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## **Abstract**

Skin cancer is one of the deadly forms of tumors in humans. It is dangerous that it develops quickly and effortlessly metastasizes. The skin cancer is visually diagnosed, by an initial clinical screening followed by clinical examination and biopsy. Late identification of the malignant melanoma is in charge of 75% of deaths connected with skin growths. Increasing rate of skin cancer is high in the present scenario. This paper aims at reviewing various techniques available for the detection and classification of various skin cancers. The aim is to improve the feature of the image and to transform the image into segments to get more significant image and it will be easy to examine the image using genetic algorithm. The proposed methodology includes genetic algorithm operators such as crossover, Mutation and Adaptive GA. Genetic Algorithm was proven to be the most powerful optimization technique in a large solution space.

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## **Keywords**

Dermoscope, Segmentation, Crossover, Mutation, Malignant..