Profile

Name: **Dr.T.Jaya**

Designation:**Professor and Head**

Qualification:**ME., PhD**

She obtained **BE degree** from **Karunya Institute of Technology** with **First class** and **ME degree** from **Sathyabama Institute of Technologywith First with Distinction**. She had completed her research in **Optical Effects on Buried GATE MESFET**. Her Area of interest are Optical Communiction,Image processing and VLSI.

She joined this institute on **08-02-1998** and she is having more than **24 years of teaching experience.** She had published more than **25 Journals**

S.No.	Title of the Paper International Journal	Name of the Journal	Vol/Issue/ pp /Year	SCI/Impact Factor	ISSN No.
	Enhancement of network lifetime by fuzzy based secure CH clustered routing protocol for mobile wireless sensor network.	Journal of Ambient Intelligence and Humanised Computing,/ springer	DOI:10.1007/S12652-021-03170-4/2021	7.104	, ISSN 1868-5145

	Title	Journal / Publisher	Details	Impact Factor	ISSN
	Improved firefly algorithm-based optimized convolution neural network for scene character recognition	Signal, Image and Video Processing / springer	**15/5/ pp. 885-893,/2021**	**2.157**	186 3- 170 3
	An efficient indoor scene character recognition using Bayesian Interactive Search Algorithm based AdaBoost CNN Classifier,	' Neural Computing & Applications/ springer	**33**/15345–15356/2021	5.606	094 1- 064 3
	Data hiding scheme for video watermarking using Horizontal and vertical coefficients of single level discrete wavelet transform method	, Journal of Circuits,Syte ms and Computers'	DOI:10.1142/S021812662250044X/2021	1.333	ISSN (onli ne): 179 3- 645 4
	Cognitive radio technology with reduced	Peer-to-Peer Networking and Applications/	ink.springer.com/article/10.1007/s1208 3-019-00820-5	2.793	019- 36- 645 0

		PAPR and complexity for IOT based OFDM network	springer				
		Detection of hard exudates in colour fundus images using fuzzy support vector machine-based expert system	Journal of digital imaging/ springer	28/6/761-768/MARCH 2015	**4.056**	1618-727X
		Breast cancer risk assessment and diagnosis model using fuzzy support vector machine based expert system	Journal of Experimental & Theoretical Artificial Intelligence / Taylor and Francis Ltd.	1011-102-1/29/5/jan2017	2.1	1362-3079
		A Mathematical Model for Energy Efficient Secured CH Clustering Protocol for Mobile Wireless Sensor Network	Wireless Personal Communications/ springer	112/ 1, / 421-438,/ jan2020	1.671	0929-6212,

	HSV model based data hiding in video for watermark applications	journal-of-intelligent-and-fuzzy-systems	41/ 2/ 2731-2742, 2021	1.851	106 4-124 6
	Advanced Frame Work Denoising the Enhanced Thermal Breast Image	IETE Journal Of Research	• https://doi.org/10.1080/037720 63.2021.1898481/ Mar 2021	1.24	377 206 3
	Title of the Paper **International Journal**	**Name of the Journal**	**Vol/Issue/ pp /Year**	**SJR /Impa ct Factor**	**ISSN No.**
	Thermography Based Breast Cancer Detection Using Self Adaptive Gray Level Histogram Equalization Color Enhancement Mehod	International Journal of Image systems and Technology/ Wiley	Volume31, Issue2 June 2021 Pages 854-873	2	109 8-109 8
	Field Programmabl e Gate Arrays (FPGA) Based Computationa l Complexity Analysis of Multicarrier Waveforms	Intelligence automation and soft computing/TS P	, DOI:10.32604/iasc.2022.021984	Impac t Factor : 1.647	ISSN : 107 9-858 7

	Detection and preventsion attacks of cloud computing				
	Cryptographic Lightweight Encryption Algorithm with Dimensionality Reduction in Edge Computing	Computer system science and engineering/TSP	*Vol.42, No.3, 2022*, pp.1121-1132	1.486	*0267-6192*
	Exploration on Cluster Related Energy Proficient Routing in Mobile Wireless Sensor Network	International Journal of Innovative Technology and Exploring Engineering	8 /4, February 2019	.546	2278-3075,
	Ecigc-Mwsn: Energy Capable Information Gathering In Clustered Secured Ch Based Routing In Mwsn	Materials Today: Proceedings/ **Elsevier**	43, 6, 3457-3462/2021,	31.04	1369-7021

