



Diversity and distribution of reptiles of the Algerian Sahara

MOUANE Aicha¹, AOUIMEUR Souad¹

^{1,2} Faculty of Sciences of nature and of life, University Hamma Lakhdar, BP. 789 El

Oued , Algérie,

nawelfsom@yahoo.fr

Abstract

Our study, based on observations and catches of the reptiles of the northern Sahara (2009-2015), in homogeneous stations representing the main landscape units and ecosystems of these regions. We have identified 25 species (15 Sauriennes), (8 Ophidiennes) and a chelonien; distributed on 2 levels (Chelonia and Squamata) and 10 families.

The distribution of species according to the habitats to highlight the richness of the Erg renfome which the highest number of individuals captured (387 individuals). The total wealth the Most High is noted in the Palm grove with 16 species as well the Shannon diversity index (3.06) and equilibrate 0.76.

The factorial analysis shows that there are species characteristic of habitats such as the *Tarentola* regarded as specific species of the urban site and the Palm grove. The *Scincus scincus* specific species of the Erg.

Keywords: Diversity, Reptile, Algerian Sahara and habitats.