




Faculty Profile

Name	: P. THIRUVALAR SELVAN			
Date of Birth	: 17.03.1974			
Highest Qualification:	Ph. D			
Date of Joining	: 24.06.2013			
Designation	: Professor			
Date of promotion (Present Designation):				
Area of Interest	: ANN, PLANAR ANTENNA, CAD FOR MICROWAVE CIRCUITS			
Mobile No	: 9443191832	Email ID	: thiruvallarselvan@trp.srmtrichy.edu.in	
Experience	: Teaching:	16Yrs & 4 Months	Industry	: Nil
			Research:	4 years
Address (for Communication)	: 5/35, Middle Street, Panayakurchi, Sarcarpalayam, Trichy -10			

Association with Professional Bodies

Name (Professional Body)	MIE	ISTE	SEMCE(I)	IAENG
Type of Membership	LM 121028-1	LM - 45759	LM - 1268	LM -137073

Research

Ph.D Guidance					
Supervisor /GuideshipNo.:	2340400	University:	Anna University	No.of Scholars:	01
Publication*					
International Journals	: 32	National Journals	: 02		
International Conference	: 43	National Conference:	08		
Project Grants (Research projects guided or undertaken/Sponsored Projects)					
Received(Amount)	:	Applied(Amount)	:		
Patent					
Published	:	Granted	:		

Books

Published	:	Current applications of Deep learning in cancer Diagnostics
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FDPs/STTPs /Workshops/ Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended:	23	Attended:	17	Attended:	07	Attended:	05	Attended:	12
Organized:	-	Organized:	-	Organized:	-	Organized:	-	Organized:	-

Online courses (NPTEL, MOOC etc.)	27
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***List of Publications:**

1. S. Suganthi and **P. Thiruvallar Selvan** “Trapezoidal Microstrip Patch Antenna Array for Low Frequency Medical Applications” International Journal of Wireless Personal Communications (Springer US) , Volume 84, Issue No.2, pp. 1721-1732, 2022.
2. C. Chellaswamy , T.S. Geetha , **P. Thiruvallar Selvan** , A. Arunkumar “ 6-phase DFIG for wind energy conversion system: A hybrid approach”, International Journal of Sustainable Energy Technologies and Assessments, 53,(Elsevier) pp. 1-11,2022.
3. S. Suganthi and **P. Thiruvallar Selvan** “New Approach of Efficiency Improvement in 10 dB Doherty Power Amplifier for 4G LTE and 5G Wireless Applications” The Applied Computational electromagnetic Society Journal, Volume 36, Issue No.4, pp. 379-385, 2021.
4. N.Thamil Selvi, **P. Thiruvallar Selvan**, S.P.K.Babu and R. Pandeewari “ Multiband metamaterial-inspired antenna using split ring resonator” journal of Computers and Electrical Engineering (Elsevier) doi.org/10.1016/j.compeleceng.2020.106613, pp.1 – 13, Volume 84, June 2020.
5. S. Suganthi, and **P. Thiruvallar Selvan** “Zigbee Based Intelligent Forest Monitoring System Using Wireless Sensor Network” JOURNAL of WAFFEN-UND KOSTUMKUNDE, Vol. 11, Issue 4, ISSN NO: 0042-9945, pp.192 – 197, April 2020.
6. S. Suganthi and **P. Thiruvallar Selvan** “Copper Cladding CPW Fed Single Layer Antenna for UWB Applications”, International Journal of Psychosocial Rehabilitation, ISSN: 1475-7192, DOI: 10.37200/IJPR/V24I5/PR201752, Vol. 24, Issue 05, pp.820-828, 2020.
7. S. Suganthi and **P. Thiruvallar Selvan** “Defected Ground Micro strip Patch Antenna For WLAN applications”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Vol.08, Issue 09, pp.1575- 1579, 2019.
8. S. Suganthi and **P. Thiruvallar Selvan** “Loss Analysis of Wideband RF MEMS Shunt Capacitive Switch in T and Π -Match Configurations”, The Applied Computational Electromagnetic Society Journal (ACES), ISSN: 1054-4887, Vol. 33, No. 9, pp. 1034-1034, 2018.
9. N.Thamil Selvi, **P. Thiruvallar Selvan** and S.P.K.Babu “EC-SRR Inspired CPW-Fed Triple Band Antenna with Staircase Shaped Ground Plane for WLAN and C-band Applications”, International Journal of Microwave and Optical Technology, ISSN: 2018-4-1533, Vol.13, No.4, pp.299-309, 2018.
10. N.Thamil Selvi, **P. Thiruvallar Selvan** and S.P.K.Babu “A Broad-side coupled SRR Inspired CPW Fed Dual Antenna for WiMAX and Wave Applications”, Progress In Electromagnetics Research C, ISSN:1937-8718, Vol.80, doi:10.2528 /PIERC1710190, pp.221-231, 2018.
11. N.Thamil Selvi, **P. Thiruvallar Selvan** and S.P.K.Babu “An Inset-fed Rectangular Microstrip Patch antenna with Multiple split Ring Resonator Loading for WLAN and RFID Applications”, Progress In Electromagnetics Research C, ISSN:1937-8718, Vol.81, pp.41-52, 2018.
12. S. Suganthi and **P. Thiruvallar Selvan** “High-Power High-Isolation RF-MEMS Switch Using a Shunt Protection Technique”, Journal for Advanced Research in Applied Sciences, ISSN: 2394-8442, Vol. 5, Issue 4, pp.407-410, 2018.
13. S. Suganthi, M. Noorjahan, and **P. Thiruvallar Selvan**, “CPW fed Square Patch Antenna with ISM Band”, Advances in Natural and Applied Sciences, ISSN: 1995-0772 11(8); Pages: 416-423, June2017.

