

FACULTY PROFILE



Dr.K.Sakthidasan @ Sankaran, M.E, Ph.D

Professor, ECE

Office: PG Block G F, Room # 009

☎ : +91-44-27474262/395 Extn : 137

📠 : +91-8056490436 / 8825169115

✉ : ksakthid@hindustanuniv.ac.in

EXPERIENCE:14.8 Years

RESEARCH AREA INTEREST:

- Artificial Intelligence
- Machine Learning
- Artificial Neural Networks
- Image Processing
- Sensor Networks
- Wireless Communication and
- Antenna Design.

LIST OF AWARDS RECEIVED

1. Recipient of the "**BEST FACULTY AWARD - 2019**" from Hindustan Institute of Technology and Science, Chennai for exemplary performance in teaching, research, and administration for the academic year 2018-2019 during the Teachers Day Celebration on 09th September 2019.
2. Recipient of the "**BEST FACULTY AWARD - 2017**" in 6th National Summit on "Education, Employability, Employment, Entrepreneurship (4E's)" held at the IIT-Madras, Chennai on 20th & 21st September, 2017.
3. Recipient of the **PROFESSIONAL ACHIEVEMENT RECOGNITION** certificate at IEEE Day for the IEEE Madras Section Member Achievements -2017 held on 28th Oct 2017.

LIST OF PATENTS

TOTAL NO OF PATENTS: 03

Indian Patent – 01 International Patent : 03

INDIAN PATENT

- | | | |
|---------------------------|---|--|
| 1. Title of the Invention | : | Secured Intelligent Vehicular Systems Using Wireless SensorNetworks. |
| Application No. | : | 202041034715 A |
| Publication Date | : | 04.09.2020 |
| Status | : | Published |

INTERNATIONAL PATENT

- | | | |
|---------------------------|---|---|
| 1. Title of the Invention | : | Design and Implementation of a Disaster Management System Using IoT and CloudComputing techniques for a connected buildings to save lives with early warnings |
| Patent No. | : | 2020101867 |
| Publication Date | : | 09.09.2020 |
| Status | : | Received Certificate of Grant |
| 2. Title of the Invention | : | Maximum Power Point Trackable and Optimized IoT based PV Charge Controller usingMachine Learning |
| Patent No. | : | 2020102231 |
| Publication Date | : | 14.10.2020 |
| Status | : | Received Certificate of Grant |
| 3. Title of the Invention | : | Intuitionistic Fuzzy Based Deep Learning Model for Visual Interpretation of Low Dose X-Ray Image |
| Patent No. | : | 2020103673 |
| Publication Date | : | 20.01.2021 |
| Status | : | Received Certificate of Grant |

LIST OF PUBLICATIONS

CITATION: 237

H-INDEX: 10

i Number of International Journal Publications – 76

1. **K.Sakthidasan @ Sankaran**, Xiao-ZhiGao, K.R.Devabalaji and Y.MohanaRoopa. “Energy based random repeat trust computation approach and Reliable Fuzzy and Heuristic Ant Colony mechanism for improving QoS in WSN”, *Elsevier – Energy Reports*, Available Online, DOI: <https://doi.org/10.1016/j.egyr.2021.08.121>(Impact Factor :6.87)

2. **K.Sakthidasan Sankaran**, and Xiao-ZhiGao. "An iterative scheme for optimal and energy effective power allocation using multi-scale resource GOA-EM in distributed antenna system", *Journal of Intelligent and Fuzzy System*, Vol. 41, No.1, pp. 2061–2072, DOI:10.3233/JIFS-210727(**Impact Factor :1.851**)

3. **K.Sakthidasan Sankaran**, M.Thangapandiyan and N.Vasudevan. "Brain tumor grade identification using deep Elman neural network with adaptive fuzzy clustering-based segmentation approach", *Springer – Multimedia Tools and Applications*, 2021, DOI:https://doi.org/10.1007/s11042-021-10873-5(**Impact Factor :3.313**)

