

# Publications

## International Journals

1. J Nirmaladevi & KB Raja, '**Quantifying speech signal of deaf speakers with territory specific utterances to understand the acoustic characteristics**', International Journal of Biomedical Engineering and Technology 26 (3-4), 365-375, 2018
2. R.Vinoth & K.Bommannaraja, '**FPGA Design of Efficient Kidney Image Classification using Algebraic Histogram Feature Model and Sparse Deep Neural Network (SDNN) Techniques**', IEEE Conference on Emerging Devices and Smart Systems (ICEDSS), IEEE Explorer, 2017.
3. NirmalaDevi Jaganathan & Bommannaraja Kanagaraj, '**Analysis of Dravidian words uttered by Deaf Speakers using clustering techniques Deaf Speech Enhancement**', International Journal of Biomedical Engineering and Technology, 23(2-4), pp. 109–122, 2017.
4. R.Jayanthi and Dr K.Bommannaraja '**Early Detection of Macular Edema in Fundus Image Datasets using Neural Network**' International Journal of Innovative Research in Engineering Science and Technology, Vol. V, Issue 02, Pp 82-94, June 2017.
5. R.Vinoth & K.Bommannaraja, '**An Enhanced Ultrasound kidney Image Classification for Health Care**', Biomedical Research-An International Journal of Medical Sciences, Allied Academies Publisher, USA, ISSN: 0970-938X, Special Issue: Computational Life Sciences and Smarter Technological Advancement, pp.S46-S52, 2016.
6. R.Jayanthi and Dr K.Bommannaraja '**A Review of various Microaneurysm Detection Methods for Grading of Diabetic Retinopathy**' – International Research Journal of Engineering and Technology, Volume 3, Issue 2, 2016. NirmalaDevi Jaganathan & Bommannaraja Kanagaraj, '**Analysis of Deaf Speakers Speech Signal for Understanding the Acoustic Characteristics by Territory Specific Utter-ances**', Circuits and Systems, Vol 7, No 8, pp. 1709-1721, 2016
7. NirmalaDevi Jaganathan & Bommannaraja Kanagaraj, '**An Integrated Approach for Deaf Speech Enhancement Using Modified SOM Clustering for Deaf Speech Enhancement**', Advances in Natural and Applied Sciences, Vol 10, No 8, pp. 56-64, 2016.
8. P John Augustine, Dr.K.Bommanna Raja, '**M-Tree based on the Fly Automatic Webpage Adaptation for Small Display Device**', Asian Journal of Research in Social Sciences and Humanities, Vol 6, Issue 10, 2030-2042, 2016.
9. B. Sundarambal and K. Bommanna Raja, '**Automated System for Identification and Classification of Medical Imaging Modalities**', Journal of Medical Imaging and Health Informatics, Vol.6, 1-8, 2016.
10. R.Vinoth, Dr.K.Bommannaraja, '**Analysis of Speckling Noises on US Kidney Images using Transform**', has been published in International Journal of Applied Engineering Research (IJAER) Research India Publications ISSN: 0973-4562, Vol. 10, Issue 9, pp.8699-8704, 2015.
11. R.Vinoth, Dr.K.Bommannaraja, M.Balaji, '**Digital System Analysis of Single Bit Full Adder using Logic Gates**', has been published in International

- Journal of Applied Engineering Research (IJAER) Research India Publications ISSN: 0973-4562, Vol. 10, Issue 9, pp.8705- 8709, 2015.
12. Ravindrakumar, S & Bommanna Raja, K, '**A Dynamic Model for FECG Synthesis and Preprocessing :A Signal Processing Approach**', Springer Book series on Advances in Intelligent Systems and Computing, vol. 308, pp. 761-770, ISBN 978-81-322-2134-0,2015
  13. Ravindrakumar, S & Bommanna Raja, K 2015, '**Certain Investigation On De-Noising the Multichannel Abdominal ECG Signal Using Various Adaptive Noise Suppression Techniques**', Australian Journal of Basic and Applied Sciences, vol. 9, no. 5, pp. 372-380.
  14. B. Sundarambal and K. Bommanna Raja, '**Medical Imaging Modality Techniques: A Review**', International Journal of Applied Engineering Research (IJAER), ISSN: 0973-4562, Special Issue, Volume 10, Number 9, pp.8515-8518, 2015.
  15. P.John Augustine, Dr.K.Bommanna Raja, '**Smart Web Page Adaptation Systems For Mobile Web Browsing**',Advances in Natural and Applied Sciences, Vol 9, Issue4, 10-15, 2015.
  16. Jeyakumar, Vijay, Bommanna Raja (2015), "**A Framework for Medical Image Retrieval System using Ant Colony Optimization and Weighted Relevance feedback**", Journal of Medical Imaging and Health Informatics, Vol.5, No.7, pp.1383-1389.
  17. Vijay Jeyakumar and Bommanna Raja Kanagaraj (2014), "**Evaluation of Similarity Measures in a Medical Image Retrieval System**", International Journal of Applied Engineering Research", Vol. 9, Issue 21, pp. 11039-11052.
  18. Sriram Selvaraj and Kanakaraj Bommanna Raja (2014), "**K-Means Clustering Based Segmentation of Lymphocytic Nuclei For Acute Lymphocytic Leukemia Detection**", International Journal of Applied Engineering Research, Vol. 9, Issue 21, pp. 11423-11432.
  19. Gayathri V Panicker, Bharathi. V., Geethu. P., and Bommanna Raja. K (2014), "**Studies on Web Based Patient Support System for Health Monitoring and Quality of Life**", International Journal of Chemical, Environmental & Biological Sciences, Vol. 2, Issue 1, ISSN 2320-4087, pp. 76 – 82.
  20. Karthikeyini Chockaian, Rajamani Vayanaperumal, Bommanna Raja Kanakaraj (2014), "**Exploring Fingerprints using Composite Minutiae Descriptors to Determine Hereditary Relation across Multiple Generations**", International Journal of Biomedical Engineering and Technology, Vol. 15, No. 3, pp. 224 - 242.
  21. P. John Augustine and K. Bommanna Raja (2014), "**Modelling, Analysis and Optimization of Web Based Service Adaptation: A Review**", International Journal of Computer Science & Technology, Vol. 5, Issue 1-1, pp. IJCST/51/1/A-1854.
  22. Vijayalakshmi P R and Bommanna Raja K (2014), "**Secure Key Exchange in New Multi- Party Identity-Based Authenticated Key Agreement Protocol**", Journal of Theoretical and Applied Information Technology, Vol.64, No. 3, pp. 724 – 729
  23. D. Raghupathikumar and K. Bommanna Raja (2014) "**A combined low latency and weighted fair queuing based scheduling of an input-queued switch**", Journal of Computer Science, Vol. 10, No. 9, pp. 1447-1457
  24. Chockaian, K. ; Vayanaperumal, R. ; Kanagaraj, B.R., (2013) "**New**

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