Dr.S.MURUGAN M.E.,Ph.D
Associate Professor/ECE
VelammalCollegeofEngineeringandTech
nology,Madurai
e-Mail Id:smk@vcet.ac.in

Educational Qualification:

- Ph.D Information and Communication Engineering degree from Anna University Chennai in the year 2014.
  Title of Ph.D.Thesis:Design and Implementation of Wideband and Dual frequency Microstip antenna for RF applications.
- M.E. Microwave and Optical Engineering from A.C.C.E.T. Karaikudi during 1999 – 2000 with an aggregate of 80.25% in 10 scale point (First Class with Distrinction).

Affiliated To M.K University, Madurai .

- B.E. Electronics and Communication Engineering degree from R.V.S.College of Engineering and Technology, Dindigul, Affiliated To M.K University, Madurai during1993-1997 with an aggregate of 65.61% (First Class).

Experience in Years: 22 Years 8 Months

Employment History:

Teaching Experience

- Working as Associate Professor in Velammal College of Engineering and Technology, Madurai from June 2024 to till date.
- Workedas Professor in Latha Mathavan Engineering College , Madurai from October 2023 to May 2024.
- Worked as Associate Professor P.S.R.Engineering College, Sivakasi from August 2021 to June 2023.
- Worked as Professor in Sri Vasavi Engineering College, Tadepalligudem, Andhra pradesh from August 2018 to June 2021.
- Worked as Professor in K.L.N.College of Engineering from June 2001 to July 2018

INDUSTRIALEXPERIENCE
NIL

InterestedResearchAreas:

Antennas , RF and Microwave Engineering, Optical Communication, IoT

Funding Received for Conducting National Seminar/Conference:

S.No.	Titleofthe National Seminar/Conference	Funding agency	Total Amount (Rs.)	Status	Year
1.	National Seminar on RF, Antennas and MIC	IEEE Madras Section	12,500/-	Successfully completed	2016
2.	National Seminar on RF, Antennas and MIC	IEEE Madras Section	10,000/-	Successfully completed	2017

Funded Research Projects:

S.No.	Titleoftheproject	Funding agency	Total Amount(Rs.)	Status	Year
1.	Design and ImplementationofMulti-band receiver for GPS andIRNSS	ISRO	17,69,200	NotRecommended	2017
2.	Design andImplementation of TTCantennaformini-satellites (student project)	IE (India)	10,000/-	NotRecommended	2018
3.	Wearable wirelessmonitoring systemwith RFenergyharvesting	DSTS ERB	26,84,000	NotRecommended	2019
4.	Design andImplementation of awidebandantennafor wirelessapplications including5G.	AICTE RPS	24,03,000	NotRecommended	2019
5.	Design of Widebandmicrostripantennaa forMicrowaveImaging applications	DSTS ERB	26,00,000	NotRecommended	2022

PublicationsDetails:

Book/BookChapterPublicationDetails:

Sl. No.	Titleofthe Book	TitleoftheBook Chapter	Name of the Publisher	Publication details
1	Lecture Notes in Networks andsystems,2021	Doublesplitringresonatorbased probefeedpatchantennawithenh ancedbandwidthfor5GandKuba ndapplications	Springer, Singapore	https://doi.org/ 10.1007/978- 981-16-1089- 9_37
2	Algorithms forIntelligent systems, 2021	ACompactMultibandCPWfeed MicrostripfractalantennaforXb and&KubandSatelliteapplicati ons	Springer Singapore	https://doi.org/ 10.1007/978- 981-16-3246- 4_74
3	Algorithmsf orIntelligent systems 2021	Microstrip line fed Recangular split ringresonatorantennaforwideba ndapplications	Springer Singapore	10.1007/978- 981-16-3246- 4_37

InternationalJournalPublicationDetails:

Sl. No.	List of Authors	Titleofthe Paper	Nameofthe Journal	Publication details(Vol., Year, pp.)
1	**S.Murugan,**E .KusumaKum ari	Splitring resonatorbasedDualFreque ncyMicrostrippatchantenn aforwirelessapplications	JournalofMicrow aveEngineering& Technologies,	Vol.9.No.2,p p.1- 14,July2022.