4. S.Prabha, **K.Sakthidasan @ Sankaran**, D.Chitradevi. "Efficient Optimization based Thresholding Technique for Analysis of Alzheimer MR Images", *International Journal of Neuroscience*,2021, DOI:https://doi.org/10.1080/00207454.2021.1901696(**Impact Factor-2.107**)

5. **K. Sakthidasan Sankaran**, N. Vasudevan, K.R. Devabalaji, ThanikantiSudhakarBabu, Hassan HaesAlhelou, T Yuvaraj, "A Recurrent Reward Based Learning Technique for Secure Neighbor Selection in Mobile AD-HOC Networks", *IEEE Access*, vol.9, pp.21735-21745, 2021, DOI: 10.1109/ACCESS.2021.3055422(**Impact Factor-3.745**)

6. **K. Sakthidasan**,BhekisiphoTwala, S. Yuvaraj, K. Vijayan, S. Praveenkumar, Prashant Mani, C. Bharatiraja, "State-Based Offloading Model for Improving Response Rate of IoT services", *CMC-Computers, Materials & Continua*, Vol.63, No.3, pp.3721-3735,2021, doi:10.32604/cmc.2021.014321(**Impact Factor- 4.89**)

7. **K. Sakthidasan Sankaran**, K. Vijayan, S. Yuvaraj, J. K. Periasamy, M. Balasaraswathi, Jay Prakash Narayan Verma & Chandra Shakher Tyagi, "Weighted-based path rediscovery routing algorithm for improving the routing decision in wireless sensor network", in *Springer - Journal of Ambient Intelligence and Humanized Computing* (Online First Article), 2021, https://doi.org/10.1007/s12652-020-02709-1 (**Impact Factor- 4.594**)

8. DhankeJyotiAtul, R.Kamalraj, G.Ramesh, **K.Sakthidasan Sankaran**, SudhirSharma, SyedKhasim, "A machine learning based IoT for providing an intrusion detection system for security", *Elsevier – Microprocessor and Microsystems*, Vol.82, 103471 , 2021.(**Impact Factor- 1.161**)

9. **Sakthidasan Krishnan**, S.Vaithyasubramanian. & M. Maragatharajan, "SAED: Self-adaptive Error Detection Automation for Leveraging Computational Efficiency of HCI Systems", *Springer- Wireless Personal Communication*, Vol. 117, No.4 pp: 3289–3307 2021. <https://doi.org/10.1007/s11277-020-07988-7>, (**Impact Factor: 1.061**)

10. M.Subalatha, S.Jayashri, J.Raja, **K.Sakthidasan @ Sankaran**, "Low Complexity Maximum Likelihood FBMC QAM for Improved Performance in Longer Delay Channels". *Springer-*

Wireless Personal Communication, Vol. 117, No.4, pp:3051-3066, 2021, DOI: <https://doi.org/10.1007/s11277-020-07427-7>, (Impact Factor: 1.061)

