

# **PARAMETERS OF THE CHARACTERISTIC FLOOD FLOW OF OUED MEKERRA AND ITS ROLES IN THE STUDY OF FLOODS**

**A.YAHIAOUI, Bénina TOUAIBIA**

## **Abstract :**

Both maxima instantaneous flow and the characteristic duration of the flood of oued Mekerra in the western of Algeria are two parameters of the flood flow characteristic of the catchment in the analysis and by the "Inondabilité" technique. The analysis of observed hydrographs flood flow can define the nature of the relation between the maxima of flood flows and its characteristic durations. Frequency analysis of the maxima annual instantaneous flood flow after a comparative study can determine the first parameter: The instantaneous maximal annual decade, then the second characteristic flood duration can be obtained directly from the first one by mean of the nature of the distribution between the pick flood flows and its corresponding durations. The establishment of the Flowduration-Frequency models can be obtained once these two characteristics will be known.

**Key Word:** Instantaneous flow; characteristic duration; QdF Models.