

## عنوان مقاله:

A Survey OF Emotion Recognition Methods Using EEG signals

## محل انتشار:

پنجمین کنفرانس بین المللی فناوری های نوآورانه در زمینه علوم، مهندسی و تکنولوژی (سال: 1399)

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## خلاصه مقاله:

Introduction: in this research, we have shown emotion recognition through EEG processing. In the beginning, the general definitions of the term are to further study the structure of the human brain as the brain signal generator, and then we will explain the electroencephalogram. Methods: In this study, some of the most important features of the extraction feature are mentioned. These described is DWT- PCA- DFT- STFT- EMD methods include linear and non-linear methods or analyzes in time domain and frequency. One of the linear methods we have And non-linear methods can be pointed out RP- PP- ICA. Finally, the accuracy and precision of the operation of each of the most important categories are stated for the classification of the general and final categorization. In this study, we describe the classification methods SVM- KNN - NN -LDA- QDA case We reviewed. Results: Neural networks also had easy training and careful classification. The accuracy of the classification function performance was reported using the 48.78% neural network. k- nearest neighbor was easy to understand and easy to implement, but it worked poorly at runtime. The accuracy of this type of classification is 52.44%. In the research the results of classification with backup vector machine 56.10% reported.

## کلمات کلیدی:

Emotion Recognition, EEG signals, Feature Extraction, Linear methods, non-linear methods, Classification

## لینک ثابت مقاله در پایگاه سیویلیکا:

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