11. Kousalya, A., **Sakthidasan, K.** & Latha, "Reliable service availability and access control method for cloud assisted IOT communications", in ***Wireless Network-Springer***, <https://doi.org/10.1007/s11276-019-02184-3>, Vol.27, No,2, pp:881-892, 2021, (Impact Factor - 2.405)
12. N. Sridevi, V. Nagarajan, **K. Sakthidasan @ Sankaran**, "Efficient traffic control and lifetime maximization in mobile ad hoc network by using PSO–BAT optimization", in ***Wireless Network-Springer***, <https://doi.org/10.1007/s11276-019-02173-6>, Vol.27, No,2, pp:861-870, 2021. (Impact Factor - 2.405)
13. S. Sasikumar, P. N. Renjith, K. Ramesh and **K. Sakthidasan Sankaran**, "Attention Based Recurrent Neural Network for Lung Cancer Detection," in Proceedings of 4th IEEE International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) – ***IEEE Digital Explore*** ,pp. 720-724, 2020. doi: [10.1109/I-SMAC49090.2020.9243556](https://doi.org/10.1109/I-SMAC49090.2020.9243556)
14. K. Thenkumari, V. Belin Geo, A. Kumaresan, **K. Sakthidasan**, "Energy Efficient & Secured Communication for Vanet Using Location Dependent Key Management", ***Journal of Green Engineering***, Vol.10, No.11, pp.11070-11089, 2020.
15. S. Srinivasan, A. Arikesh, E. Terence, **Krishnan Sakthidasan**, "Pattern Matching based Vehicle Density Estimation Technique for Traffic Monitoring Systems in Sustainable Smart Cities", ***Journal of Green Engineering***, Vol.10, No.10, pp.9812-9822, 2020.
16. R. Shyamala Devi, J. Suganya, P. Elangovan, **K. Sakthidasan**, "Energy Efficient Adaptive Device-Dependent Data Transmission Method for Internet of Things Aided Wireless Sensor Networks", ***Journal of Green Engineering***, Vol.10, No.10, pp.8414-8426, 2020.
17. Suresh Akkole, N. Vasudevan, **K. Sakthidasan Sankaran**, "Energy efficient multi band square fractal microstrip antenna for sustainable development in wireless communication", ***Journal of Green Engineering***, Vol.10, No.9, pp. 5045-5056, 2020
18. Vitawat Sittakul, S. Vijayalakshmi, Nagarajan Velmurugan, **K. Sakthidasan Sankaran**, "Implementation of High-Efficiency and Ultra-Low-Power Transceiver for the Design of Body Channel Communication Applications", ***Springer-Circuits Systems and Signal Processing***, May 2020, vol. 39, pp:6034–6057 DOI: <https://doi.org/10.1007/s00034-020-01444-4>, (Impact Factor – 1.681)
19. **K Sakthidasan Sankaran**, Aby K thomas., P. ThirumaraiSelvan, R. Vallikannu, "Automatic prediction of environmental hazardous gas leakage using machine learning technique and wireless sensor networks", ***Journal of Green Engineering***, vol.10, issue.7, July 2020

20. **K. Sakthidasan Sankaran**, K. Kavitha and S. H. priya, "Content Based Image Retrieval Process for Speech Annotated Digital Images," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 - *IEEE Digital Xplore*, pp. 1372-1376, **doi: 10.1109/ICCSP48568.2020.9182104**.
21. **K. Sakthidasan Sankaran**, P. Manishankar, K. R. Teja, P. K. Reddy and T. P. Kumar, "Digital Image De-noising and Restoration method using Differential Filters for Improving the Image Quality," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020- *IEEE Digital Xplore*, pp. 1377-1380, **doi: 10.1109/ICCSP48568.2020.9182064**.
22. **K. Sakthidasan Sankaran**, P. Srikanth, S. N. Basha and Y. Subbarayudu, "An Efficient De-blocking Filter for Quality Improvement of Medical Image Analysis," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1381-1384, **doi: 10.1109/ICCSP48568.2020.9182252**.
23. S. Prabha, R. S. Raghav, C. Moulya, K. G. Preethi and **K. Sakthidasan Sankaran**, "Analysis and Monitoring Air Quality System using Raspberry PI," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1385-1389, **doi: 10.1109/ICCSP48568.2020.9182410**.
24. S. Prabha, R. S. Raghav, C. Moulya, K. G. Preethi and **K. Sakthidasan Sankaran**, "Fusion based Brain Tumor Classification using Multiscale Transform Methods," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 - *IEEE Digital Xplore*, pp. 1390-1393, **doi: 10.1109/ICCSP48568.2020.9182291**.
25. **K. Sakthidasan Sankaran**, N. Vasudevan and V. Nagarajan, "Plant Disease Detection and Recognition using K means Clustering," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1406-1409, **doi: 10.1109/ICCSP48568.2020.9182095**.
26. S. Prabha, S. S. R. Kumar, G. G. Reddy and **K. Sakthidasan Sankaran**, "Retinal Image Analysis Using Machine Learning," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1410-1413, **doi: 10.1109/ICCSP48568.2020.9182227**.
27. **K. Sakthidasan Sankaran**, N. Vasudevan and V. Nagarajan, "Data-Centric Routing in WSN for Energy Conservation using Directed Diffusion," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1414-1417, **doi: 10.1109/ICCSP48568.2020.9182169**.
28. **K. Sakthidasan Sankaran**, N. Vasudevan and V. Nagarajan, "Secured Service Discovery for Internet of Things: Context Awareness Perspective," in proceedings of 9th IEEE International

Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1418-1421, **doi: 10.1109/ICCSP48568.2020.9182196**.

