Abstract

Breast Cancer is the most common incursive cancer which is found in females all through the world. Of all the female cancers it comprises of 16% and it accounts for 22.9% of invasive cancer in women. Of all the cancer deaths 18.2% are from breast cancer which includes males and females. As the modern science is improving many researches and techniques have been emerged to eradicate this dreadful disease. So there is a need of an automated computer aided diagnosis system and it is proposed here. This survey paper focus on highlighting different techniques on enhancement, detection and classification of breast cancer along with its accuracy.

References

1. Every Women Counts, Resource for Health Professionals.
3. A Review On Breast Abnormality Segmentation And Classification Techniques
4. Huai Li, K. J. Ray Liu and Shih-Chung B. Lo, ‘Fractal Modeling and Segmentation for the 
Enhancement of Microcalcifications in Digital Mammograms’, IEEE TRANSACTIONS ON 
5. Vijaya Kumar Gunturu, Ambalika Sharma ‘Contrast Enhancement of Mammographic 
Images Using Wavelet Transform’, ©2010 IEEE.
Method for Extraction of Pectoral Muscle and Removal of Artefacts in Mammogram,’ IOSR 
7. B. Senthilkumar and G. Ummamaheswari, ‘Combination of Novel Enhancement Technique 
and Fuzzy C Means Clustering Technique in Breast Cancer Detection’ Biomedical Research 
2013; 24 (2); 252-256.
8. J. Dheeba, N. Albert Singh, S. Tamil Selvi ‘Computer-aided detection of breast cancer on 
mammograms: A swarm intelligence optimized wavelet neural network approach’, Journal of 
9. Mohamed Meselhy Eltoukhy, Ibrahima Faye1, Brahim Belhaouari Samir, ‘Breast cancer 
diagnosis in digital mammogram using multiscale curvelet transform’, Computerized Medical 
10. S. Julian Savari Antony, Dr. S. Ravi, ‘A New Approach to Determine the Classification of 
Mammographic Image Using K-Means Clustering Algorithm’, International Journal of 
IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS), Volume 9, Issue 3 Ver. II 
(May - Jun. 2014), PP 48-51
12. Y. Ireaneus Anna Rejani, Dr. S. Thamarai Selvi Noorul ‘Early Detection Of Breast Cancer 
Using SVM Classifier Technique’, International Journal on Computer Science and Engineering 
Vol.1(3), 2009, 127-130
13. S. Shanthi, and V. Murali Bhaskaran,‘Computer Aided System for Detection and 
Classification of Breast Cancer’, International Journal of Information Technology, Control and 
Automation (IJITCA) Vol.2, No.4, October 2012
Techniques for Mammogram Images’, IOSR Journal of Engineering (IOSRJEN), Vol. 05, Issue 
02 (February. 2015)
15. S. Deepa, Dr. V. Subbiah Bharathi, ‘Textural Feature Extraction and Classification of 
Mammogram Images using CCCM and PNN’, IOSR Journal of Computer Engineering 

Index Terms

Computer Science

Applied Sciences
Keywords

Accuracy, Breast Cancer, CAD, Classifiers, Detection, Enhancement. MIAS.