

## MUNIYAPPAN ANNAMALAI

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### PROFILE SNAPSHOT

- 7 years of research experience in computer science
- Expertise in Wireless Networks, Internet of Things, and 4G/5G.
- Published 4 articles in peer reviewed journals

### EDUCATION

<b>2016-2023</b>	<b>Ph.D. in Computer Science Bharathiar University, Tamil Nadu, India</b>
<b>2014-2016</b>	<b>M.Sc. in Computer Science Bharathiar University, Tamil Nadu, India (70%)</b>
<b>2013-2014</b>	<b>B.Ed. in Computer Science Royal College of Education, Krishnagiri, Tamil Nadu, India (70%)</b>
<b>2010-2013</b>	<b>B. Sc.in Computer Science Sri Vidya Mandir Arts &amp; Science College, Uthangarai, Krishnagiri, Tamil Nadu, India (72 %)</b>

### RESEARCH EXPERIENCE

<b>2020-2022</b>	<b>Junior Research Fellow (JRF), Bharathiar University, Coimbatore.</b>
<b>2023</b>	<b>Senior Research Fellow (SRF), Bharathiar University, Coimbatore.</b>

- Delay constrained Wireless Network applications,
- MATLAB simulation of various existing LTE /Wi-Fi signals optimization algorithms.

### LIST OF PUBLICATIONS

1. Muniyappan, A., Pankajavalli, P. B, Enhancement of opportunistic co-occurrence of U-LTE and Wi-Fi/IoT in 5GHz using cognitive radio. International Journal of Innovative Technology and Exploring Engineering, 8(11), p. 25-31, 2019.

2. Muniyappan, A., Pankajavalli, P. B, Enhanced grant-less multiple sub frame scheduled uplink transmission for enhancement on U-LTE-Wi-Fi/IoT through cognitive radio. NVEO-Natural Volatiles & Essential Oils Journal, 8(6), p. 1333-1347, 2021.
3. Muniyappan. A, Pankajavalli. P.B, QoS-aware resource allocation with enhanced uplink transfer for U-LTE-Wi-Fi/IoT using Cognitive Network, Computational Intelligence for Engineering and Management Applications, p. 501-520, 2023.
4. Muniyappan, A., Pankajavalli, P. B, Spectrum-efficient user and QoS-aware resource allocation with enhanced uplink transmission in U-LTE networks co-occurrence with Wi-Fi by CRN, IEEE Access, p.57295-57304, 2023.

### **INTERNATIONAL AND NATIONAL CONFERENCES**

1. Muniyappan. A, Pankajavalli P.B, presented entitled onInternet of Things Based Smart Environment Monitoring System: A Review, International conference on science, Technology &Management, organised by Institution of Electronics and Telecommunication Engineers, Bengaluru, 24th September 2017.
2. Muniyappan. A, Pankajavalli. P.B, presented entitled onA System for Monitoring the Electricity Substation using Internet of Things, International conference on intelligent computing and technology, organized by Sri Ramakrishna College of Arts and Science, Coimbatore, 8th December 2017.
3. Muniyappan. A, Pankajavalli. P.B, presented entitled onA Review on resource allocation with downlink and uplink for U-LTE & Wi-Fi/IoT using cognitive network, International Conference on Advanced Computing, organized by Department of Computer Science, Bharathiar University, Coimbatore, 03-04 March 2022.
4. Muniyappan. A, Pankajavalli. P.B, presented entitled onQoS-aware Resource Allocation with Enhanced Uplink Transfer for U-LTE-Wi-Fi/IoT using Cognitive Network, International Conference on Computational Intelligence for Engineering and Management Applications (CIEMA), organized by Regional Association for Security and Crisis Management, Serbia, 26-27, March 2022.
5. Muniyappan. A, Pankajavalli. P.B, presented entitled on A Review on Resource allocation with 4G and 5G for U-LTE & Wi-Fi/IoT using Cognitive Network, International Conference on Advanced Computing, organized by Department of Computer Science, Bharathiar University, Coimbatore. 02-03, March 2023.

6. Muniyappan. A, Pankajavalli. P.B, presented entitled on Co-occurrence of U-LTE with Wi-Fi using Cognitive Radio Network: A Review National Conference on Advanced Computing (NCAC-2019) organized by Department of Computer Science, Bharathiar University, Coimbatore.

#### **PARTICIPATION IN NATIONAL LEVEL SEMINARS AND WORKSHOPS**

- ✓ Participated in “Short Term Course Under Quality Improvement Programme on INTERNET OF THINGS” organized by Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore, from 01.03.2017 – 07.03.2017.
- ✓ Participated in “One day Seminar on Future of Mobile Technologies and Artificial Intelligence (SFMTAI 17)” organized by Department of Computer Science, Bharathiar University, Coimbatore, from 15.12,2017.
- ✓ Participated in “A Five -Day Continuing Education Programme on 5G TECHNOLOGIES” organized by Department of Electronics and Communication Engineering, National Institute of Technology, Warangal, from 14.05.2018-18.05.2018.
- ✓ Participated in “A Five -Days Short Term Program on IPV6 Networking Fundamentals” organized by department of Information Technology, National Institute of Technology Karnataka, Mangalore, from 27.08.2018-31.08.2018.
- ✓ Participated in “Faculty Development Programme on Machine Learning” organized by Department of Computer Science, Bharathiar University, Coimbatore, from 30.01.2019-1.02.2019.
- ✓ Participated in “Embedded System and Wireless Sensor Networks for IoT” organized by Skill Development Centre, BEICH-RUSA 2.0, Bharathiar University, Coimbatore, from 11.01.2021-23.01-2021.