14. **P.Thiruvalar Selvan**, B.GeethPriya, T.Dhivya and T.Keerthana Devi, “ A Novel Double C-Shaped Compact Wearable Substrate Antenna using Metamaterial for Dualband Applications” International Journal of Engineering Research & Technology. ISSN: 2278-0181,pp. 471-474,2017.
15. Dr. S. Suganthi, M. Noorjahan, and **P. Thiruvalar Selvan**, “Miniaturized Implantable Loop Antenna for Biomedical Applications” ” International Journal of Engineering Research & Technology, ISSN: 2278-0181, pp.455-458,2017.
16. **P. Thiruvalar Selvan**, Divya Shree.M.S, Julie Valanteena.J and Kowshika.T.R “Reinforcing RF MEMS Capacitive Switch To Reduce Stress For Radar Application”, International Journal of Engineering Research & Technology, ISSN: 2278-0181,467-470
17. Ms. B. Anandhi Meena, **P. Thiruvalar Selvan** and Dr.S.Raghavan, ”Compact Metamaterial Antenna with High Directivity for Bio-Medical systems”, International journal of circuits and systems, Scientific Research Publishing, **ISSN:2153-1285**, Oct’2016, Vol..7, pp.4036-4045.
18. Ms. B. Anandhi Meena, **P. Thiruvalar Selvan** and et.al., “Novel Splitring Resonator Antennas for Biomedical Application”, Special Issue on Recent Research Challenges in Bio-Medical Applications, **Journal of Pure and Applied Microbiology**, Aug. 2015, Volume 09, pp.235-242.
19. Ms. V. Keerthana and **P.Thiruvalar Selvan**, “ Design of low offset Dynamic Comparators for High speed ADC Architectures”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), **ISSN: 2321-9653**,Volume 3, Issue VI, pp.235-241, June 2015.
20. Ms. S.Susidra and **P.Thiruvalar Selvan**, “COMPUTER-AIDED ANALYSIS FOR DEVICE MODELLING OF 45NM MOSFET”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), **ISSN: 2321-9653**, Volume 3, Issue VI, pp.229-234, June 2015.
21. Ms. K. Vinothini , **P. Thiruvalar Selvan**, “Analysis of 64-Bit SRAM Architecture in 90nm Technology Using Dual Threshold Voltage”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), **ISSN: 2321-9653**, Volume 3, Issue VI, pp.242-245, June 2015.
22. Ms.S.Nivedha , **P. Thiruvalar Selvan**, “DESIGN OF LOW POWER FLIP-FLOP USING ADJUSTABLE VOLTAGE CIRCUIT TECHNIQUE”, International Journal for Research in Applied Science & Engineering Technology (**IJSART**), **ISSN: 2395-1052**, Volume 1, Issue VI, pp.39-46, June 2015.
