

# Actual checklist of Tardigrada species

(2009-2024, 43<sup>rd</sup> Edition: 01-07-2024)

PETER DEGMA<sup>1</sup> ROBERTO GUIDETTI<sup>2</sup>

<sup>1</sup>*Department of Zoology, Comenius University in Bratislava, Mlynska dolina, Ilkovicova 6/B-1,  
84215 Bratislava, Slovakia; e-mail: peter.degma@uniba.sk*

<sup>2</sup>*Department of Life Sciences, University of Modena and Reggio Emilia, via Campi 213/D, 41100  
Modena, Italy; e-mail: roberto.guidetti@unimore.it*

## Introduction

More than one thousand Tardigrada species were included in the published checklist (**Guidetti, R. & Bertolani, R. 2005. Tardigrade taxonomy: an updated check list of the taxa and a list of characters for their identification. Zootaxa, 845, 1–46.**) plus the additions and corrections to this checklist (**Degma, P. & Guidetti, R. 2007. Notes to the current checklist of Tardigrada. Zootaxa, 1579, 41–53.**). For practical reasons, we have joined these two papers (without comments added to particular taxa as well as without references published in these papers) into an accurate combined version of the checklists. We incorporated all taxonomical novelties in the current edition of the Checklist even if they were published just online. Then, following the International Code of Zoological Nomenclature, we corrected the year of a taxon description in its print edition. This checklist is free for all users, but utilization of it requires the citation of the two original papers. This checklist is the platform for occasional upgrades (date of latest upgrade is in the title). The changes respect to the previous version of the checklist have yellow background.

If you also use these changes, please also cite this checklist (**Degma, P. & Guidetti, R. Actual checklist of Tardigrada species. DOI: 10.25431/11380\_1178608. Accessed date**).

This checklist collects the taxonomic and systematic information available in the bibliography, so the authors do not necessarily share what is reported in the articles used for the composition of this list.

Currently there are 3336 families, 459160 genera, 44641488 species and 2417 additional subspecies included in the checklist.

Please write us if you find any mistake or missing data in this checklist. Your help in its improvement will be acknowledged.

## Acknowledgements

We thank to Professor Clark Beasley (McMurry University, Abilene, Texas, U.S.A.) for his suggestions as well as for help with improving the English in the **first version of this Checklist**. We are very grateful to Emeritus Professor Roberto Bertolani (University of Modena and Reggio Emilia, Italy) who created this list with us and helped keep it updated until its 41th edition. We also thank to Nigel Marley (University of Plymouth, U.K.), Gary Grothman (St. Mary's University, Calgary, Canada), Paulo Fontoura (University of Porto, Portugal), Harry Meyer (McNeese State University, Lake Charles, Louisiana, U.S.A.), Sandra McInnes (British Antarctic

Survey, U.K.), Erica DeMilio (National University of Ireland Galway), Łukasz Kaczmarek (Adam Mickiewicz University in Poznań, Poland), Neil Redgate (Northern Highlands Ecological Research Centre, Castletown, U.K.), Myles O'Reilly (Scottish Environment Protection Agency, Holytown, U.K.), Shinta Fujimoto (Tohoku University, Aomori, Japan), Łukasz Michalczyk (Jagiellonian University, Kraków, Poland), Diane Nelson (East Tennessee State University, Johnson City, Tennessee, U.S.A.), Denis Tumanov (Saint-Petersburg State University, Russia), Jesper Guldberg Hansen (Natural History Museum of Denmark, Copenhagen, Denmark), Piotr Gąsiorek (Jagiellonian University, Kraków, Poland), Hieronymus Dastych (Universität Hamburg, Germany), Daniel Stec (Institute of Systematics and Evolution of Animals, Polish Academy of Sciences, Kraków, Poland) and David Nicolson (ITIS, US Geological Survey, and the Smithsonian Institution NMNH, Washington, DC, USA) for their valuable comments to this checklist.

This study was partly supported by the Slovak Research and Development Agency under the contract APVV-19-0076 Slovak Scientific Grant Agency (VEGA) (grant No. 1/3265/06 and 1/0294/09 to PD) and by the National Recovery and Resilience Plan (NRRP), Mission 4 Component 2 Investment 1.4 – Call for tender No. 3138 of 16 December 2021, rectified by Decree n. 3175 of 18 December 2021 of Italian Ministry of University and Research funded by the European Union – NextGenerationEU. Project Code CN\_00000033, Concession Decree No. 1034 of 17 June 2022 adopted by the Italian Ministry of University and Research, CUP E93C22001090001, Project title “National Biodiversity Future Center – NBFC” to, by University of Modena and Reggio Emilia (50% FAR) and by Fondazione Cassa di Risparmio di Modena (MoDNA project: Morphology and DNA) to RB and RG.

