




<u>Department of Electronics and Communication Engineering</u>				
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DESIGNATION	Assistant Professor			
QUALIFICATION	B.E.,M.E.,(Ph.D)			
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EXPERIENCE	INDUSTRY	TEACHING	TOTAL	
	2 YEARS 7 MONTHS	18 YEARS 6 MONTHS	20 YEARS 1 MONTHS	
DATE OF JOINING THE INSTITUTION	29.01.2007			
RESEARCH FOCUS	COGNITIVE RADIO NETWORKS			
SUBJECT COMPETENCY	1.DIGITAL ELECTRONICS AND CIRCUITS			
	2. ANALOG CIRCUITS			
	3.MICROPROCESSOR AND MICRO CONTROLLER			
	4.EMBEDDED SYSTEMS			
	5. LINEAR INTEGRATED CIRCUITS			
NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL)	09			
NO OF CONFERENCE ATTENDED	03			

(INTERNATIONAL/NATIONAL)	
NO OF BOOKS PUBLISHED	01

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	ECE	Madurai Kamaraj University	2004
PG	ME	Communication Systems	Anna University Tirunelvel	2010
Ph.D	Pursuing			

Details of Journal Publication:

1. **R.AbdulSikkandhar & Arulraj, M. , “An Energy-Efficient Spectrum-Sharing Optimization Framework in the Cognitive Radio Network Based on the GarraRufa Fish Optimization Algorithm and Binary Jaya Algorithm”, IETE Journal of Research, 70(9), 7112–7120, 2024, <https://doi.org/10.1080/03772063.2024.2353347>.**
2. **Abdul Sikkandhar, R., & Merline, A “UAVs Revolutionizing Efficiency: Integrating DRL and Random Walrus for Enhanced Energy and Spectral Resource Management”, IETE Journal of Research, 71(1), 359–371, 2024, <https://doi.org/10.1080/03772063.2024.2397455>.**
3. **R.AbdulSikkandhar, et al. "Design of spider web spaced antenna for medical applications" AIP Conference Proceedings. Vol. 2518. No. 1. AIP Publishing, 2022.**
4. **R.AbdulSikkandhar, “Energy efficient distance based clustering protocol for wireless sensor networks”, International journal of applied engineering research, vol.10, no.28, 2015.**
5. **R.AbdulSikkandar,“Performance analysis of Gaussian minimum shift keying (GMSK) with error control codes in wireless sensor networks”, International journal of computer science and information technologies, vol.(5)3, no.4292-4296, 2014.**
6. **R.AbdulSikkandar, “A survey on energy efficient clustering protocols for wireless sensor network”, International journal on computer science and mobile computing, vol.3, no.1158-1163, May 2014.**
7. **R.AbdulSikkandhar,” WCA for energy saving cluster head election in QoS enhanced base station controlled dynamic clustering protocol”, vol. 1, no.1, IJEEET,October 2012.**

8. **R.AbdulSikkandhar**, "A Review on energy efficient modulation and coding techniques for clustered wireless sensor networks", vol. 2, issue 2, IJARCET, Feb 2013.
9. **R.AbdulSikkandhar**, "A Survey on efficient modulation and coding techniques for wireless sensor networks", vol. 4, no. 1, JGRCS, Jan 2013.

Details of Conference attended:

1. ICOANN'10, ALAGAPPA UNIVERSITY, "SYNTHESIZATION OF NANO Ni_Co_Ce FERRITE CERAMICS AND THEIR DIELECTRIC STUDY FOR GAS SENSOR", MARCH (1-3), 2010
2. ICEJ-2017, "A low cost sensor network for real time monitoring and contamination detection in drinking water distribution" 24th March 2017.
3. ICCVBIC 2018, "Review on Spectrum Sharing Approaches based on Fuzzy and Machine learning Techniques in Cognitive Radio Networks" NOVEMBER (29&30).

Details of Book Publication:

1. 1. Sheik Dawood, M.; Karthika Devi, R.; Abdul Sikkandar, R.; Professional Ethics, 2010.