

# **CONTRIBUTION FOR THE ESTABLISHMENT OF, INTENSITY-DURATION- FREQUENCY CURVES IN TIPAZA AREA IN ALGERIA**

**Bénina TOUAIBIA, A. OULD AMARA, Fouzia DERNOUNI, B. REKIK**

## **Abstract:**

In this paper, we examine two approaches for the establishment the Intensity-Duration-Frequency curves which are useful for many design application. One is based on the statistic analysis storm and the other on the maximal daily rain, method very useful in urban area when the data on short rain falls are non existent.

The objective paper is to compare the results for climatic coefficient obtained. 497 storms are studied for 17 years of observations in the Tipaza area, very much vulnerable for flash floods.

**Keywords:** IDF; Storm; Maximal daily rain; Climatic coefficient.