



MEGHÍVÓ

Az MTA–MTM–ELTE Paleontológiai Kutatócsoportja és az MTM Őslénytani és Földtani Tára félig formális, félig kötetlen, házi (de nyilvános) előadás-sorozatának ötvenhatodik előadására

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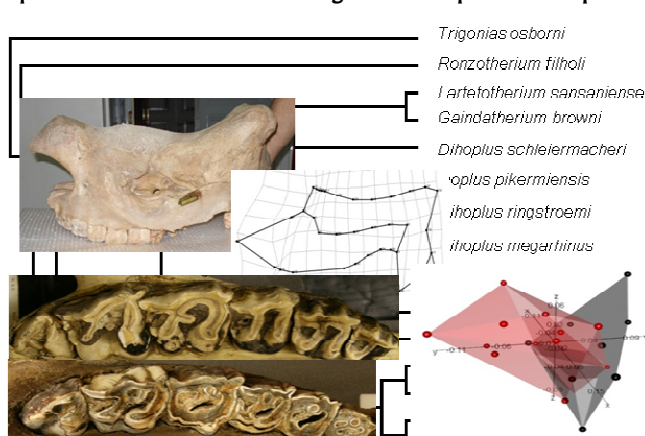
Systematics and Phylogeny of Rhinocerotini (Mammalia, Rhinocerotidae)

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Helye: az Őslénytár könyvtára (Ludovika tér 2.)



The Tribe Rhinocerotini includes the extant rhinoceroses that are distributed in limited areas of South-Eastern Asia and Africa. During the Neogene and Pleistocene this Tribe was widely distributed in Eurasia and Africa. Despite this, the taxonomy of the group is still debated and the identification of the different fossil species as well as determining their temporal and spatial distribution is sometimes difficult.



The systematic revision of several specimens recognized at least 40 valid species belonging to Rhinocerotini and allowed to re-define the biochronology and palaeobiogeography of some taxa. Moreover, using the most complete taxon sampling ever for this group, a maximum parsimony analysis was performed in order to identify the synapomorphies of the Rhinocerotini and to clarify its inner phylogenetic relationships. Mapping the character states in the strict consensus tree, the five extant species are placed in agreement with the most recent molecular analysis. The new phylogenetic analysis also suggest a close relationship between the South-Eastern Asian

species, whereas the African taxa are more closely related to Coelodontina. In the end, landmark-based geometric morphometrics (Generalized Procrustes Analysis, GPA) are also used to quantify the overall cranial shape variation in Rhinocerotini and to investigate both the similarities and differences among this group and the other Tribes of the Family Rhinocerotidae. Preliminary results show that the cranial morphologies of the early Rhinocerotini are intermediate between the diceratheres and the teleoceratines. The latter are very close to the aceratheres.

Vendégünk a SYNTHESYS projekt keretében érkezett, házigazdája Gasparik Mihály.

Az előadásra minden érdeklődőt szeretettel várunk!