29. **K. Sakthidasan Sankaran**, N. Vasudevan and V. Nagarajan, "Driver Drowsiness Detection using Percentage Eye Closure Method," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1422-1425, **doi: 10.1109/ICCSP48568.2020.9182059**.
30. M. Rajmohan, **K. Sakthidasan Sankaran** and T. Rasagna, "Design of 4-Bit Dual Edge Triggered Counter using Quantum DOT Cellular Automata," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1467-1471, **doi: 10.1109/ICCSP48568.2020.9182226**.
31. A. A. Devarajan, T. Sudalaimuthu and **K. Sakthidasan Sankaran**, "Enhanced Storage Management Optimization in IaaS Cloud Environment," in proceedings of 9th IEEE International Conference on Communication and Signal Processing, ICCSP 2020 -*IEEE Digital Xplore*, pp. 1589-1594, **doi: 10.1109/ICCSP48568.2020.9182114**.
32. R.Sundaramurthy, V.Nagarajan , **K.Sakthidasan @ Sankaran**, "Design and Implementation of Reconfigurable Virtual Instruments using Raspberry Pi Core", *Test Engineering and Management*, Vol.83, pp:12623 – 12630, March – April 2020
33. R.Sundaramurthy, V.Nagarajan , **K.Sakthidasan @ Sankaran**, "Time Analysis of Reconfigurable Virtual Instruments using Raspberry Pi Core", *Test Engineering and Management*, Vol.83, pp:12631 - 12638, March – April 2020
34. R. Kumar, **K. Sakthidasan @ Sankaran**, R. Sampath, P. Mohamed Shakeel, "Analysis of regional atrophy and prolong adaptive exclusive atlas to detect the alzheimers neuro disorder using medical images", *Springer – Multimedia Tools and Applications*, Vol.79, pp.10249–10265, 2020. <https://doi.org/10.1007/s11042-019-7213-4> (Impact Factor – 2.313)
35. B.C.Kavitha, R.Vallikannu , **K.Sakthidasan Sankaran**, "Delay-aware concurrent data management method for IoT collaborative mobile edge computing environment", in *Elsevier- Microprocessors and Microsystems*, Vol.74, 103021, April 2020, DOI: <https://doi.org/10.1016/j.micpro.2020.103021>, (Impact Factor – 1.045)
36. **K.Sakthidasan Sankaran**, N.Vasudevan& Ashok Verghese, "ACIAR: application-centric information-aware routing technique for IOT platform assisted by wireless sensor networks", in *Journal of Ambient Intelligence and Humanized Computing*, vol.11, issue.11,pp.4815–4825 February 2020, DOI: <https://doi.org/10.1007/s12652-020-01748-y> (Impact Factor- 1.91)