2	**S.Murugan**	Compact MIMO shorted Microstrip antenna for 5G Applications	International journal ofWireless and Microwave Technologies	Vol.11,No.1, pp.22-27,February2021

Sl. No.	List of Authors	Titleofthe Paper	Nameofthe Journal	Publication details(Vol., Year, pp.)
3	S. **Murugan,**Y.ManasaVamsiPriya,P.YaminiSatyasivamani,K.Sowjanyaand M.R.K.S.Phaninder,	Rectangular Patch MIMO antenna with defected ground structurefor5Gapplications	KalasarovarJournal	Vol.23,No.2,pp.130-133,July-September2020
4	NandhiniPriyanka, **S.Murugan**,K.N.H.Srinivas,TDNS.Sarveswararao,andE.Kusuma Kumari,	Smart IoT device for child safety and tracking	InternationalJournal of InnovativeTechnology andExploringEngineering	Vol.8,issue No.8,June2019.
5	**S.Murugan ,** Rohini B, Muthumari S & Padmapriya M	Multi-frequency T slotloaded elliptical patch antenna for wireless applications	ACES Journal	Vol.33, issue 7,July2018
6	**S.Murugan,**Harshitha,E.S&Rajamani, V	SinglefeedDualFrequencyMicrostrip Antenna for GPS applications	Internal Journal of AppliedEngineering Research	Vol.10,pp.101-112,2015
7.	Vetriselvi,S **Murugan, S** & Rajamani, V	Design of wideband U slot antenna	International Journal of Innovative Research in Science,Engineering and Technology	Vol.3,Specialissue3,2014.
8.	**S.Murugan,** SathishKumar, E&Rajamani.V	DesignandAnalysisofDoubleUSlot Loaded Dual Frequency Microstrip Antenna	Progress in Electromagnetic ResearchC	Vol.45,pp.101-112,2013
9.	**S.Murugan**& Rajamani, V	Design, Simulation andExperimental Analysis ofWidebandCircularlyPolarizedCapacitiveFed MicrostripAntenna	ProgressinElectromagnetic ResearchC	Vol.30,pp.173-188,2012
10.	**S.Murugan**&Rajamani,V	DesignofWidebandCircularlyPolarizedCapacitive Fed Microstrip Antenna	Procedia Engineering	Vol.30, pp.382-389,2011

International/ National ConferencePresentationDetails:

1. S.Murugan, " Study of Microwave Imaging antennas for Medical applications" National conference on Innovations in Engineering and Technology, held at Velammal College of Engineering and Technology, Sivakasi during 24 &25 November 2022.
2. S.Murugan, " Review of Microwave imaging techniques for Medicalapplications" Internationalconference on Recent innovations in Science andEngineering, 21-23Feb2022organisedbyP.S.REngineeringCollege,Sivakasi
3. E.KusumaKumari, MV.Kumar, PK.Sharma,**S.Murugan**, "Doublesplitringresonatorbasedprobefeedpatchantenna withenhancedbandwidthfor5GandKu bandapplications"InternationalconferenceonCommunicationandIntelligentsystems, 2021. **(Scopus indexed Lecture Notes in Networks and systems** &**PublicationinSpringerBookSeries**pp.461-474,2021)
4. E.Kusuma Kumari, Purnima K.Sharma, and **S.Murugan** , "A Compact MultibandCPWfeedMicrostripfractalantennaforXband&KubandSatelliteapplications" 2nd International Virtual Conference on Communication andComputational Technologies (ICCCT 2021) , Rajasthan Institute of EngineeringandTechnology,JaipurFeb27-28,2021.(**Publication inSpringerBookSeries**).
5. **S.Murugan**, E.KusumaKumari ," MicrostriplinefedRecangularsplitringresonator antenna for wideband applications" 2nd International Virtual Conferenceon Communication and Computational Technologies (ICCCT 2021) , RajasthanInstitute of Engineering and Technology, Jaipur Feb 27-28, 2021. (**Publication inSpringerBookSeries)**
6. **Murugan S,** Manasa. Y, Ramakrishnan M " Rectangular patch MIMO antennawith defected ground structures for 5G applications" Online Internationalconference on Smart Modernistic in Electronics and Communication (ICSMEC2020)OrganisedbySt.Martin'sEngineeringCollege, Hyderabad. 29th&30June2020.
7. **Murugan S** , "Compact Square patch antenna for 5G communications" **IEEE**International conferenceonData,EngineeringandApplications(IDEA2K20)2020Feb28-292020.**(Scopus indexed)**
8. **Murugan S** , T.A.L.Sudha,Ch.Sowjanya, KT.Suma, and N.V.Alekhya, "Dualband U slot antenna for RF Energy harvesting" **IEEE** International conference onIntelligentcomputingandcontrolsystem(ICCS)2019 May15-172019
9. **MuruganS**,Vigneswaran,Jeyaram"DesignandImplemenationofWearableantenna for ISM Band applications" National conference on Communicationsystemsanddesign,2018 atRAMCOinstituteoftechnology,Rajapalayam
10. **MuruganS**,Vijeylakshmi,Swetha"Dualbandantennaforwirelessapplications" International conference on Industrial Enginering and Applications (ICIEIA2018)heldon11-12 May2018atKLN College ofEngineering,Madurai
11. Kowsalya &**Murugan S**, "Design of flexible Microstrip antenna for wirelessapplications" **IEEE** Sponsored International Conference on Innovations inInformation,EmbeddedandCommunicationSystems(ICIIECS'17),March2017.**(Scopus, WebofScience)**
12. Swathi.S &**Murugan.S,** ' EBG based Circularly Polarised Microstrip antenna forRF applications'**IEEE** International conference on Communication and SignalProcessing

held at Athiparasakthi Engg college, Melmaruvathur, India between 2-4April2015.**(Scopus,WebofScience)**

