12, A Block, Vikas Venkatesam Appartment, Near	Professor and Head/ ECE, Sri Krishna College
Subash Nagar, Ganapathy, Coimbatore –641 006	of Engineering and Technology, Coimbatore -
	641008
Ph: 9894063373/ 9443052081	E-mail: sofia_sudhir@yahoo.com
	sophia@skcet.ac.in
Dr. S.SOPHIA	Ph.D (Information & Communication)

In Journals:

- 1. Dr. Boselin Prabhu S. R., Balakumar N. & **Dr. Sophia S** (July 2016), "**Biologically Inspired Clustering Mechanism in Dense Distributed Wireless Sensor Networks**", International Journal of Engineering Studies and Technical Approach, vol. 2, Issue 7, pp.1-11 (ISSN: 2395-0900)
- 2. Dr. Boselin Prabhu S. R., Balakumar N. & Dr. Sophia S. (July 2016), "Bio-Medical Application of Wireless Power Transmission System", International Journal of Research and Engineering vol. 3, Issue 7, pp.51-53 (ISSN:2348-7852)
- 3. K. Abinaya, R. S. Beril Binny, V. Gayathri, S. R. Boselin Prabhu & **Dr. S. Sophia**(2016), "**Performance Assessment Of Various Generations In Wireless Narrowband Networking**", International Journal of Multidisciplinary Research and Modern Education, Vol 2, Issue I, pp.540-552, (ISSN: 2454–6119)
- 4. Senthil Kumar T, Boselin Prabhu S R, Sophia S, (2016), "The Impact Of Clustering Mechanism In Dense Wireless Sensor Network", Scholars Journal Of Engineering And Technology, Vol. 4 Issue 1, pp. 58-62 (ISSN 2347-9523)
- V.Saveetha , Dr. S.Sophia, Dr. Vijayakumar. P.D.R (OCT 2016) ,"GPU Accelerated K Means Clustering Refined using ANT Colony Optimization", Asian Journal of Research in Social Sciences and Humanities ,Vol 6,Issue 10 , pp.1736-1747, (ISSN: 2249-7315), DOI NO:10.5958/2249-7315.2016.01126.6
- 6. V.Saveetha, **Dr. S.Sophia** (2016), "Optimization of K-Means Clustering on Graphics Processing Unit using Compute Unified Device Architecture", Journal of Computational and Theoretical Nanoscience, (ISSN: 1546-1955) (**Annexure-I**)
- 7. R.Jennie Bharathi, **Dr.S.Sophia**, (Dec2016), "Enhancing Anonymity in MIPv6 Networks based on Bilinear Pairings", International Journal of Printing, Packaging and Allie d Sciences, vol-4,No-4,pp.2819-2825 (ISSN:2320 4387) (**Annexure-I**)
- 8. **Saveetha.V**, Sophia.S, Vijayakumar. P.D.R, (2017), "Increasing the efficiency of K Means Clustering Refined using Careful Seeding on Hadoop Environment", SSRG International Journal of Computer Science and Engineering- (ICET'17), ISSN: 2348-8387, pp. 68 71.
- 9. Mishmala Sushith, Dr. S. Sophia, (2017), "Improved Multistage Road Detection Algorithm with Robust Ground Point and Building Point Extraction", Journal of Computational and Theoretical Nanoscience, vol-14,No-11, pp.5469-5477 (Annexure I) (Scopus Indexed)

