

PERSONAL DETAILS AND AFFILIATION	
Name of the Faculty Member	C.Balamurugan
Present Designation	Associate Professor
Department	ECE
Date of joining in present institution	19.05.2008
Address for Communication	2/114a North Street, Kongangulam Village, Alangulam Post, Virudhunagar Dt
Email ID	<a href="mailto:bala.me08@gmail.com">bala.me08@gmail.com</a> <a href="mailto:balamurugan@nec.edu.in">balamurugan@nec.edu.in</a>
Contact number	9952279078



Experience						
S.No.	Name of the Institution / Organization	Position Held	From	To	Experience	
					Y	M
1	National Engineering College	Associate Professor	03.05.2023	Till date	0	2
1	National Engineering College	Asst. Prof (SG)	10.07.2013	31.05.2023	09	10
2	National Engineering College	Asst. Prof	1.11.2011	09.07.2013	1	7
3	National Engineering College	Lecturer	19.05.2008	31.10.2011	3	5
Total Experience					15 Years	

### Educational Qualification

QUALIFICATION	NAME OF THE INSTITUTION	BOARD OF STUDY	YEAR OF PASSING
SSLC	Govt. Hr. Sec. School	State Board	2000
HSC	Govt. Hr. Sec. School	State Board	2002
B.E. (ECE)	PSR Engineering College	Anna University	2006
M.E./M.Tech.	National Engineering College	Anna University	2008
Ph.D (Information and Communication Engineering)	Anna University, Chennai	Anna University, Chennai	2022

## RESEARCH EXPERIENCE

LIST OF INTERNATIONAL JOURNAL	
1	<b>C.Balamurugan</b> , Dr.P.Marichamy, Dr.R.Harichadran Effect of h-BN Nanoceramic Substrate on the performance of patch antenna in S-Band applications, International Journal of RF and Microwave Computer-Aided Engineering (Feb-2020) ( <b>SCI indexed -impact factor 1.467</b> ) DOI: 10.1002/mmce.22098
2	<b>C.Balamurugan</b> , Dr.P.Marichamy. Multiband Microstrip patch antenna for X band and C band applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields (May- 2021) ( <b>SCI-indexed- impact factor – 0.833</b> )
3	<b>C.Balamurugan</b> , Dr.P.Marichamy, Dr.R.Harichadran. Performance Comparison of Microstrip Patch Antenna Using h-BN Nanoceramic Substrate and FR4 Substrate. Wireless Personal Communication (June-2021) ( <b>SCI indexed -impact factor 1.061</b> )
4	<b>C.Balamurugan</b> , Dr.P.Marichamy, Dr.T.S.Arun Samuel. Design and Fabrication of Compact Triangular Multiband Microstrip Patch Antenna for C and X Band Applications. International Journal of Communication systems. DOI: <a href="https://doi.org/10.1002/dac.4939">https://doi.org/10.1002/dac.4939</a> (Aug-2021) ( <b>SCI indexed -impact factor 2.047</b> )

## INTERNATIONAL CONFERENCES

- Sudhakar J, Dinakar Vignesh G, Hariji M.P, Aasif Mohammed M.B, C.Balamurugan, R.Harichandran, “**Design of Compact Wideband Antenna for WiFi 6E and WiMAX Applications**”, International Conference on Emerging Technologies and Applications for Smart and Sustainable World, 16<sup>th</sup> to 18<sup>th</sup> Dec 2021.
- B.Nivetha, C.Balamurugan, “**User Detection in ISM band**”, International conference on Wireless Smart System Technology, 2017.
- G.Vigneshwari, C.Balamurugan “**Implementation of Embedding text in audio signal using TMS 320C6713 Processor**”, International Conference on Research vogues in Information and communication Technologies,2015.
- D.Vijayarohini, C.Balamurugan “**Autonomous Ambient Navigation Intelligent Car**”, 1<sup>st</sup> International Conference on Research Vogues in Information and CommunicationTechnologies, Vol 1.No.1,February-2014.

## PATENT FILED/PUBLISHED

Sivaramakrishnan S R, Prakash G, Dinesh Jeffereson E, Nissan Prabhu N, Mohamed Meeran S, **Balamurugan C**, Harahara Sakthi Sudhan P, An Apparatus for Injecting Plant Germinating Members, Application Number: 202141060653, Filed Date: 24.12.2021; Publication Date: 07.01.2022.

Mr. Melchisedec Samuel P, Stephen S.Billigraham, Aasif Mohammed M.B, Sudhakar J, Micheal Thomas Rex F, **Balamurugan C**, IoT based drip level indication system, Application Number: 202241007608, Filed Date: 14-2-2022; Publication Date: 18-2-2022.

## WORKSHOP/ SEMINAR ORGANIZED

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ORGANIZED				
S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION	NO. OF PARTICIPANTS	RESPONSIBILITY
1	IEEE Madras Chapter Sponsored-Seminar on Antenna	18 <sup>th</sup> Oct 2014	20	Coordinator
2	IEEE sponsored two days workshop on “Computational electromagnetics to RF and Microwave components – Practical Aspects”, National Engineering College, Kovilpatti	01 <sup>st</sup> – 02 <sup>nd</sup> Aug. 2016	17	Coordinator & Speaker
3	A Two Days Workshop on PCB/Antenna Design and Fabrication, National Engineering College, Kovilpatti	16 <sup>th</sup> September & 17 <sup>th</sup> September 2022	76	Coordinator & Speaker
4	Hands on training program on Design Simulation and Fabrication of Microstrip Patch Antenna for 5GHz. National Engineering College, Kovilpatti	03.03.2023	45	Speaker

## NPTEL Course Participated

NPTEL Course participated				
S.NO.	NAME OF THE COURSE	DURATION	NO. OF PARTICIPANTS	GRADE
1	Principles of Communication system –Part II- Prof. Aditya K. Jagannatham, IIT Kanpur	8 WEEK	JULY – OCT 2019	ELITE
2	Introduction to Wireless and Cellular Communication – Prof.David Kovilpillai IIT Madras	12 WEEK	JUNE – NOV 2018	ELITE
3	Introduction to Research	8 WEEK	FEB – APRIL 2016	ELITE

**WORKSHOP/ SEMINAR/FDP ATTENDED**

<b>WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED</b>				
<b>S.NO.</b>	<b>NAME OF THE PROGRAMME &amp; VENUE</b>	<b>DATES WITH DURATION</b>	<b>NO. OF PARTICIPANTS</b>	<b>RESPONSIBILITY</b>
1	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Wireless Communication Technologies"	21.06.2022 to 23.06.2022	60	Participant
2	CEP on 5G technologies during 14 <sup>th</sup> may to 18 <sup>th</sup> may -2018 at NIT Warangal, Telungana	14 <sup>th</sup> may to 18 <sup>th</sup> may - 2018	50	Participant
3	MHRD sponsored GIAN course on Advanced Wireless Communication Technologies: PHY layer Perspective.	12-12-2016 to 17-12-2016	60	Participant
4	ISTE sponsored Short Term Training Program (STTP) on "Recent Trends and Research issues in Wireless Communication"	3.8.15 to 8.8.15	30	Participant
5	One day seminar on "Technology Enhanced Learning" –NPTEL.	March,2015	100	Participant
6	Two week faculty development program on Fiber Based and Wireless Optical Networks, National Engineering College.	December-2009	30	Participant
7	Two day Workshop on "Image Processing Application Using DSP Processors", National Engineering College.	September-2009	30	Participant
8	One week faculty development program on "Advances in RF, Wireless Systems and Antennas", National Engineering College.	July, 2009	30	Participant