


**PERSONAL DETAILS AND AFFILIATION**

<b>Name of the Faculty Member</b>	Dr.I.Paulkani	
<b>Designation</b>	Assistant Professor	
<b>Department</b>	Electronics and Communication Engineering	
<b>Date of joining the institution</b>	24.08.2020	
<b>Address for Communication</b>	Department of ECE, National Engineering College, K.R. Nagar, Kovilpatti-628 503	
<b>Email ID/webpage ID</b>	<a href="mailto:paulkani-ece@nec.edu.in">paulkani-ece@nec.edu.in</a> <a href="mailto:paulkani64@gmail.com">paulkani64@gmail.com</a> ORCID Webpage : <a href="https://orcid.org/0000-0002-9705-4309">https://orcid.org/0000-0002-9705-4309</a> Scopus Webpage : <a href="https://www.scopus.com/authid/detail.uri?authorId=57203963494">https://www.scopus.com/authid/detail.uri?authorId=57203963494</a> Research Gate ID : <a href="https://www.researchgate.net/profile/Paulkani_Iyampalam">https://www.researchgate.net/profile/Paulkani_Iyampalam</a> Google Scholar: <a href="https://scholar.google.com/citations?user=QCd_sFUAAAAJ&amp;hl=en&amp;authuser=2">https://scholar.google.com/citations?user=QCd_sFUAAAAJ&amp;hl=en&amp;authuser=2</a>	

**EDUCATIONAL QUALIFICATION**

DEGREE	BRANCH	INSTITUTION / UNIVERSITY	YEAR
B.E.	Electronics and communication Engineering	Kings Engineering College, Chennai. Anna University, Chennai.	2014
M.E.	Communication Systems	Mepco Schlenk Engineering College, Sivakasi. Anna University, Chennai.	2016
Ph.D.	Information and Communication Engineering	Anna University, Chennai.	2021

**EXPERIENCE**

S.NO.	NAME OF THE INSTITUTION / ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
					Y	M
1.	National Engineering College, Kovilpatti	Assistant Professor	24.08.2020	Till date		
2.	Mepco Schlenk Engineering College, Sivakasi	Junior Research Fellow	10.08.2016	10.08.2018	02	00

### FUNDED PROJECTS (If any)

S.NO.	TITLE OF THE PROJECT & ROLE	AGENCY	DURATION
1.	Development of Miniaturized Antenna based on Fractal Geometry for Public Protection and Disaster Relief (PPDR) Communication Role : Principal Investigator	Institute of Engineers (India) IEI R & D Gran-in-Aid Scheme for the Doctoral Programme	1 year

### PATENT PUBLISHED (If any)

S.NO	TITLE OF THE INVENTION	NAME OF INVENTOR	APPLICATION No	PUBLICAT ION DATE
1.	Microstrip-fed wideband circular slot fractal antenna	1. I.Paulkani 2. Dr.G.Indumathi	201841013674	27.04.2018

### PUBLICATIONS

#### JOURNALS

1.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>Design of Sierpinski Knopp Inspired Fractal Antenna for Public Safety Applications</b> ” Wireless Personal Communication, Springer publications, 2020. doi:https://doi.org/10.1007/s11277-020-07360-9. (SCI and Scopus indexed)
2.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>Complementary Sierpinski Knopp fractal antenna for emergency management system</b> ” International Journal of Microwave and Wireless Technologies, Cambridge University Press, pp. 1-10, 2020. doi:10.1017/S1759078720000343 (SCI and Scopus indexed)
3.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>Low profile antenna based on a fractal shaped metasurface for public safety applications,</b> ” International Journal of RF and Microwave Computer-Aided Engineering, Wiley publications, pp.1-12, 2019.doi: 10.1002/mmce.22048. (SCI and Scopus indexed)
4.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>Design of inverted-F antenna for long-term evolution-based wireless hand held devices,</b> ” Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 27, pp.3065 - 3076, 2019. doi:10.3906/elk-1809-200. (SCI and Scopus indexed)
5.	Ms.I.Paulkani and Dr.G.Indumathi and Mrs.K.Kavitha, “ <b>Self Complementary Frequency Independent Triple Band Sinuous Antenna Array for Wireless Applications,</b> ” Progress In Electromagnetics Research Letters, Vol. 78, pp. 89-95, 2018. doi:10.2528/PIERL18060603. (Scopus indexed)

