

LIST OF MAJOR PUBLICATIONS

List of SCI indexed journal publications

1. Vinu Thomas, **C. Gopakumar**, Anil Lonappan, G. Bindu, V. Hamsakutty, K.T. Mathew "Microwave Imaging of Two-dimensional Dielectric cylinders with a Multiscaled Frequency Hopping Approach", Microwave and Optical Technology Letters (USA) Vol. 43, No.4, pp. 353-355, 20th November 2004.
2. Vinu Thomas, **C. Gopakumar**, Jaimon Yohannan, Anil Lonappan, G. bindu, A.V. Praveen Kumar, V. Hamsakutty, K.T. Mathew, "A novel Technology for Localizing the scatterer in Inverse Profiling of Two-Dimensional Circularly symmetric Dielectric Scatterers Using the Degree of Symmetry and Neural Networks", Journal of Electromagnetic Waves and Application (USA) Vol. 19, No. 15, pp. 2113-2121, 2005
3. Vinu Thomas, **C. Gopakumar**, A.V. Praveen Kumar, V. Hamsakutty, Anil Lonappan, G. Bindu, K.T. Mathew "A novel technique for reducing the imaging domain in microwave imaging of two dimensional circularly symmetric scatterers", Microwave and Optical Technology Letters (USA) Vol.44, No.5 pp. 423-427, 5th March 2005.
4. **C. Gopakumar**, Jaimon Yohannan, Ullas G Kalappura, K.T. Mathew, "An Investigation of Wideband Circular Cylindrical Sector Dielectric Resonator Antenna with Microstripline Feed", Microwave and Optical Technology Letters (USA), Volume 51, Issue 12, Pages 2861 – 2865, Sep 2009.
5. **C. Gopakumar**, K. T. Mathew, "A wideband microstrip-line-fed isosceles trapezoidal dielectric resonator antenna with modified ground plane," Progress In Electromagnetics Research C, Vol. 16, pp. 127-136, Sept 2010.
6. **C. Gopakumar**, K.T. Mathew, "A Microstrip-line-fed Isosceles-Trapezoidal Dielectric Resonator Antenna with Slotted Ground Plane for 2.4 GHz WLAN Operation", Microwave and Optical Technology Letters (USA) Volume 53, Issue 03, pp. 553 – 557, March 2011.
7. Remya R.S., Hariharan S., Keerthi V., **Gopakumar C.**, "Preprocessing G-banded metaphase: towards the design of automated karyotyping", SN Applied Sciences, 1, 1710 (2019). <https://doi.org/10.1007/s42452-019-1754-z>

Non SCI indexed journal publications

8. Sumesh M. S., **Gopakumar C.**, Reji Rajan Varghese³, Abraham Varghese, "LEVEL BASED NORMAL- ABNORMAL CLASSIFICATION OF MRI BRAIN IMAGES", International Journal of Computer Engineering and Technology (IJCET), ISSN 0976-6367(Print), ISSN 0976 – 6375(Online), Volume 4, Issue 2, pp. 403-409, March – April -2013.
9. Sundeep Sivan, **Gopakumar C.**, "An MFCC Based Speaker Recognition using ANN with Improved Recognition Rate", International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), ISSN (Print): 2279-0047, ISSN (Online): 2279-0055, 8(4), pp. 365-369, March-May, 2014.

10. Thushara P V, Gopakumar C, "An SVM Based Speaker Independent Isolated Malayalam Word Recognition System" International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), ISSN (Print): 2279-0047, ISSN (Online): 2279-0055, 8(3), pp. 281-285, March-May, 2014.
11. Rugma M., Malu G., **C. Gopakumar**, Elizabeth Sherly, "Positioning Lesion from Breast MRI and Mammogram using Registration Method", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, PP-1365-1370, Vol. 3, Issue 5, May – 2014.
12. **Gopakumar C.**, Raiba Rahuman, "Radon Transform Based Classification of Mammograms with Improved Localization", International Journal of Electronics and Communication Engineering (IJECE), ISSN(P): 2278-9901; ISSN(E): 2278-991X, Vol. 4, Issue 4, Jun- Jul 2015, 17-24.
13. **Gopakumar C.**, Reshma S., "Wavelet Based Analysis of ECG Signal for the Detection of Myocardial Infarction Using SVM Classifier", International Journal of Electronics and Communication Engineering (IJECE), ISSN(P): 2278-9901; ISSN(E): 2278-991X, Vol. 4, Issue 4, Jun- Jul 2015, 9-16.
14. Remya R.S., Hariharan S., Keerthi V., Gopakumar C., "Preprocessing G-banded metaphase: towards the design of automated karyotyping", SN Applied Sciences, 1, 1710 (2019). <https://doi.org/10.1007/s42452-019-1754-z>

RESPONIBILITIES

- Head of the department, Department of Electronics and Communication Engineering
- Research supervisor under KTU, currently guiding 4 research scholars
- External Academic Auditor of KTU
- Nominee from the institution for the implementation of National Innovation and Startup Policy (NISP) of MHRD's innovation cell, Govt. of India, at College of Engineering karunagappally
- Single Point of Contact (SPOC) of SWAYAM-NPTEL local chapter
- Expert evaluator of KSCSTE, Kerala, for their students' funded projects.
- External member of Doctoral Committee in 2 research centers under KTU.
- In charge of the student's department association
- In charge of the Student's Music club in the college
- Performing as resource person - delivered 21 expert lectures for faculty development programs at different Institutions in Kerala.

- Held responsibility of Chief Superintendent of University Exams. (KTU) in College of Engineering Karunagappally during 2017-2018
- Held responsibility of Chief Superintendent of University Exams. (CUSAT) in College of Engineering Chengannur during 2011-2013

AWARDS

- Award received as the Mentor of the project entitled 'Safety Walkie' in YUVA MASTERMIND 2011, a state level competition for science and Technology projects for students, organized by Malayala Manorama in 2011, that bagged the first prize of Rs. 1 Lakh and was awarded by Dr. A. P. J. Abdul Kalam
- VAIGA AGRI HACK 2021 innovation award, organized by Department of Agriculture Development and Farmers' Welfare, Govt. of Kerala