

## New frogs from the latest Cretaceous of Hațeg Basin, Romania

Márton Venczel and Zoltán Csiki

*Acta Palaeontologica Polonica* 48 (4), 2003: 609-616

The latest Cretaceous (Maastrichtian) fluvio-lacustrine deposits of Hațeg Basin (Romania) have yielded a number of aquatic and terrestrial microvertebrates, including dissociated skeletal remains of the following anuran taxa: *Hatzegobatrachus grigorescui* gen. et sp. nov., *Paralatonia transylvanica* gen. et sp. nov., and *Anura* indet. *H. grigorescui* sp. nov. (type species), retaining some leiopelmatid-grade anuran features, is diagnosed as a small-sized primitive frog with still unclear relationships. *P. transylvanica* sp. nov. (type species) is a middle-sized discoglossine frog. Based on the characters of jaw-bones and post-cranial skeletal elements, it appears as intermediate between primitive (*Eodiscoglossus*-like) and more derived (*Latonina*-like) discoglossine discoglossid. In *Hatzegobatrachus* and *Paralatonia* the morphology of the hipbones shows that they differ in saltatorial abilities. Consequently, these forms may have occupied distinct ecological niches, suggesting that the latest Cretaceous microvertebrate assemblages of Hațeg Basin were connected to more complex ecosystems than considered before.

**Key words:** Cretaceous, Maastrichtian, Amphibia, Anura, Romania.

Márton Venczel [[mvenczel@rdslink.ro](mailto:mvenczel@rdslink.ro)], Țării Crișurilor Museum, B-dul Dacia

1–3, RO–410464 Oradea, Romania; Zoltán Csiki [[dinozoli@geo.edu.ro](mailto:dinozoli@geo.edu.ro)], Department of Geology and Paleontology, Faculty of Geology and Geophysics, University of Bucharest, B-dul N. Bălcescu 1, RO–010041 Bucharest, Romania.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see [creativecommons.org](http://creativecommons.org)), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.



[Full text \(625.8 kB\)](#)

