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## Diagnosis of dermatological lesions using intelligent techniques

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Identifying dermatological diseases is a challenging task nowadays. The architecture employed three phases of operation to perform efficient retrieval of images of skin lesions. First phase carries segmentation of lesion region. Second phase carries color, texture and shape feature vectors extraction and the features are normalized and best features are selected. Third phase carries multi class classification technique. The results using receiver operating characteristic (ROC) curve proved that the proposed architecture is highly contributed to computer aided diagnosis of skin lesions. Experiments on a set of 1450 images are analyzed. Our empirical evaluation has a superior retrieval and diagnosis performance when compared to other works.

### Biography

G Wiselin Jiji has completed his PhD from Anna University and Postdoctoral studies from University Medical Centre, Hamburg, Germany. She is the Research Director of Computer Science & Engineering. He has published more than 55 papers in reputed journals and has been serving as an Editorial Board Member of repute. She had completed 14 research projects in the area of Bio Medical imaging, Pattern Recognition and Remote Sensing Images. Her area of interest is neural network, image processing & medical imaging. She has received 12 national awards and she got HRD fellowship from Indian Council for Medical Research, New Delhi.

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