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### **Research Interests:**

- Image Processing
- Soft Computing
- Machine Learning

### **Publications:**

1. S.G.Gino Sophia, V.Ceronmani Sharmila (2020). Computer Vision Algorithms in Dominant Contact lens Feature Extraction using Fuzzy Logic based Classifications, Soft Computing, Springer, Impact Factor: 2.367, Q2 journal, Hindex: 56.
2. S.G.Gino Sophia, V.Ceronmani Sharmila (September 2019). Recognition, Classification for Normal, Contact and Cosmetic Iris Images using Deep Learning, International Journal of Recent Technology and Engineering (IJRTE) Volume-8 Issue-3, September 2019.
3. B.Pavithra, S.Suchitra, S.G.Gino Sophia, Jisha Lia George (October 2019). A Relative Study On Sdn Based Energy Efficient Cloud Data Center Networks, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019.
4. D. John Aravindhar ; S. G. Gino Sophia ; Padmaveni Krishnan ; D. Praveen Kumar (September 2019). Minimization of Black hole Attacks in AdHoc Networks using Risk Aware Response Mechanism, 2019 3rd International conference on Electronics, Communication and Aerospace Technology (ICECA), 10.1109/ICECA.2019.8822026, **IEEE Xplore**
5. S.G.Gino Sophia, V.Ceronmani Sharmila (Nov 2018).Zadeh max–min composition fuzzy rule for dominated pixel valuesin iris localization.

- <https://doi.org/10.1007/s00500-018-3651-6>, *Soft Computing*, Springer, Impact Factor: 2.367, Q2 journal, Hindex: 56.
6. S.G.Gino Sophia, V.Ceronmani Sharmila. "Morphological-Based Localization of an Iris Image", [https://doi.org/10.1007/978-981-13-1580-0\\_3](https://doi.org/10.1007/978-981-13-1580-0_3), *Advances in Intelligent Systems and Computing (Formerly known as Advances in Intelligent and Soft Computing)*, Springer, Impact factor : 0.338, Q4 journal, H index : 19
  7. S.G.Gino Sophia, V.Ceronmani Sharmila. "Performance Measures of Diseases Affected Iris Images using Sigmoidal Multilayer Feed Forward Neural Network", *International Journal of Advanced Intelligence Paradigms*, Inderscience publishers, Impact factor: 0.38, Q4 journal, H index: 07
  8. S.G.Gino Sophia, V.Ceronmani Sharmila. "Morphological-Based Localization of an Iris Image", First International Conference on Artificial Intelligence and Cognitive Computing (AICC 2018), Springer, MLR Institute of Technology, Hyderabad, 02 &03, Feb, 2018.
  9. S.G.Gino Sophia, V.Ceronmani Sharmila. "Performance Measures of Diseases affected iris images using Neural Networks", International Conference on Advanced Information and Communication Technology 8, Kapagam College of Engineering, Coimbatore, 08 &09, March, 2018
  10. S.G.Gino Sophia, V.Ceronmani Sharmila. "Survey on image enhancement and edge detection for iris images", Third International Conference on Communication, Computing and Information Technology (ICCCMIT), MOP Vaishnav College for women, Chennai, 02 & 03, March, 2017.
  11. S.G.Gino Sophia, K.Padmaveni, Linda Joseph, "Four Key Secured Data Transfer using Steganography and Cryptography"- *International Journal of Engineering Research and Applications*, Volume 3, Issue 1, January-February 2013, pp.1492-1496. The ISSN Number is : 2248-9622.

12. S.G.Gino Sophia, S.N.Vinodh, “Bridging Social and Data Networks in Collective Behavior”- International Journal of Science and Research (IJSR), Volume 2, Issue 3, March, 2013, ISSN : 2319-7064.

13. S.G.Gino Sophia, Abhinandana. (2011). ” Adaptive Optical Character Recognition Systems” - International Journal of Computer and Information Systems, Silicon Valley Publishers, Volume 3, No: 2, ISSN: 2229-8208.

14. S.G.Gino Sophia, R.P.Prabeena, “Mitigating Routing Attacks in Mobile Adhoc Networks”- International Conference of Emerging Marvels in Information and Computer Science Engineering”, on 15 and 16 Feb 2013, organized by Maria College of Engineering and Technology, Attoor, Marthandam, Kanyakumari Dist.

List of funded projects : P.Parthasarathy, S.G.Gino Sophia, Determination of Defect Tracking System by TNSCST Rs.7,500 funded under student projects scheme.