

Abstract

Crocodiles (Crocodylia) during their evolution have created many diverse forms. In this work is described their phylogenetic progress with a description of the important groups and taxonomical classification into the families. The classification is based on elder literature upgraded by actual commentaries. The work describes some of their anatomic and morphologic characters mostly of the recent species, which differentiates them from other reptiles or birds groups. In the Czech Republic were founded some crocodile's fragments belongs to genus *Diplocynodon* from Most Miocene basin. This work includes previous research of these finds.

Key words: Crocodylia, evolution, *Diplocynodon*, Czech Republic