37. R. Vallikannu, T.VenkateshKanna, G. Vimala Rani, **K. Sakthidasan Sankaran**, "An optimized assistive epileptic seizure detection system for human environmental conscientiousness ", *Journal of Green Engineering*, Vol. 10 , No.1, pp: 225-237, January 2020.
38. K.Thenkumari&**K.Sakthidasan @ Sankaran** , "Frequency reconfigurable micro strip antenna switching techniques for sustainable environment", in *Journal of Green Engineering*, Volume 9, Issue 4, pp: 502-513, December 2019
39. P. Thirumaraiselvan, **K. Sakthidasan @ Sankaran** , V. Beslin Geo, V. R. Prakash and N. Vasudevan, "A Statistical Lower UWB Channel Model for in Body Communications", in *Mobile Networks and Applications – Springer*, Volume 24, Issue 6, pp: 1814-1820, December 2019, (Impact Factor - 2.39)
40. Aby K Thomas, S.S.Manikandan, K.Sunil Kumar, **K. Sakthidasan @ Sankaran**, "A compact dielectric resonator antenna for x-band applications in sustainable environment", *Journal of Green Engineering*, Volume 9, Issue 3, October 2019, Pages 441-450
41. **K. Sakthidasan Sankaran**, N. Vasudevan, P. Kumara Guru Diderot and V.Nagarajan. "Efficient Image De-Noising Technique Based on Modified Cuckoo Search Algorithm", *Journal of Medical Systems- Springer*, Volume 43, Issue 10, 1, Article number 307 , DOI:<https://doi.org/10.1007/s10916-019-1423-1>, October 2019 (Impact Factor - 2.415)
42. Kanpur Rani, V, Vallikannu, R., **Sakthidasan, K**, "Effect of vehicle pollution on urban areas and various corrective measures", *Journal of Green Engineering*, Volume 9, Issue 2, August 2019, Pages 167-175.
43. **K.Sakthidasan @Sankaran**, Geo, V.B., Umarani, S.M., Archana, P, "Sumrate Maximization by Optimal Precoder Design for MIMO Retransmission System", *Journal of Engineering and Applied Sciences*, vol. 14, issue no.11), pp. 3611-3614, 2019.
44. **K. Sakthidasan Sankaran**, H. Abhi Rayna, V. Mangu, V. R. Prakash and N. Vasudevan, "Image Water Marking using DWT to Encapsulate Data in Medical Image," in proceedings of 8th IEEE International Conference on Communication and Signal Processing, ICCSP 2019 - *IEEE Digital Library*, pp. 0568-0571, May 2019 . DOI: **10.1109/ICCSP.2019.8698057**
45. **K. Sakthidasan Sankaran**, S. Sasikumar, N. Vasudevan, V. R. Prakash and L. Babitha, "Pattern Generation and Dimensionality Reduction using CNN for Image Restoration," in proceedings of 8th IEEE International Conference on Communication and Signal Processing, ICCSP 2019 -*IEEE Digital Library*, pp. 0559-0563, May 2019. DOI: **10.1109/ICCSP.2019.8697907**
46. **K. Sakthidasan Sankaran**, N. Vasudevan, V. R. Prakash and P. Kumara Guru Diderot, "Access Control based Efficient Hybrid Security Mechanisms for Cloud Storage," in proceedings of 8th IEEE International Conference on Communication and Signal Processing,

ICCSP 2019 -*IEEE Digital Library*, pp. 0564-0567, May 2019 . DOI: **10.1109/ICCSP.2019.8698037**