- 10. Saveetha, V., Sophia, S. (2017) "Optimization of K-means clustering on graphics processing unit using compute unified device architecture", Journal of Computational and Theoretical Nanoscience (Scopus Indexed)
- 11. Nagarajan, K Vinod Kumar V, Sophia S, 2017 "Analysis of OFDM systems for high bandwidth" International Conference On Nextgen Electronic Technologies: Silicon to Software, ICNETS2 2017 (Scopus Indexed)
- 12. PD Rathika, S Sophia, 2017 "A distributed scheduling approach for QoS improvement in cognitive radio networks", Computers & Electrical Engineering, Vol:57, pp:186-198, ISSN:0045-7906 (http://dx.doi.org/10.1016/j.compeleceng.2016.08.013)(Annexure-I) (**Scopus Indexed**)
- 13. KS Bhuvaneshwari, D Bhanu, S Sophia, 2017," Dynamic Two-Stage Rough Set Synthetic Evaluation Mechanism for Elucidating Effective Learning Styles in E-Learning Environments", Asian Journal of Research in Social Sciences and Humanities, 7 (1), 324-345
- 14. PD Rathika, S Sophia, 2017, Efficient Scheduling and Collision Reduction in Hybrid Cognitive Radio Network using SBP" JournalofAdvancesinchemistry Vol: 13, ,No-4, pp. 6101-6107 (ISSN: 2321-807X)
- 15. Saveetha V, **Sophia.S**, 2018 "Optimal Tabu K-Means Clustering Using Massively Parallel Architecture" Journal of Circuits, Systems and Computers, vol-27,No-13, pp.1850199 (13pages) (**Scopus Indexed**)
- 16. Saveetha V., Sophia, S., Vijayakumar, P.D.R. (2018) "Appliance of effective clustering technique for gene expression datasets using GPU", Cluster Computing (in press) (Scopus Indexed)
- 17. Siddharthraju, K., Dhivya Devi, R., Shanmugaraja, T., Mithunraj, S., Sophia, S., 2018, "Smart infotainment system for vehicular network", International Journal of Engineering and Technology(UAE), (Scopus Indexed)
- 18. Bhuvaneshwari, K.S., Bhanu, D., Sophia, S., Kannimuthu, S. 2019 "Probabilistic variable precision fuzzy rough set technique for discovering optimal learning patterns in e-learning ", International Journal of Business Intelligence and Data Mining, Volume 14, Issue 1-2, Pages 121-137. (Scopus Indexed)
- 19. Sushith, M., Sophia, S. 2019, "EXTRACTION OF ROAD USING SOFT COMPUTING TECHNIQUES", Soft Computing Volume 23, Issue 18, pp 8487–8494 (**Scopus Indexed**)
- 20. U. K. Sridevi, S. Sophia, P. Shanthi (Mar 2019) "Deep Learning Model to Predict the Behavior of an Elder in a Smart Home" *Indian Journal of Science and Technology*, *Volume 12, Issue 12, March 2019* (**DOI**: 10.17485/ijst/2019/v12i12/143202)
- 21. V. V. Vineeth, S. Sophia, S. Jayanthy, "Survey on Security Aspects in Smart Grid: Performance and Parametric Analysis" in Innovations in Electrical and Electronics Engineering, Lecture Notes in Electrical Engineering book series, volume 626, pp 609-616, 2020 (**Scopus Indexed**)

- 22. M.Navin Kumar, Dr.S.Sophia, Dr.S.Karthikeyan, (January -February 2020) "Design and Analysis of BIST Approach for 3D-Mesh NOCs Router Testing", TEST Engineering and Management, Vol 82, pp. 7807-7812 (**Scopus Indexed**)
- 23. Suriya, K., Sophia, S 2020 "A compact hexa-linear polarization reconfigurable patch antenna" TEST Engineering and Management, Vol, pp: (**Scopus Indexed**)
- 24. Suriya, K., Sophia A New Diminutive Octa Polarization Reconfigurable Circular Patch Antenna International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-6, April 2020
- 25. S. Sophia, K.Sowmiya, P. Vinesha, S. Rajarajeshwari, A. Athithya Janani, April 2020," Gait Abnormality Classification in Clinical Field", International Journal of Engineering and Advanced Technology, Volume-9Issue-4, 128. ISSN: 2249 –8958
- 26. Mr.K.Siddharthraju, Dr.S.Sophia, Dr.B.Jaishankar, Dr.K.Murugan, Ms.M.Supriya, Mr.T.Venkatesh, June 2020," An Improved load-balancing task allocation scheme for MCS systems", WAFFEN-UND KOSTUMKUNDE JOURNAL, Volume XI, Issue VI, ISSN NO: 0042-9945Page No: 252, ISSN NO: 0042-9945 (Web of Science)