

## عنوان مقاله:

Malignant melanoma diagnosis using machine learning method based on combination of nonlinear and texture features

## محل انتشار:

پانزدهمین کنفرانس بین المللی نوآوری و تحقیق در علوم مهندسی (سال: 1402)

تعداد صفحات اصل مقاله: 19

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## خلاصه مقاله:

In this article, we have presented a new method for diagnosing skin diseases. The proposed method distinguishes between benign and malignant skin diseases (melanoma). The main idea in the proposed method is a new descriptor based on a set of features. In this way, after the images are pre-processed and then blocked, low-level features are extracted from each image block. These features include texture and color. Then the bag of features is extracted from the low level features. Bag of words extraction is based on K-means clustering algorithm. The proposed method was evaluated on a standard data set and the accuracy results of the proposed method are far better than other previous methods.

## کلمات کلیدی:

skin diseases detection, machine learning, melanoma

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1741363>