47. S. Chatterjee, S. S. Kumar, A. N. Raut, **K. Sakthidasan Sankaran** and P. M. RubeshAnand, "A Wide Band Balun Design using Metamaterial Technique for Low Frequency Antenna Application," in proceedings of 8th IEEE International Conference on Communication and Signal Processing, ICCSP 2019 -*IEEE Digital Library*, pp. 0735-0738, May 2019. DOI: **10.1109/ ICCSP.2019. 8697948**
48. M. Priyadharsini, T. S. A. Narayanan, T. Singh, **K. Sakthidasan Sankaran** and P. M. RubeshAnand, "Compressed Air Generator Integrated with Renewable Energy Source for Military Application," in proceedings of 8th IEEE International Conference on Communication and Signal Processing, ICCSP 2019 -*IEEE Digital Library*, pp.0810-0813, May 2019. DOI: **10.1109/ICCSP.2019. 8697939**
49. P. K. Guru Diderot, N. Vasudevan and **K. Sakthidasan Sankaran**, "An Efficient Fuzzy C-Means Clustering based Image Dissection Algorithm for Satellite Images," in proceedings of 8th IEEE International Conference on Communication and Signal Processing, ICCSP 2019 - *IEEE Digital Explore* , pp. 0806-0809, May 2019. DOI: **10.1109/ICCSP.2019.8698054**
50. **Krishnan Sakthidasan**, Natarajan Vasudevan, Paramesvarane Kumara Guru Diderot ;ChellakkuttiKadhiravan , "WOAPR: An affinity propagation based clustering and optimal path selection for time-critical wireless sensor networks", *IET Networks*, Volume 8, Issue 2, pp. 100 – 106,ISSN: 2047-4962, March 2019. DOI: **10.1049/jet-net.2018.5081**
51. **K.Sakthidasan @ Sankaran**, S.Prabha , P.M.RubeshAnand, "Optimized gradient histogram preservation with block wise SURE shrinkage for noise free image restoration", *Springer - Cluster Computing- The Journal of Networks, Software Tools and Applications*, Volume 22, pp: 4457-4478, 2019
52. **K. Sakthidasan alias Sankaran**& V. Nagarajan, "Noise Removal Through the Exploration of Subjective and Apparent Denoised Patches Using Discrete Wavelet Transform", *IETE Journal of Research*, ISSN : **0377-2063**, January 2019(Online First Article). DOI:**10.1080/03772063.2019.1569483**
53. G. Rajesh, and **K. Sakthidasan Sankaran**, "Influence of airline service marketing mix with airline passenger satisfaction and loyalty", *International Journal of Recent Technology and Engineering*,Vol. 3, No. 6, pp.442-448, ISSN 2277-3878, March 2019.
54. P.R. Jasmine Jeni, R. Palson Kennedy and **K. Sakthidasan Sankaran**, "Reliable Army Knowledge Management Process using Perception Tacit Knowledge with Xenogeneic Deep Neural Networks", *Inderscience- International Journal of Knowledge Management Studies*,Vol. 10, No. 1, pp.48–57, ISSN 1743-8268, January 2019. DOI: **10.1504/IJKMS.2019.097124**

55. D. Chitradevi, S. Prabha and **K. Sakthidasan Sankaran**, "Brain Hemisphere Analysis Using Genetic Algorithm and Fuzzy Clustering in Alzheimer Disease," in proceedings of 7th IEEE International Conference on Communication and Signal Processing, ICCSP 2018 -*IEEE Xplore-Digital Library*, pp. 901-905. 2018 DOI: [10.1109/ICCSP.2018.8524378](https://doi.org/10.1109/ICCSP.2018.8524378)
56. M. Thangapandiyan, P. M. RubeshAnand and **K. Sakthidasan Sankaran**, "Quantum Key Distribution and Cryptography Mechanisms for Cloud Data Security," in proceedings of 7th IEEE International Conference on Communication and Signal Processing, ICCSP 2018 -*IEEE Xplore-Digital Library*, pp. 1031-1035. April 2018 DOI: [10.1109/ICCSP.2018.8524298](https://doi.org/10.1109/ICCSP.2018.8524298)
57. M. Thangapandiyan, P. M. R. Anand and **K. Sakthidasan Sankaran**, "Enhanced Cloud Security Implementation Using Modified ECC Algorithm," in proceedings of 7th IEEE International Conference on Communication and Signal Processing, ICCSP 2018 -*IEEE Xplore-Digital Library*, pp. 1019-1022. April 2018 DOI: [10.1109/ICCSP.2018.8524212](https://doi.org/10.1109/ICCSP.2018.8524212)
58. S. Rajan, P. M. RubeshAnand, D. J. Persis and **K. Sakthidasan Sankaran**, "Comparative Analysis of Scheduling Algorithms in Cloud Environment," in proceedings of 7th IEEE International Conference on Communication and Signal Processing, ICCSP 2018 -*IEEE Xplore-Digital Library*, pp. 0953-0956. April 2018 DOI: [10.1109/ICCSP.2018.8524242](https://doi.org/10.1109/ICCSP.2018.8524242)
59. S. Sureshkumar, P. M. R. Anand, A. Prajapati and **K. Sakthidasan Sankaran**, "Negative Index Metamaterial Based Dual-Band Microwave Absorber", in proceedings of 7th IEEE International Conference on Communication and Signal Processing, ICCSP 2018 -*IEEE Xplore-Digital Library*, pp. 0897-0900. April 2018 DOI: [10.1109/ICCSP.2018.8524523](https://doi.org/10.1109/ICCSP.2018.8524523)
60. S. Sureshkumar, P. M. RubeshAnand, A. Prajapati and **K. Sakthidasan Sankaran**, "Low Pass Filter Design with CSRR as Defected Ground Structure," in proceedings of 7th IEEE International Conference on Communication and Signal Processing, ICCSP 2018 -*IEEE Xplore-Digital Library*, pp. 893-896. April 2018 DOI: [10.1109/ICCSP.2018.8524163](https://doi.org/10.1109/ICCSP.2018.8524163)
61. T.Reena Raj, **K.Sakthidasan @ Sankaran** and V.Nagarajan, "Chaotic Sequence based MC-CDMA for 5G", *Wiley-Concurrency and Computation: Practice and Experience*, ISSN: 1532-0634, September 2018 (Online First Article). DOI: <https://doi.org/10.1002/cpe.4992>
62. V. Beslin Geo, **K.Sakthidasan @ Sankaran**, P.Archana, S.M.Umarani, "Extraction of hidden text from images using DWT", *International Journal of Engineering and Technology (UAE)*. Volume 7, Issue 4.36 Special Issue 36, ISSN: 2227-524X, 2018, DOI : [10.14419/ijet.v7i4.36.23908](https://doi.org/10.14419/ijet.v7i4.36.23908)
63. **K. Sakthidasan @ Sankaran** and K. E. Purushothaman, "Adaptive Enhancement of Low Noise Amplifier Using Cadence Virtuoso Tool," in proceedings of 6th IEEE International Conference on Communication and Signal Processing, ICCSP 2017 -*IEEE Xplore-Digital Library*pp: 330-334, Print ISBN: 978-1-5090-4800-7, February 2017, DOI: [10.1109/ICRTCCM.2017.37](https://doi.org/10.1109/ICRTCCM.2017.37),

