

## Notas Nomenclaturales / Nomenclatural Notes

### A replacement name for *Pelophila* Dörjes, 1968 (Xenacoelomorpha: Acoela, Convolutidae)

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#### ABSTRACT

The following replacement name in Acoela (Xenacoelomorpha, Acoelomorpha) is proposed: *Acoelopelophila* Ceccolini & Cianferoni **nom. nov.** pro *Pelophila* Dörjes, 1968 nec Dejean, 1821. Further, the following new combination is also established: *Acoelopelophila lutheri* (Westblad, 1946) **comb. nov.**

**Key words:** Acoelomorpha; homonym; new combination; nomenclature change.

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#### RESUMEN

Se ha detectado un homónimo más moderno entre los Acoela (Xenacoelomorpha, Acoelomorpha) y se propone el siguiente nombre sustitutivo: *Acoelopelophila* Ceccolini & Cianferoni **nom. nov.** pro *Pelophila* Dörjes, 1968 nec Dejean, 1821. Se da también la siguiente nueva combinación: *Acoelopelophila lutheri* (Westblad, 1946) **comb. nov.**

**Palabras clave:** Acoelomorpha; cambio de nomenclatura; homónimo; nueva combinación.

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Xenacoelomorpha Philippe *et al.* 2011 is a small phylum of bilateral invertebrates recently established, removing them from Platyhelminthes (Philippe *et al.*, 2011). They seem to be the sister group of the other bilateral animals (Rouse *et al.*, 2016; Cannon *et al.*, 2016) and are divided in the subphyla Xenoturbellida Bourlat *et al.*, 2006, with 6 species known (WoRMS, 2021), and Acoelomorpha Ehlers, 1985, including about 435 species, most of them accommodated in the order Acoela Uljanin, 1870 (Zhang, 2013).

We detected a homonym genus name in Acoelomorpha Acoela and herein we propose the new substitute name for it.

#### REPLACEMENT NAMES

Dörjes (1968: 114) established the new genus name *Pelophila* to accommodate two new species: *P. cavernosa* and *P. pachymorpha*. Currently the name is still in use, even if both the original combinations are not still accepted. Indeed *Pelophila pachymorpha* is now

classified in the genus *Pelochildia* Faubel & Warwick, 2005, whilst *Pelophila cavernosa* (the type species of the genus) is considered a subjective junior synonym of *Pelophila lutheri* (Westblad, 1946) (Tyler *et al.*, 2021).

However, the name *Pelophila* had already been used in Zoological Nomenclature. Dejean (1821: 7) introduced this name to accommodate the species *Carabus borealis* Paykull, 1790 (Coleoptera, Carabidae) in his catalogue. Dejean's name is still in use (Huber & Marggi, 2017; Rees, 2021).

Therefore, *Pelophila* Dörjes is a junior homonym of *Pelophila* Dejean and, since no synonym is available, it must be replaced according to ICZN (1999, Arts. 60.1, 60.2). Herein we propose *Acoelopelophila* Ceccolini & Cianferoni **nom. nov.**

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#### ETYMOLOGY

The new name remarks the classification of the genus in the order Acoela, adding the prefix *Acoel-* and the linking vowel *-o-* to the original name. Feminine gender.

#### SYSTEMATICS

Family CONVOLUTIDAE Graff, 1905

Genus *Acoelopelophila* Ceccolini & Cianferoni **nom. nov.** = *Pelophila* Dörjes, 1968 nec Dejean, 1826

Species *Acoelopelophila lutheri* (Westblad, 1946) **comb. nov.** = *Pelophila lutheri* (Westblad, 1946) = *Aphanostoma lutheri* (Westblad, 1946) = *Mecynostomum lutheri* (Westblad, 1946) = *Praeaphanostoma lutheri* Westblad, 1946 = *Pelophila cavernosa* Dörjes, 1968 (type species)

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