

**Dr.B.Gopinath,**

Associate Professor,

Department of Electronics and Communication Engineering,

Kumaraguru College of Technology, Coimbatore-641049.

Ph.No.: 8667735416

E-mail: [gopiphd@yahoo.com](mailto:gopiphd@yahoo.com)

---

### **List of Publications**

1. **B.Gopinath** and R.Santhi, “Deep learning-based image analysis model for diagnosing Thyroid Carcinoma in Fine Needle Aspiration Cytology (FNAC) images”, In Proceedings of International e-conference on Image Analysis for Treatment of Human Infectious Diseases organised by Kumaraguru College of Technology, Coimbatore, Nov. 2020.
2. **B.Gopinath** and R.Santhi, “A Machine Learning based Framework for identifying Exudates in Retinal Images using Wavelet Features”, In Proceedings of International e-conference on Image Analysis for Treatment of Human Infectious Diseases organised by Kumaraguru College of Technology, Coimbatore, Nov. 2020.
3. **B.Gopinath** and R.Santhi, “Testing of The Diagnostic Accuracy of A Deep Learning-Based Classification Model for Diagnosing Thyroid Carcinoma In FNAC Pathology Images”, In Proceedings of International Scientific and Practical Online Conference on Integration into the world and connection of sciences, Baku, Azerbaijan, Oct. 2020, pp. 114-115.
4. **B.Gopinath** and R.Santhi, “A Study on Urban Microclimate in a sub-urban area for Smart City Development in India”, In Proceedings of Asia Pacific 3<sup>rd</sup> International Conference on Contemporary Studies, Seoul, South Korea, 2020.
5. **B.Gopinath**, “A Simple Machine Learning Framework for the Automation of e-waste Classification System in Educational Institutions”, International Conference on Purification and Recycling of Electronic Materials (ICPREM-2020), Organised by C-MET, Hyderabad, 2020.
6. **B.Gopinath** and R.Santhi, “Benign and Malignant Pattern Identification in Cytopathological Images of Thyroid Nodules using Gabor Filter and Neural Networks”, Asian Journal for Convergence In Technology, Vol. 4, No. 1, 2018, pp.1-6.
7. **B.Gopinath** and R.Santhi, “Discrimination of Papillary and Medullary Carcinomas of Thyroid Nodules using Statistical Features driven Support Vector Machine Classifier”, International Journal of Advance Research in Science and Engineering, Vol. 7, No. 3, 2018, pp. 746-756

8. S.Prema and **B.Gopinath**, “A Review on VLSI Design techniques for Power Optimization”, In Proceedings of International Conference on Recent Innovations in Engineering, Technology and Management organised by Nandha Engineering College, Erode, 2017.
9. NS Kavitha and **B.Gopinath**, “Secure Data Aggregation Scrutiny (SDAS) through Orthogonal Set Verification (OSV) Method for Wireless Sensor Network”, In Proceedings of International Conference on Recent Innovations in Engineering, Technology and Management organised by Nandha Engineering College, Erode, 2017.
10. C.R. Dhivyaa and **B.Gopinath**, “A review on performance evaluation of anisotropic diffusion filter for denoising the speckle noise in retinal images”, International Journal of Intellectual Advancements and Research in Engineering Computations, Vol. 5, No. 1, 2017, pp. 639-644.
11. Ramesh Mekala, V.Palanisamy, **B.Gopinath** and Rukmangadhan Thangavel, “Insight into Fractal Image Compression: A Multifacet View”, International Journal of Innovation and Scientific Research, Vol. 24, No. 2, 2016, pp. 438-445.
12. R.Mekala, V.Palanisamy, **B.Gopinath** and R.Thangavel, “Conceptualization of Remote Sensing Images using Fractal Image Compression on Spiral Architecture”, Asian Journal of Information Technology, Vol. 15, No. 19, 2016, pp. 3787-3792.
13. **B.Gopinath** and N.Shanthi, Development of an Automated Medical Diagnosis System for Classifying Thyroid Tumor Cells using Multiple Classifier Fusion, Technology in Cancer Research and Treatment, Vol. 14, No. 5, 2015, pp. 653-662.
14. R.Banupriya and **B.Gopinath**, “A Survey on Land cover/Land use Classification Algorithms”, International Journal of Applied Engineering Research, Vol. 10, No.29, 2015, pp. 22243-22248
15. C.R.Dhivyaa and **B.Gopinath**, “A Survey on Medical Image Preprocessing and Feature Extraction Techniques” International Journal of Applied Engineering Research, Vol. 10, No.29, 2015, pp. 22335-22339.
16. V.S.Kanimozhi and **B.Gopinath**, “Segmentation and Classification of Chromosome Images”, International Journal of Applied Engineering Research, Vol. 10, No.29, 2015, pp. 22572-22578.
17. S.Nithya Devi, **B.Gopinath** and P.Ramanathan, “Synthesis of High speed Vedic Multiplier, International Journal of Applied Engineering Research Vol. 10, No.29, 2015, pp. 22614-22617.