64. **K.Sakthidasan @ Sankaran** , B.Hemamalini , V. Nagarajan , ‘Edge Protective Image Restoration Using ANN Method’, *International Journal of Printing, Packaging & Allied Sciences*, Vol5(1),223-229,ISSN2320-4387,February2017
65. **K.Sakthidasan @ Sankaran** and VelmuruganNagappan , ‘Noise Free Image Restoration Using Hybrid Filter With Adaptive Genetic Algorithm’, *Elsevier - International Journal of Computers and Electrical Engineering*, Vol 54 (4),382-392, ISSN 0045-7906, January 2016 DOI: 10.1016/ j.compeleceng .2015.12.011, Impact Factor – 1.083.
66. **Sakthidasan @ Sankaran, K&VelmuruganNagarajan** 2016, ‘A Speculative Method for Removal of Noise Using Iterative Median Filter’, Middle East Journal of Scientific Research, International Digital Organization for Scientific Information Publications, Vol 24 (2),390-397, ISSN 1990-9233, March 2016, DOI: 10.5829/ idosi. mejsr. 2016.24.02.23031.
67. R.JothiChitra,**K.Sakthidasan @ Sankaran** &V.Nagarajan 2016, ‘Iterative Non Local Image Restoration using Interpolation of Up and Down Sampling’, in *International Journal of Advanced Engineering Technology*, Vol.07, No. 02, pp. 633-638, 2016.
68. R.Arun Kumar,**K.Sakthidasan @ Sankaran** &T.Balasubramanian, ‘DWT based Novel Image Denoising by Exploring Internal and External Correlation’, in *International Journal of Innovative Research in Science, Engineering and Technology*, Vol.05, Issue 06, pp.10136-10142, 2016.
69. **K.Sakthidasan @ Sankaran**, Srinithya and Dr.V.Nagarajan “Retreival of the original image by artificial neural network” in proceedings of 4th IEEE International Conference on Communication and Signal Processing, ICCSP 2014 -*IEEE Xplore-Digital Library*Pg: 1798 - 1802, Print ISBN: 978-1-4799-3357-0 , April 2014 , DOI: 10.1109/ICCSP.2014.6950156
70. **K.Sakthidasan @ Sankaran**, G.Ammu and Dr.V.Nagarajan “Non local image restoration using iterative method” in proceedings of 4th IEEE International Conference on Communication and Signal Processing, ICCSP 2014 -*IEEE Xplore-Digital Library* , pp: 1740 - 1744, Print ISBN: 978-1-4799-3357-0 , April 2014, DOI: 10.1109/ ICCSP.2014.6950144
71. **K.Sakthidasan @ Sankaran**, S.Bhuvaneshwari and Dr.V.Nagarajan “A new edge preserved technique using iterative median filter” in proceedings of 4th IEEE International Conference on Communication and Signal Processing, ICCSP 2014 -*IEEE Xplore-Digital Library*, pp.1750 – 1754, Print ISBN: 978-1-4799-3357-0 , April 2014, DOI: 10.1109/ICCSP.2014.6950146
72. **K.Sakthidasan @ Sankaran**, G.Ammu and Dr.V.Nagarajan“Patch Based Image Restoration Using Adaptive Bilateral Filtering”in proceedings of 4th IEEE International Conference on Communication and Signal Processing, ICCSP 2014 -*IEEE Xplore-Digital Library*, pp: 1 – 5, Print ISBN: 978-1-4799-3835-3 , April 2014, DOI: 10.1109/ICICES.2014.7033985

