

## Validation of *Neobirsteiniamysis* Hendrickx and Tchindonova, proposed for the *nomen nudum* *Birsteiniamysis* Tchindonova (Crustacea: Mysida)

Michel E. Hendrickx<sup>1</sup>  [orcid.org/0000-0001-9187-6080](https://orcid.org/0000-0001-9187-6080)

Julia G. Tchindonova<sup>2</sup>

<sup>1</sup> Unidad académica Mazatlán, Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México. A.P. 811, Mazatlán, Sinaloa, 82000, Mexico.

<sup>2</sup> Udalcova Str., 12, Moscow 119425, Russia.

**ZOOBANK:** <http://zoobank.org/urn:lsid:zoobank.org:pub:D97FB0CF-DBB3-456A-94AD-0681A15D5E5A>

### ABSTRACT

A new genus of Mysidae, *Neobirsteiniamysis*, was proposed in early 2020 for the *nomen nudum* *Birsteiniamysis* Tchindonova. This new genus, however, was not available for being published online only. The new genus is hereby officially registered in Zoobank and validated.

### KEYWORDS

Mysidae, new genus, type species

The genus name *Neobirsteiniamysis* was proposed by Hendrickx *et al.* (2020) for the *nomen nudum* *Birsteiniamysis* Tchindonova (Tchindonova, 1979; 1981; 1993) (see Hendrickx *et al.*, 2020). The article in which *Neobirsteiniamysis* was originally proposed was published online only (Hendrickx *et al.*, 2020) but did not include a ZooBank registration number (LSD) required for validation of new names in electronic-only publications. *Neobirsteiniamysis* as originally proposed is therefore not available according to the International Code of Zoological Nomenclature (ICZN, 2012). The present note serves to validate the name *Neobirsteiniamysis* by fulfilling the ICZN conditions for nomenclatural availability.

Corresponding Author  
Michel E. Hendrickx  
[michel@ola.icmyl.unam.mx](mailto:michel@ola.icmyl.unam.mx)

SUBMITTED 16 June 2020  
ACCEPTED 30 July 2020  
PUBLISHED 21 October 2020

DOI 10.1590/2358-2936e2020040



All content of the journal, except where identified, is licensed under a Creative Commons attribution-type BY.

Nauplius, 28: e2020040

## SYSTEMATICS

## Family Mysidae Haworth, 1825

*Neobirsteiniamysis* gen. nov.

Zoobank: [urn:lsid:zoobank.org:act:8275C382-3A58-4D40-8238-54D28341C544](https://zoobank.org/act:8275C382-3A58-4D40-8238-54D28341C544)

*Birsteiniamysis*.– Tchindonova, 1979: 102 (*nomen nudum*)

*Birsteiniamysis*.– Tchindonova 1981: 26, 29 (*nomen nudum*)

*Birsteiniamysis*.– Tchindonova, 1993: 153 (*nomen nudum*)

*Neobirsteiniamysis* Hendrickx and Tchindonova in Hendrickx *et al.*, 2020: 21 [unavailable name]

**Diagnosis.** Eyes without pigments, outer margin strongly or slightly concave laterally, presence of microfibrillar microstructures on the concave surface, visual elements inside the proximal part of the eye-stalk present or absent, ocular papilla present; lateral edges of the telson always wider or equal to proximal part; statocyst poorly developed.

**Type species.** *Petalophthalmus inermis* Willemoes-Suhm, 1875 by present designation.

**Etymology.** A combination of “*neo*” (Latin for new) and “*Birsteiniamysis*” (the genus-name it replaces) indicates the origin of the proposed new genus and its historical relationship with the *nomen nudum* *Birsteiniamysis*. Gender feminine.

**Species included.** *Neobirsteiniamysis inermis* (Willemoes-Suhm, 1875) *comb. nov.* and

*Neobirsteiniamysis caeca* (Birstein and Tchindonova, 1958) *comb. nov.*

**Remarks.** More details on the taxonomy of the genus *Neobirsteiniamysis* are available in Hendrickx *et al.* (2020).

## REFERENCES

- Birstein, J.A. and Tchindonova, J.G. 1958. Glubocovodniie Mysidii severo zapadnoi chasti Tihogo Okeana (The deep sea mysids of the northwest Pacific Ocean). *Trudy Instituta Okeanologii* (= *Transactions of the Institute of Oceanology*), 27: 258-355 [in Russian].
- Hendrickx, M.E.; Sidorov, D. and Tchindonova, J.G. 2020. Replacement for the nomenclaturally unavailable name *Birsteiniamysis* Tchindonova (Crustacea, Mysida). *Geomare Zoologica*, 2(2): 19–23.
- ICZN. 2012. Amendment of Articles 8, 9, 10, 21 and 78 of the International Code of Zoological Nomenclature to expand and refine methods of publication. *Bulletin of Zoological Nomenclature*, 69: 161–169.
- Tchindonova J.G. 1979. The distribution of deep-sea bottom and near-bottom mysids (Mysidacea, Crustacea) in the World Ocean. Abstract of papers of the 14th Pacific Science Congress, USSR, Khabarovsk, August, 1979: 101–102.
- Tchindonova J.G. 1981. New data on systematic position of some deep-sea mysids (Mysidacea, Crustacea) and their distribution in the world ocean. Proceedings of the XIV Pacific Science Congress 14: 24–33 [in Russian with English abstract].
- Tchindonova J.G. 1993. The distribution of the deep-sea near-bottom pelagial Mysidacea (Crustacea) in the World Ocean and the relationship between high taxons in this group of animals. p. 147–158. In: N.G. Vinogradova (ed), The deep-sea bottom fauna in the southern part of the Atlantic Ocean. *Trudy Instituta Okeanologii Imeni P.P. Shirshova* (Transactions of the P.P. Shirshov Institute of Oceanology), vol. 127 [in Russian].
- Willemoes-Suhm, R. von. 1875. On some Atlantic Crustacea from the ‘Challenger’ Expedition (communicated by W. Thomson). *The Transactions of the Linnean Society of London, Second Series, Zoology*, 1: 23–59.