23. Ms. L.S.Usharani, **Dr.P.Thiruvalar Selvan** , “ A FPGA Implementation of Novel Median Filter to Remove Impulse Noise”, International journal of applied Engineering Research , **ISSN 0973-4562**, Vol.10, No.5,(2015), pp.11795- 11802.
24. Ms. L.S.Usharani, **Dr.P.Thiruvalar Selvan** , Dr.G.Jagajothi, “An Improved De-noising Algorithm for Highly Corrupted Color Videos Using FPGA Based Impulse Noise Detection and Correction Techniques”, Indian Journal of Science and Technology, **ISSN : 0974-6846**, Vol. 8(7), pp. 664–669, April 2015.
25. Ms. B. Anandhi Meena, **P. Thiruvalar Selvan** and et.al., “DESIGN OF CSRR EMBEDDED METAMATERIAL MONOPOLE ANTENNA FOR WiMAX APPLICATIONS” ARPN Journal of Engineering and Applied Sciences, **ISSN 1819-6608**, VOL. 10, NO. 5, MARCH 2015, pp.2214-2216.
26. Ms. B. Anandhi Meena, **P. Thiruvalar Selvan** and et.al., “ Effect of Ground Plane Structure in Metamaterial Inspired Monopole Antenna”, International journal of applied Engineering Research , **ISSN 0973-4562**, Vol.10, No.5,(2015), pp.4777- 4780.
27. Ms. B. Anandhi Meena, **P. Thiruvalar Selvan** and et.al., “ Dual Band Patch antenna using Slots”, International journal of applied Engineering Research , **ISSN 0973- 4562**, Vol.10, No.5,(2015), pp.4781-4784.
28. Ms. B. Anandhi Meena, **P. Thiruvalar Selvan** and et.al., “ Review on Meta material Radome in Gain Enhancement Techniques of Planar antenna ”, International journal of applied Engineering Research , **ISSN 0973-4562**, Vol.10, No.5, (2015), pp.4785 - 4789.

29. Ms. B. Anandhi Meena, **P. Thiruvallar Selvan** and et.al., “ A survey: Antenna for Wireless Capsule Endoscopy System (WCE)”, International journal of applied Engineering Research , **ISSN 0973-4562**, Vol.10, No.5,(2015), pp.4859 - 4863.
30. Ms.L.S.Usharani, **Dr.P.Thiruvallar Selvan** and Dr.G.Jagajothi “Impulse Noise Removal Based on Adaptive Threshold Technique”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), **ISSN: 2321-9653**, Volume 2, Issue XII, pp.443-448, December 2014.
31. Ms. L.S.Usharani, **Dr.P.Thiruvallar Selvan** , Dr.G.Jagajothi, “Adaptive Threshold Based Efficient Removal of Impulse Noise”, International Journal of Research in Engineering & Advanced Technology, (IJREAT), **ISSN: 2320 – 8791**, Volume 2, Issue 5, pp. 1-5,Nov, 2014.
32. Dr. S. Raghavan and **P. Thiruvallar Selvan**, “Novel Compact CPW-FED Printed Slot Antenna for 5.8 GHz RFID Application”, Microwave and Optical Technology Letters, Vol. 55, No. 12, pp.2918-2920, December 2013.