

**Name of Faculty:** Dr.V.Nandalal

**Designation:** Associate Professor

**Department:** Electronics and Communication Engineering

**Institution:** Sri Krishna College of Engineering and Technology

BK Pudur, Sugunapuram East, Kuniyamuthur, Tamil Nadu 641008

**Date of Birth:** 03.12.1981

**Residential Address:** 21, NVS Garden villas, Othakalmandapam, Coimbatore-32.

**Mobile Number:** 8807804392

**Email-Id:** nandalalskcet@gmail.com

**Area of Specialization:** Communication

**Total Years of Experience:** 15 Years 2 Months

### **Research Publications:**

#### **INTERNATIONAL JOURNALS:**

1. V.Nandalal, "Design and Analysis of (5, 10) Regular LPDC Encoder Using MRP Technique" Published in "**Wireless Personal Communications**" Published online-January-2021. (DOI: <https://doi.org/10.1007/s11277-021-08075-1>) (Scopus-WoS Indexed- Journal)
2. V.Nandalal, "An Intelligent cross layer Security based fuzzy trust calculation mechanism for Securing Wireless sensor networks" Published in "**Journal of Ambient Intelligence and Humanized Computing**", Published online-March-2020 (DOI 10.1007/s12652-020-01834-1) (Scopus-WoS Indexed- Journal)
3. V.Nandalal, "A Novel Reconfigurable Microstrip Patch Antenna using PIN Diode" Published in "**International Journal of Innovative Technology and Exploring Engineering**", Vol:9, Issue: 5, pp.2013-2017, March-2020. (Scopus Indexed)
4. V.Nandalal, "Better Security Aware D2D Transmission Protocol With Optimal Relay Assignment Algorithm (ORAA)" Published in "**International Journal of Engineering and Advanced Technology**", Vol: 8, Issue: 6S, pp.172-176, August-2019. (Scopus Indexed)
5. V.Nandalal, "A Singular Value Decomposition Based Low-Computational Zero Water Mark Algorithm for Digital Right Management" Published in "**International Journal of Engineering and Advanced Technology**", Vol: 8, Issue: 6S, pp.51-56, August -2019. (Scopus-Indexed)
6. V.Nandalal, "Wave Pipelined Area Efficient LPDC coder" Published in "**International Journal of Engineering and Advanced Technology**", Vol: 8, Issue: 16, pp.50-53, August-2019. (Scopus Indexed)
7. V.Nandalal, "Design and Analysis of Linear Tapered Slot Antenna for Super High frequency Applications" Published in "**International Journal of Innovative Technology and Exploring Engineering**", Vol:10, Issue: 10, pp.1-4, July-2019. (Scopus Indexed)

8. V.Nandalal, "Trust Aware Energy Efficient Clustering for Secure Packet Transmission in Wireless Sensor Networks" Published in "**International Journal of Science and Technology**", Vol: 12,Issue:23, pp.1-8,June-2019.(**Web of Science Indexed**)
- 9.V.Nandalal, "Performance Evolution of Reconfigurable Antenna using contact and non contact feeding techniques" Published in "**IEEE Xplore**", ISBN:978-1-7281-0167-5,pp.952-954, June-2019.(**Scopus Indexed**)
10. V.Nandalal,"A Survey on Despeckling Filters for Speckle Noise Removal in Ultrasound Images" Published in "**IEEE Xplore**", ISBN:978-1-7281-0167-5,pp.605-609, June-2019.(**Scopus Indexed**)
11. V.Nandalal,"A Detailed Study on Reconfigurable Circular Patch Antenna" Published in "**International Journal of Pure and Applied Mathematics**", Vol:119,Issue:12,pp.1545-1553, June-2018.(**Scopus Indexed**)
- 12.V.Nandalal, "A Comprehensive study on Encoding Techniques in Low density Parity Check codes" Published in "**Journal of Advanced Research in Dynamic Control Systems**",Vol:119,Issue:12,pp.-455-458,June-2018.(**ScopusIndexed**)
- 13.V.Nandalal,"Comprehensive Survey on Content Based Image Retrieval Framework for Data" Published in "**International Journal Advanced Research Trends in Engineering and Technology**",Vol:04.Issue:7,pp.14-32,July-2017.
- 14.V.Nandalal,"Performance Measure of Ultra Wide Band Antenna for Hexagonal and Rectangular shape Wearable Application" ,Published in "**Asian Journal of Applied Science and Technology**",Vol:03.Issue:1,April-2017.
- 15.V.Nandalal,"A New Quadri Polarization Reconfigurable Circular Patch Antenna", Published in "**Asian Journal of Applied Science and Technology**", Vol:01.Issue:3,April-2017.
- 16.V.Nandalal, "Visible Light Communication using Multiuser MIMO Networks" , **International Journal Advanced Research Trends in Engineering and Technology**",Vol:04.Issue:7, March-2017.
- 17.V.Nandalal,"Performance Evaluation of Reconfigurable Circular Patch Antenna" **International Journal Advanced Research Trends in Engineering and Technology**", Vol:04.Issue:7,March-2017.
- 18.V.Nandalal,"Power Optimization in OFDM Networks using various Peak to average Power Ratio Techniques", "**Asian Journal of Applied Science and Technology**", Vol:01.Issue:2, March-2017.
- 19.V.Nandalal,"Design of a High Directive Gain Reconfigurable Circular Patch Antenna", Published in "**Asian Journal of Applied Science and Technology**", Vol:01.Issue:2,March-2017.

20.V.Nandalal,Sivappuraja,“BER and PAPRR eduction of OFD Musing New Companding Techniques” Published in “**International Journal Advanced Research Trends in Engineering and Technology**”,Vol:03.Issue:1,March-2016.

## **PUBLICATION IN CONFERENCES**

### **INTERNATIONAL CONFERENCES:**

1. V.Nandalal, “Raspberry Pi based Smart Library for Visually Challenge Citizens” Published in the Proceedings of IEEE International Conference on IoT on Social, Mobile, Analytics and Cloud, October-2020.(**IEEE Xplore**)(**Scopus Indexed**)
2. V.Nandalal,“Better Security aware D2D transmission protocol with optimal relay assignment algorithm” Published in the Proceedings of Springer International Conference on Intelligent Computing and Smart Communication Technologies,July-2019.
- 3.V.Nandalal,“Performance Evolution of Reconfigurable Antenna Using Contact and Non-Contact Feeding Technique” Published in the Proceedings of Third International Conference on Electronics Communication and Aerospace Technology [ICECA 2019], June-2019.
4. V.Nandalal, “A Survey on Despeckling Filters for Speckle Noise Removal in Ultrasound Images” Published in the Proceedings of Third International Conference on Electronics Communication and Aerospace Technology [ICECA 2019], June-2019.
- 5.V.Nandalal,“Design and Study of Reconfigurable Circular patch Antenna” Published in the Proceedings of International Conference of Recent Advances in Engineering and Technologies, December, 2017.
- 6.V.Nandalal,“Authentic Conventional Grinder” Published in the Proceedings of International Conference of Recent Advances in Engineering and Technologies, December,2017.

### **NATIONALCONFERENCES:**

- 1.Sivappuraja,V.Nandalal,“BER and PAPR reduction of OFD Musing new companding techniques” in International journal Advanced Research trends in Engineering and Technology, vol3, Issue1, Mar2016, ISSN:2394-3785.