

Dr. J. SIVASANKARI, M.E., Ph.D

Assistant Professor II/ ECE

Velammal College of Engineering and Technology, Madurai

jss@vcet.ac.in**Educational Qualification:**

	Degree	Year	Subject	University/Institution	%/OGPA
1.	Ph.D	2020	Collaborative Compressive sensing in Cognitive Radio Networks	Anna University	-
2.	M.E	2011	Communication Systems	Anna University Tirunelveli	8.63 (FWD)
3.	B.E	2008	Electronics and Communication Engineering	Annamalai university	9.07 (FWD)
4.	HSC	2004	S.D.A Matric Hr.Sec. School, Madurai	State Board	92.9 %
5.	SSLC	2002	Venus Matric Hr.Sec.School, Chidambaram	Matriculation Board	83%

Experience in Years: 13 Years 3 Months**Employment History:**

S.No.	Positions held	Name of the Institute	From	To
1.	Assistant Professor II	Velammal College of Engineering and Technology, Madurai	15.09.2022	Till date
2.	Associate Professor	Mangayarkarasi College of Engineering, Madurai	15.06.2022	14.09.2022
3.	Associate Professor	Ultra College of Engineering and Technology, Madurai	01.09.2020	30.05.2022
4.	Assistant Professor (Senior Grade)	Ultra College of Engineering and Technology, Madurai	01.05.2016	31.08.2020
5.	Assistant Professor	Ultra College of Engineering and Technology, Madurai	01.07.2011	31.08.2020
6.	Lecturer	Ultra College of Engineering and Technology, Madurai	01.06.2009	30.06.2011
7.	Teaching Assistant	Velammal College of Engineering and Technology, Madurai	25.09.2008	23.05.2009

Interested Research Areas: Cognitive Radio Networks, Compressive Sensing, DLNN**Ph.D Supervisor :****Anna University Supervisor recognition Ref.No: 3840020**

(Under Faculty of Information and Communication Engineering)

List of Publications:

International Journals:

1. “QoS Analysis for Cloud-Based IoT Data Using Multicriteria-Based Optimization Approach” Computational Intelligence and Neuroscience, Volume 2022, Article ID 7255913, Doi.org/10.1155/2022/7255913,(SCI Indexed).
2. “Securing Privacy Using Optimization and Statistical Models in Cognitive Radio Networks”, Computer Science and Engineering, vol. 42, no.2, pp. 523–533, 2022,Doi.org/10.32604/csse.2022.021433, (SCI Indexed).
3. “Hybrid Optimized Secure Cooperative Spectrum Sensing for Cognitive Radio Networks”, Wireless Personal Communication, 124, 1209–1227 (2022),Doi.org/10.1007/s11277-021-09402-2, (SCI Indexed).
4. “An Efficient Adaptive Threshold-Based Dragonfly Optimization Model For Cooperative Spectrum Sensing In Cognitive Radio Networks”, International journal of communication systems, Wiley, Vol. No. 34, Issue No. 10, DOI:10.1002/dac.4829, ISSN: 1099-1131, Impact Factor: 1.31. (SCI Indexed)
5. “A novel linear SVM-based Compressive Collaborative Spectrum Sensing (CCSS) scheme for IoT cognitive 5G network”, Soft Computing, vol. 23, no. 18, pp. 8515-8523, Available From: <<https://doi.org/10.1007/s00500-019-04097-x>>, Impact Factor: 2.784, ISSN: 1432-7643 (Print) 1433-7479 (Online), (SCI Indexed)
6. “Enhancing Energy Efficiency using Massive MIMO Technique Applicable for Next Generation Networks”, has been published in International Journal of Emerging Trends and Technology, ISSN: 2231 – 5381,(Impact factor -1.656)(Scopus).
7. “A Novel Technique for Enhancing Overall Network Efficiency Using Cognitive Radio”, has been published in Special issue on Innovations in information Embedded and Communication Systems , Pp. 160 - 165 (2016), (Pak. J. Technol. Vol-13), ISSN:18121837(Scopus).
8. “P-QBMC: Path Allocation Using Multihop Cognitive Radio for Adhoc Networks” has been published in International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) at Volume-3 Issue-3 on February 28, 2015.
9. “Transceiver Design for processing of 5G Cellular Signals” has been published in International Journal of Advanced Information Science and Technology (IJAIST) in the vol.34, No.34, February 2015 ISSN: 2319:2682
10. “Despeckling of Optically fused SAR Images via PCA Domain Analysis and Enhancement using Genetic Algorithm” has been published in International Journal of Advanced Information Science and Technology (IJAIST) in the vol.34, No.34, February 2015 ISSN: 2319:2682.
11. “Effective Anonymous Approach for Implementing RFID Reciprocated Endorsement Protocol” has been published in International Journal of Engineering and Advanced Technology at Volume-3 Issue-3 on February 28, 2014(Scopus).