	Low Power Analysis and Design of Efficient Mlat Fault Diagnosis Algorithm With Test Pattern Generation	IJAER,RIP	10/6. 15293-15304,2015	0.18	097 3 456 2
	Thermography based breast cancer analysis	IJIREEICE.	Vol. 6, Issue 4, April 2018	-	232 1– 200 4
	ON/OFF Light Effect on the Buried Gate MESFET	Trans tech Publication, Advanced Materials Research	268/ July/ 2011	0.483	166 2- 950 7
	Analytical Model for I-V Characteristics of Buried Gate MESFET	International Journal of Advanced Science and Technology, SERSC	17/13-22/April, 2010.	0.11	200 5- 423 8
	Characteristics of Buried Gate MESFET Under Front Illumination	IJAER,RIP	5/12/2109–2118/June/*2010*	0.233 4	097 3 456 2
	Analytical model for I-V analysis of buried gate MESFET with modulation frequency	AJMCSR, Academic Journals	3(9)/210-215/September/2010	.8	200 6- 973 1

	characteristics				
	Analysis and Design of High Speed And Efficient Mlat Fault Diagnosis Algorithm With Test Pattern Generation ,	IJAER,RIP	, 10 and 1, 791 - 804 , 2015		097 3 456 2
	Analysing the Pathological Effects of Optic Disc by Using PCA and Mathematical Morphology	Australian Journal of Basic and Applied Sciences ,	8(1) January 2014, Pages: 10-16	.2	199 1- 817 8.
Title of the Paper **National Journal**	**Name of the Journal**	**Vol/Issue/ pp /Year**		**ISSN** **No.**	
The Buried Gate MESFET with turning ON characteristic	Journal of Advances in Engineering Science	Section c (1), pp 29-31, July-Dec 2010.		0973-9041	

| | Effect of Modulation Frequency on Channel Conductance of Buried Gate MESFET | ISOI ,Indian institute of science | 40/ NO: 4 PP: 278-280 DEC 2010 | | | 0970-9983 |

Conference:

	Title of the Paper International Conference	Name of the Conference	Conducted India/Abroad	Vol /pp/ Issue/Year	ISSN No.	Title of the Paper International Conference
	Optical effect on the characteristics of buried gate MESFET	ICCAE 2010	Abroad (Singapore) The National University of Singapore	26-28/Feb / 2010	978-1-4244-5586-7	Optical effect on the characteristics of buried gate MESFET
	Optical Effect on the Buried gate MESFET with Time dependent characteristics	RSTSCC 2010	India SathyabamaUniversity	1/1/336-340/13-15/Nov /2010	978-1-4244-9183-4	Optical Effect on the Buried gate MESFET with Time dependent characteristics
	Photo voltage and Channel Conductance analysis of Buried Gate MESFET with Modulation Frequency	RSTSCC 2010	India SathyabamaUniversity	1/1/293-297/13-15/Nov /2010	978-1-4244-9183-4	Photo voltage and Channel Conductance analysis of Buried Gate MESFET with Modulation Frequency
	Characteristic Buried Gate	ESSTA 2010	India SathyabamaUniversity	13-15/Nov/ 2008	-	Characteristic Buried Gate

MESFET					MESFET
An efficient approach to detect and localize license plate in vehicle images	ICRAECC 2019	Stxcce	7&8/3/2019	-	license plate in vehicle images

LIST OF NATIONAL CONFERENCE				
I-V characteristic Buried Gate MESFET with Modulation Frequency	NCCCT-10	**India**Vinayaka University	08/Aug/2010	I-V characteristic Buried Gate MESFET with Modulation Frequency
Modulation Frequency characteristics OF Buried Gate MESFET	NCCVSP-10	**India** The Rajas Eng College	08,09/ April /2010	Modulation Frequency characteristics OF Buried Gate MESFET
Analytical model for Channel Conductance Characteristic Buried Gate MESFET	RTRIA-10	**India** SivanthiAdithanarEng College.	9,10/Feb /2010	Analytical model for Channel Conductance Characteristic Buried Gate MESFET
Analytical model for I-V Characteristic Buried Gate MESFET	MINDSS-2010	**India** Muthayamaleng college.	22,23/Jan /2010	Analytical model for I-V Characteristic Buried Gate MESFET

Professional Bodies: ISTE, IEEE, ISOI

Achievements:

<u>Phd Research guidance</u>

      <u>1.</u>Completed:3 scholars

      2.Pursuing:8 Scholars