73. **K.Sakthidasan @ Sankaran**, Srinithya and Dr.V.Nagarajan “Enhanced Edge Preserving Restoration For 3D Images Using Histogram Equalization Technique” in *International Journal of Electronic Communication Engineering Advanced Research*, Vol-2 , Sp-1 ,Feb 2014 ISSN: 2347-9329 (Online)
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2. **K.Sakthidasan @ Sankaran** and V.Nagarajan , ‘Efficient Noise Reduction Method Using Iterative Median Filter for Digital Images’, in International Technical Conference on Circuits / Systems, Computers and Communications (ITC-CSCC 2015), June 29th – July 2nd ,2015 in Seoul , Korea.pp: 193-198
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4. **K.Sakthidasan @ Sankaran** “**Wireless Based Intelligent Auto-Call Transfer Service Using Pots**” in the *International Conference on Futuristic Trends in Electronic Engineering (ICFTEE 2012)* Held at Thiruvalluvar College of Engineering on 28th and 29th January 2012.
5. **K.Sakthidasan @ Sankaran** and C.Priyadarshini“**PSO based route lifetime prediction algorithm for maximizing network lifetime in MANET**” in the *International Conference on*

Recent Trends in Information Technology (ICRTIT 2012) Held at Madras Institute of Technology, Chennai on 19th and 21st April 2012.

6. **K.Sakthidasan @ Sankaran** and B.V.Santhosh Krishna **“Encryption and Decryption of Digital color images on High Dimensional Chaotic Maps”** in *IEEE sponsored International Conference on Engineering and Information Management (ICEIM 2011)* on April 15-17, 2011 in Chengdu, China.
7. **K.Sakthidasan @ Sankaran** and B.V.Santhosh Krishna **“GRUDGE- Gateway For Resolving Ultimately Dangerous Germs in MANETS”** in the *International Conference on Recent Trends in Engineering Management and Computer Applications (INRTIEMC 2011)* Held at Pallavan College of Engineering on 30th and 31th May 2011

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DETAILS OF TECHNICAL REVIEWER IN JOURNALS

- ***Recognized Reviewer in Elsevier International Journal of Computer and Electrical engineering***
- ***Recognized Reviewer in IEEE Access Journal***
- ***Reviewer in IET Image processing journal***
- ***Reviewer in Journal of Intelligent Systems , De Gruyter***
- Organizing Secretary and reviewer of International Conference on Communication and Signal Processing (ICCSPP) for the past **5 years** (2013 to till date)
- Organizing Committee Member in International Conference on Internet of Things and Applications for Smart City organized by IFERB
- Editorial Board member in International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE)
- Editorial Board member in International Journal Of Advanced Information And Communication Technology
- Editorial Board member in Journal of Electronic Design Engineering
- ReviewerBoard member in Technical Research Organization, India.

1. Reviewer Board Member in International Research Journal of Computer Science