- “Despeckling of SAR Images Based on Bayes- Shrinkage Thresholding in Shearlet Domain” has been published in International Journal of Innovative Research in Science, Engineering and Technology at Volume-3 Issue-3 on March, 2014.

Patent Details:

Title : Modeling of Quality of Service Parameters in Clouds Using Genetic Algorithm,
Application No: 202141025212A **Patent No :** 48333 **Published on :** 25/06/2021

Book Publication:

S.NO	Book Name	Publisher	ISBN Number
1.	Cognitive Radio	Lakshmi Publications	978-93-83103-29-4

International Conference:

- “Optimization of Massive MIMO-OFDM Systems for PAPR reduction” in the International Conference on Research Advancements & Challenges in Engineering Sciences(ICRACE’20) during 06th- 07th March 2020, by Velammal Institute of Technology, Chennai.
- “Concurrent Transmission of DTV and xG Signals using Smart TV with CR-ATSC3.0 Standard” in International Conference on Artificial Intelligence, Smart Grid and Smart City Applications (AISGSC - 2019), during 3-5 January 2019 organized by PSG College of Technology, Coimbatore.
- “ Mitigating Multiple Attacks in Cognitive Radio Networks” in International Conference on Cognitive Computing & Intelligence Systems during December 2018 at Aadhi College of Engineering, Chennai.
- “ Wireless Terrestrial Broadcasting using Cognitive Radio-ATSC 3.0 Standard” in International Conference on Advanced Information and Communication Technology'18 during 08-09 March 2018, Karpagam College of Engineering, Coimbatore.
- “ A Novel Technique For Enhancing Overall Network Efficiency Using Cognitive Radio “in IEEE Sponsored 3rd International Conference on Innovations in Information, Embedded and Communication Systems(ICIIIECS’16) on 17th & 18th March 2016 organized by Department of ECE, Karpagam College of Engineering, Coimbatore, TamilNadu.
- “Transceiver Design for processing of 5G Cellular Signals” in 2nd International conference on VLSI Computation, Networking, Drives, Image Processing & System Design on 26th March 2015 organized by Sethu Institute of Technology, Pullor, Virudhunagar.
- “Despeckling of Optically fused SAR Images via PCA Domain Analysis and Enhancement using Genetic Algorithm” in 2nd International

conference on VLSI Computation, Networking, Drives, Image Processing & System Design on 26th March 2015 organized by Sethu Institute of Technology, Pullor, Virudhunagar.

8. “Despeckling of SAR Images Based on Bayes- Shrinkage Thresholding in Shearlet Domain” in 2014 IEEE International Conference on Innovations in Engineering and Technology (ICIET’14) on 21st & 22nd March Organized by K.L.N. College of Engineering, Madurai, Tamil Nadu, India.


National Conference:

1. “ P-QBMC: Path Allocation Using Multihop Cognitive Radio for Adhoc Networks” in Fifth National conference on Recent Trends in Computing, communication and Technology on 27th March 2015 organized by P.S.R Engineering College, Sivakasi.
2. “Despeckling of SAR Image using Adaptive Curve Fitting Approximation in Curvelet Domain” on Fourth National Conference on Signal Processing and communication technologies-CSPCT’11 on 26 March 2011 Organized by Kamaraj College of Engineering, Madurai, Tamil Nadu, India.

Membership Details: Life Member in ISTE

Google Scholar Web page:

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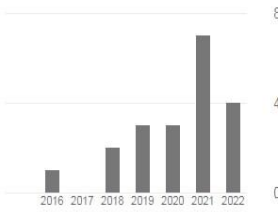
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 Associate Professor, ECE
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TITLE	CITED BY	YEAR
A novel linear SVM-based compressive collaborative spectrum sensing (CCSS) scheme for IoT cognitive 5G network S Jothiraj, S Balu Soft Computing 23 (18), 8515-8523	10	2019
Enhancing energy efficiency using massive MIMO technique applicable for next generation networks J Sivasankari, B Sridevi International Journal of Engineering Trends and Technology (IJETT)	4	2017
Despeckling of SAR Images Based on Bayes Shrinkage Thresholding in Shearlet Domain J Sivasankari, MM Ashlin, T Janani, DF Shahin International Journal of Innovative Research in Science, Engineering and ...	4	2014
An efficient adaptive threshold-based dragonfly optimization model for cooperative spectrum sensing in cognitive radio networks S Jothiraj, S Balu, N Rangaraj International Journal of Communication Systems 34 (10), e4829	2	2021



Year	Citations
2016	1
2017	2
2018	3
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