## CONFERENCES

1.	Ms.I.Paulkani and Dr.G.Indumathi and Ms. Monisha Privthy Jeba, “ <b>Design of Complementary Split Ring Resonator Integrated Multiband Decagon Fractal Antenna for Emergency Management System,</b> ” presented in <b>AICTE sponsored</b> International Conference on Recent Advancements in Electrical, Electronics and Computer and Communication Engineering (IConRaeece’19), Sivakasi, India during 5 <sup>th</sup> -7 <sup>th</sup> December, 2019.
2.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>A Review of Ultra-Wideband Fractal Antennas,</b> ” Second International Conference on Inventive Communication and Computational Technologies (ICICCT’18), Coimbatore, 2018, pp. 1408-1412.(Scopus indexed)
3.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>Compact Reconfigurable Inverted F/Loop Antenna for Wireless Applications,</b> ” presented in International Conference on Computing Technologies (ICONCT’17), Sivakasi, India during 16 <sup>th</sup> -17 <sup>th</sup> March, 2017.
4.	Ms.I.Paulkani and Dr.G.Indumathi, “ <b>Compact Reconfigurable Wideband Antenna for LTE Applications,</b> ” presented in International Conference on Electronics and Communication Systems (ICECS 2016), Coimbatore, India during 25 <sup>th</sup> -26 <sup>th</sup> February, 2016.

## WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ORGANIZED (If any)

S. NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION	NO. OF PARTICIPANTS	RESPONSIBILITY
1.	One week FDP on Design recruitments and challenges of antenna  Sathyabama Institute of science and technology, Chennai	September 20 <sup>th</sup> - 25 <sup>th</sup> , 2021.		Participant
2.	5G – The Microwave Perspective  Thiagarajar College of Engineering, Madurai	September 10 <sup>th</sup> - 11 <sup>th</sup> , 2021.		Participant
3.	AICTE Sponsored Six days STTP on “Trends and Technologies in Antenna Design and its Research Scopes  Toc H Institute of Science and Technology, Kerala	October 12 <sup>th</sup> - 17 <sup>th</sup> , 2020		Participant
4.	Grant research proposal writing  Coimbatore Institute of Technology, Coimbatore.	13 <sup>th</sup> June 2020		Participant
5.	RF Communication System Design with CAD tools  Mepco Schlenk Engineering College, Sivakasi.	November 20-22, 2019		Participant
6.	Research Scholars Empowerment Programme (RSEP)  Coimbatore Institute of Technology, Coimbatore	October 14-18, 2019		Participant

7.	Micro Electro Mechanical Systems (MEMS) Thiagarajar College of Engineering, Madurai	February 18 -24, 2019.		Participant
8.	CAD of Microwave Integrated Circuits (MIC) NIT, Trichy	June 9 - 10, 2018.		Participant
9.	Refresher Course on Antennas SSN College of Engineering, Chennai.	30 <sup>th</sup> October to 3 <sup>rd</sup> November 2017		Participant
10.	Seminar and Poster Session on Recent Advances in Antenna PSG College of Technology, Coimbatore.	18 <sup>th</sup> August 2017		Participant
11.	Design, Testing, Performance Evaluation & Applications of Microwave antennae 2016 Vishwakarma Institute of Information Technology, Pune, India.	November 21-26, 2016		Participant
12.	Hands on Training on RF circuits & Antenna Design using ADS, Empo and SystemVue Mepco Schlenk Engineering College, Sivakasi.	June 6 <sup>th</sup> -10 <sup>th</sup> , 2016		Participant
13.	Recent trends & Application of Wireless Sensor Network Mepco Schlenk Engineering College, Sivakasi	March 18 <sup>th</sup> & 19 <sup>th</sup> , 2016		Participant
14.	Microwaves Through Software National Institute of Technology, Trichy	November 6 - 7, 2015.		Participant
15.	Trends in RF Circuits and System Design for Wireless Technologies Mepco Schlenk Engineering College, Sivakasi	March 20 <sup>th</sup> & 21 <sup>st</sup> , 2015.		Participant

#### INDUSTRY TRAINING PROGRAMMES ATTENDED (If any)

S.NO .	NAME OF THE PROGRAMME	NAME OF THE INDUSTRY	DATES WITH DURATION
1	Electromagnetic and simulation using HFSS	Entuple Technologies, Bangalore	Sep 14, 2021 - Oct 17, 2021

Guest lecture delivered	Duration
* Lecture on “ <b>Hands on Session using ADS for RF circuits &amp; Antenna Design</b> ” in one week Faculty Development Programme on “Hands on Training on RF circuits & Antenna Design using ADS, Empro and SystemVue” at Mepco Schlenk Engineering College, Sivakasi.	10 <sup>th</sup> June 2016

#### MEMBERSHIP DETAILS

Institute of Engineers (India) - Membership No.AM187464-3