



**RESEARCH ARTICLE**

# Detection of an Individual after Piercing Using Ear Biometric

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*Abstract— Biometric authentication using ear biometric is very popular now a days. Ear biometric is new comer in this field. Biometric became demandable in this modern era for the purpose of security. The human ear is a perfect source of data for passive person identification in many applications. In this paper, problem of identification due to piercing is being considered. The implemented method consists of three stages. In the first stage, pre-processing of ear is done. In the second stage, features are extracted. In next stage, matching is done between pierced and non-pierced image of an individual.*

*Key Terms: - Ear biometrics; feature extraction of ear; verification; identification; ear recognition*

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