## Checklist of Tardigrada

(The assignment of synonyms are reported within square parenthesis '[ ]'. Amendments and changes of taxa are reported within angle brackets '< >'. Comments are reported within brace parenthesis '{ }'. The species written in bold characters are the genus *type species*)

Phylum: TARDIGRADA Doyère, 1840

Class: HETEROTARDIGRADA Marcus, 1927

Order: ARTHROTARDIGRADA Marcus, 1927

<Grollmann *et al.* 2023 proposed to suppress the order>

Family: Anisognathidae Møbjerg, Jørgensen & Kristensen, 2019

*Anisognathes* Pollock, 1975

<Amended by Bartels *et al.* 2018>

<Amended and transferred from Echiniscoididae by Møbjerg *et al.* 2019>

*Anisognathes deliquus* Chang & Rho, 1998

*Anisognathes diakidius* Pollock, 1975 <Amended by Bartels *et al.* 2018>

*Anisognathes eleutherensis* Bartels, Fontoura & Nelson, 2018

*Anisognathes mauritianus* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

Family: Archechiniscidae Binda, 1978  
[Archechiniscinae in Grimaldi de Zio & D'Addabbo Gallo, 1987]  
{Jørgensen *et al.* 2010 reconsider valid the family}

*Archechiniscus* Schulz, 1953

- Archechiniscus bahamensis* Bartels, Fontoura & Nelson, 2018  
*Archechiniscus biscaynei* Miller, Clark & C. Miller, 2012  
***Archechiniscus marci*** Schulz, 1953  
*Archechiniscus minutus* Grimaldi de Zio & D'Addabbo Gallo, 1987  
*Archechiniscus murilloi* Bartels & Fontoura, 2021 {in Bartels *et al.* 2021}  
*Archechiniscus symbalanus* Chang & Rho, 1998

Family: Batillipedidae Ramazzotti, 1962  
[Discopodidae Marcus, 1934]

*Batillipes* Richters, 1909

- Batillipes acaudatus* Pollock, 1971  
*Batillipes acuticauda* Menechella, Bulnes & Cazzaniga, 2015  
*Batillipes adriaticus* Grimaldi de Zio, Morone De Lucia, D'Addabbo Gallo & Grimaldi, 1979  
*Batillipes africanus* Morone De Lucia, D'Addabbo Gallo & Grimaldi de Zio, 1988  
*Batillipes algharbensis* E. Santos, Rubal, Veiga, da Rocha & Fontoura, 2018  
*Batillipes amblypyge* Menechella, Bulnes & Cazzaniga, 2017  
*Batillipes annulatus* de Zio, 1962  
*Batillipes brasiliensis* E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017  
*Batillipes bullacaudatus* McGinty & Higgins, 1968  
*Batillipes carnonensis* Fize, 1957  
***Batillipes chandrayaani*** Vishnudattan, Rubal & Bijoy Nandan, 2024  
*Batillipes crassipes* Tchesunov & Mokievsky, 1995  
*Batillipes dandarae* E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017  
*Batillipes dicrocercus* Pollock, 1970  
*Batillipes friaufi* Riggin, 1962  
*Batillipes gilmartini* McGinty, 1969  
*Batillipes homocercus* Bartels & Fontoura, 2021 {in Bartels *et al.* 2021}  
*Batillipes ichthyocercus* Bartels & Fontoura, 2021 {in Bartels *et al.* 2021}  
***Batillipes kalami*** Vishnudattan, Rubal & Bijoy Nandan, 2023  
*Batillipes lesteri* Kristensen & Mackness, 2000  
*Batillipes lingularum* Menechella, Bulnes & Cazzaniga, 2017  
*Batillipes littoralis* Renaud-Debyser, 1959  
*Batillipes longispinosus* Chang & Rho, 1997  
*Batillipes lusitanus* Santos, Rubal, Veiga, da Rocha & Fontoura, 2018  
*Batillipes marcelli* Morone De Lucia, D'Addabbo Gallo & Grimaldi de Zio, 1988  
*Batillipes minius* Rubal, Veiga, Fontoura & Sousa-Pinto, 2016  
***Batillipes mirus*** Richters, 1909 [*Batillipes caudatus* Hay, 1917]  
*Batillipes noerrevangi* Kristensen, 1978  
*Batillipes orientalis* Chang & Rho, 1997  
*Batillipes pennaki* Marcus, 1946  
*Batillipes philippinensis* Chang & Rho, 1997

*Batillipes phreaticus* Renaud Debyser, 1959 [*Batillipes littoralis submersus* D'Hondt, 1970]  
*Batillipes potiguarensis* E. Santos, da Rocha, Gomes Jr. & Fontoura, 2017  
*Batillipes roscoffensis* Kristensen, 1978  
*Batillipes rotundiculus* Rho & Chang, 1999 {in Rho *et al.* 1999}  
*Batillipes similis* Schulz, 1955  
*Batillipes solitarius* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014  
*Batillipes spinicauda* Gallo D'Addabbo, Sandulli & de Zio Grimaldi, 2005  
*Batillipes tridentatus* Pollock, 1989  
*Batillipes tubernatis* Pollock, 1971

