Tuberona nom. nov., a replacement name for *Tuberocandona* Külköylüoğlu et al., 2023 (Crustacea, Ostracoda)

Okan Külköylüoğlu[1] & Claude Meisch[2]

[1] Department of Biology, Faculty of Arts and Science, Bolu Abant İzzet Baysal University, 14300 Bolu, Turkey · kulkoyluoglu_o@ibu.edu.tr https://orcid.org/0000-0003-4712-5612

[2] Musée national d'histoire naturelle, 25, rue Münster, L-2160 Luxembourg, Luxembourg · claude.meisch@education.lu https://orcid.org/0000-0002-2975-9366

Külköylüoğlu, O. & C. Meisch, 2023. *Tuberona* nom. nov., a replacement name for *Tuberocandona* Külköylüoğlu et al., 2023 (Crustacea, Ostracoda). *Bulletin de la Société des naturalistes luxembourgeois* 125: 125–126. https://doi.org/10.59513/snl.2023.125.125

Published online 10 November 2023 (ISSN 2716-750X), printed volume 12 December 2023 (ISSN 0304-9620).

Abstract. The name *Tuberocandona* has been applied to two different genera of Ostracoda, first to a fossil genus described in 1995 from Europe and then to an extant genus reported in 2023 from North America. Because the name of the European genus takes precedence, a new name is proposed for the North American taxon.

Keywords. Crustacea, Ostracoda, *Tuberocandona*, *Tuberona*, taxonomy, nomen novum.

The recently erected ostracod genus *Tuberocandona* Külköylüoğlu et al., 2023 is preoccupied by *Tuberocandona* Olteanu, 1995. Under the articles of the International Code of Zoological Nomenclature (ICZN 1999), two genera should not have the same name and therefore the following new name is here proposed for the junior homonym: *Tuberona* nom. nov.

Olteanu (1995: 284) introduced the genus *Tuberocandona* to include the fossil species *Tuberocandona ornata* (Hanganu, 1977), previously assigned to the genus *Caspiocypris* Mandelstam, 1956 of Candonidae Kaufmann, 1900.

Tuberocandona ornata, the type species of its genus, was collected from Pliocene (Dacian) sediments of the Dacic Basin in Romania (Olteanu 1995, 2000; Mărunțeanu et al. 2000). To the present authors' best knowledge, it is to date the only species assigned to that genus.

The genus *Tuberocandona* Külköylüoğlu et al., 2023 was erected for the single species *Tuberocandona leonidasi* Külköylüoğlu et al., 2023 collected from springs in Texas, USA. The latter genus is here proposed to be renamed as *Tuberona* nom. nov. The valid name of the Texan species becomes *Tuberona leonidasi* (Külköylüoğlu et al., 2023) comb. nov.

Both the fossil and the extant species possess tuberculated valves – densely distributed small tubercles in *Tuberocandona ornata* versus two prominent lateral projections on each valve of *Tuberona leonidasi* comb. nov. –, hence the names of the two genera to which they belong.

Tuberona nom. nov. preserves the ending in '*ona*' of *Candona* Baird, 1845, the type genus of Candoninae Kaufmann, 1900 and Candonidae Kaufmann, 1900, the subfamily and family to which the genus *Tuberona* nom. nov. belongs.

Acknowledgments

We are grateful to Burkhard Scharf (D-Bremen), who reviewed the manuscript and suggested improvements. We thank Thierry Helminger (Luxembourg) for the page layout.

References

ICZN, the International Code of Zoological Nomenclature (4th ed.), 1999. International Trust for Zoological Nomenclature, London. Available at https://www.iczn.org/the-code/the-code-online/

Hanganu, E., 1977. Nouvelles espèces de Cyprididae dans le Dacien supérieur de la Muntenie orientale (Roumanie). *Bulletin de la Société Belge de Géologie* 8 (1976) (1/2): 51-61.

Külköylüoğlu O., A. Ataman, R. Gibson & P. Diaz, 2023. A new genus, *Tuberocandona* gen. nov. (Crustacea, Ostracoda, Candonidae) and past to present ostracod species diversity in Texas (USA). *Subterranean Biology* 45: 119-140. https://doi.org/10.3897/subtbiol.45.98075.

Mărunțeanu M., I. Papaianopol, G. Popescu, R. Olteanu, R. Macaleț, S. Pestrea & I. Petcu, 2000. Biostratigraphic studies for the standard scale of the Neogene - Moesian and Moldavian Platforms. *Anuarul Institutului Geologic al României* 71: 63-68.

Olteanu, R., 1995. Dacian Ostracodes. In: F. Marinescu & I. Papaianopol (eds): Chronostratigraphie und Neostratotypen, Neogen der zentralen Paratethys 9 (Dacien): 268-313. București.

Olteanu, R., 2000. Ostracode-Zones in the Upper Neogene of the Dacic Basin. *Anuarul Institutului Geologic al României* 71: 69-74.