13. **Murugan, S** & Rajamani, V 2014, "Study of Broadband circularly 5rganizedmicrostripantennas"**IEEE**InternationalconferenceonScience,EngineeringManagementResearch(ICSEMR'14)heldonNov27-292014atVeltechMultitechDrRRDrSREngg college,Chennai.**(Scopus,WebofScience)**
14. Vetriselvi,**Murugan,S**&Rajamani,V2014'DesignofwidebandUslotantenna'International conference on Innovative Engineering and Technology(ICIET'14) 21-22March2014 at KLNcollegeofEngineering,Madurai,India.
15. Krishnaveni, S, **Murugan, S** & Rajamani, V 2010, 'Fractal Antenna EngineeringResearch An Overview', National Conference on Signals, Systems and SecurityNCSSS 2010 26-27 February 2010, Bannari Amman Institute of Technology,Sathyamangalam,India
16. Diana Emerald Asha, S, **Murugan, S** & Rajamani, V 2013, 'Design of WidebandCircularly Polarized Patch Antenna',NationalConference on Microwave andOpticalCommunication(NCMOC2013)March2013atA.C.CollegeofEngineeringandTechnology,Karaikudi,India
17. **Murugan,S**&Rajamani,V2010"Coplanarcapacitivefedstackedpatchantennafor GPS applications", AICTE Sponsored National conference on EmergingTrends in Wireless Technologies(ETWT 2010) 23-24 July 2010 at ThiagarajarCollege ofEngineering,Madurai,India
18. **Murugan,S**&Rajamani, V2009'Design,Fabricationandperformanceanalysis ofdualbandtaperedhelicalantenna',IETEconferenceonRFandMicrowaves(ICONRFMW2009),October2009,IETECentre,Bangaluru,India
19. **Murugan, S** & Rajamani, V 2011, 'Design of Wideband Circularly PolarizedCapacitive Fed Microstrip Antenna', International Conference on CommunicationTechnology and System Design (ICCTSD 2011), December 8-10, 2011, AmritaUniversity,Coimbatore,India.

DetailsofPh.D Supervisor:

NameoftheUniversityasaRecognized Supervisor	:AnnaUniversityChennai-RegNo:**2940002**	
No.ofResearchScholarsRegistered	:	Nil -
No.ofResearchScholarsCompleted	:	Nil
SignificantOutcomes if any	:	Nil

OnlineCourseslikeCOURSERA,MOOC,NPTEL,etc.,qualifiedand Details:

1. NPTELtopper(EliteGoldTop1%among thecandidatescertified)inthecourse **"ANTENNAS"**duringJanuarytoApril2019(12 WeekCourse)

2. NPTELonlinecertificationwithELITEobtained inthecourse"**MicrowaveTheoryandTechniques**" duringJuly 2018 toOctober2018.(12WeekCourse)

3. NPTELonlinecertificationwithELITEobtainedinthecourse"**Computational Electromagnetics**"duringAugust toNovember2019. (12Week Course).

4. NPTELonlineCertificationwithELITEobtained inthecourse"**MillimeterwaveTechnology**"during September2020 to November2020.(8Week Course).

5. NPTEL online Certification obtained in the course "**NBA Accreditation andTeachingandLearningin Engineering**"duringFebruary2022toApril2022(8Week).

6.NPTEL online Certification with ELITE obtained in the course "**Introduction toResearch**" duringFebruary2022toApril2022(8Week).

7.NPTEL online Certification with ELITE obtained in the course "**Introduction to Internet of Things**" duringJune2023toOctober 2023 (8Week).

GoogleScholarreport:

Google ScholarID:https://scholar.google.co.in/citations?user=5u6r04IAAAAJ&hl=en
ScopusID: https://www.scopus.com/authid/detail.uri?authorId=57213737780
ORCID ID : https://orcid.org/0000-0002-6949-4964
VIDWANID: https://vidwan.inflibnet.ac.in/profile/178944

Cited by

	All	Since2019
Citations	133	99

h-index	7	6
i10-index	7	3

MembershipofProfessionalBodies:

ProfessionalBody	TypeofMembership	PositionHeld
Indian Society for Technical Education (ISTE), New Delhi	Permanent Member Membership No: LM32742	Life Memberinthe Association
Institution of Engineers (India)	Membership number: M-1533783	Member

Place :Madurai

Date: 7-6-2024

SignatureoftheStaff Member