”, *Wireless Personal Communications*, Springer Publications, Vol: 99, Issue: 01, ISSN: 0929-6212, pp. 479-495. 2018.
7. R. Mahalakshmi and **Dr.T. Sasilatha**, “An Improved Digital FIR Filter Design Using fast FIR Algorithm and Modified Carry Save Addition” *National Academy Science letters*, Springer Publications, November 2016, Vol: 41, issue :3, pp: 147-150, June 2018
8. Suresh N, **Dr. T. Sasilatha** and Senthil B “System on chip (SOC) based cardiac monitoring system using Kalman filtering with fast Fourier transform (FFT) signal analysis algorithm”, *Journal of medical imaging and health informatics*, Vol.6, no.4, pp 1-9, Aug 2016, SCI Journal Impact Factor 0.877, ISSN: 2156-7018.
9. N. Anusha and **Dr.T. Sasilatha**, “Performance Analysis of Wide and or Structures Using Keeper Architectures in Various CMOS Technologies”, *International journal of Computational and theoretical Nanoscience*, ISSN: 1546-1955, Volume 13, Number 10, October 2016, pp. 6999-7008
10. Vidya.S and **Dr.T.Sasilatha**, “Performance analysis of Ad-Hoc on Demand Distance Vector and Energy consumption AODV in Wireless Sensor Networks”, *Journal of Computational and Theoretical Nanoscience*”, Vol:14, no: 3, pp:1265-1270, 2017, ISSN 1546-1955
11. **Sasilatha T.** and Raja J., ‘Modified Design and Analysis of a CMOS LNA for Wireless Sensor Network Applications’, *Wireless Personal Communications*, Springer Science Publications, Vol. 57, 2011, pp. 655 - 669 (DOI: 10.1007/s11277-009-9867-0:) ISSN: 0929-6212.
12. **Sasilatha T.** and Raja J., ‘A 1V, 2.4 GHz Low power CMOS Common Source LNA for WSN Applications’, *International Journal of Electronics and Communication (AEU)*, Elsevier Publishers, Vol.64, Issue:10, Oct 2010, pp. 940 - 946 (DOI: 10.1016/j.aeue.2009.07.009), ISSN: 1434-8411, IF: 2.92.

Google Scholar Citation

: <https://scholar.google.com/citations?user=VdsLMgcAAAAJ&hl=en>