Family: Coronarctidae Renaud-Mornant, 1974  
<Amended by Hansen 2007>

*Coronarctus* Renaud-Mornant, 1974  
<Amended by Hansen 2007>

*Coronarctus disparilis* Renaud-Mornant, 1987  
*Coronarctus dissimilis* Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2020  
*Coronarctus fastigatus* Renaud-Mornant, 1987  
*Coronarctus laubieri* Renaud-Mornant, 1987  
*Coronarctus mexicus* Romano III, Gallo, D'Addabbo, Accogli, Baguley & Montagna, 2011  
*Coronarctus neptunus* Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2020  
*Coronarctus sonne* Saulenko, Maiorova, Martínez Arbizu & Mordukhovich, 2022  
*Coronarctus stylisetus* Renaud-Mornant, 1987  
***Coronarctus tenellus*** Renaud-Mornant, 1974  
*Coronarctus verrucatus* Hansen, 2007  
*Coronarctus yurupari* Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2020

*Trogloarctus* Villora-Moreno, 1996

***Trogloarctus trionyches*** Villora-Moreno, 1996

Family: Halechiniscidae Thulin, 1928  
<Amended by Fujimoto *et al.* 2017>

Subfamily: Dipodarctinae Pollock, 1995  
<Amended by Jørgensen *et al.* 2014>

*Dipodarctus* Pollock, 1995  
<Amended by Jørgensen *et al.* 2014>

*Dipodarctus anaholiensis* Pollock, 1995  
*Dipodarctus australiensis* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014  
***Dipodarctus borrori*** Pollock, 1995 [*Hemitanarctus chimaera* de Zio Grimaldi, D'Addabbo Gallo, Morone De Lucia & Troccoli, 1995/96 according to de Zio Grimaldi *et al.* 2003]  
*Dipodarctus subterraneus* (Renaud-Debyser, 1959)  
*Dipodarctus susannae* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Subfamily: Euclavarctinae Renaud-Mornant, 1983

*Clavarctus* Renaud-Mornant, 1983

***Clavarctus falculus*** Renaud-Mornant, 1983

*Euclavarctus* Renaud-Mornant, 1975  
<Amended by Renaud-Mornant 1983>

*Euclavarctus convergens* Renaud-Mornant, 1983

***Euclavarctus thieli*** Renaud-Mornant, 1975

*Exoclavarctus* Renaud-Mornant, 1983

***Exoclavarctus dineti*** Renaud-Mornant, 1983

*Moebjergarctus* Bussau, 1992

*Moebjergarctus clarionclippertonensis* Bai, X. Wang, Zhou, Lin, Meng & Fontoura, 2020

***Moebjergarctus manganicis*** Bussau, 1992

*Moebjergarctus okhotensis* Saulenko, Maiorova, Martínez Arbizu & Mordukhovich, 2022

*Parmursa* Renaud-Mornant, 1984

<Amended by Hansen 2007>

***Parmursa fimbriata*** Renaud-Mornant, 1984

*Parmursa torquata* Hansen, 2007

*Proclavarctus* Renaud-Mornant, 1983

***Proclavarctus fragilis*** Renaud-Mornant, 1983

Subfamily: *Florarctinae* Renaud-Mornant, 1982

<Amended by Kristensen 1984 and Hansen & Kristensen 2021>

*Florarctus* Delamare Deboutteville & Renaud-Mornant, 1965

*Florarctus acer* Renaud-Mornant, 1989

*Florarctus antillensis* Van der Land, 1968

*Florarctus asper* Renaud-Mornant, 1989

*Florarctus bellahelenae* Gąsiorek, D. Kristensen & Kristensen, 2021

*Florarctus cinctus* Renaud-Mornant, 1976

*Florarctus glareolus* Noda, 1987

***Florarctus heimi*** Delamare Deboutteville & Renaud-Mornant, 1965 [*Florarctus cervinus*

Renaud-Mornant, 1987 according to Gąsiorek *et al.* 2021a]

*Florarctus hulingsi* Renaud-Mornant, 1976

*Florarctus kwoni* Chang & Rho, 1997

*Florarctus pulcher* Grimaldi de Zio, Lamarca, D'addabbo Gallo & Pietanza, 1999

*Florarctus salvati* Delamare Deboutteville & Renaud-Mornant, 1965

*Florarctus stellatus* Renaud-Mornant, 1989

*Florarctus vulcanius* Renaud-Mornant, 1987

*Florarctus wunai* Fujimoto, 2015

*Florarctus yucatanensis* Anguas-Escalante, de Jesus-Navarrete, DeMilio, Pérez-Pech & Hansen, 2020

*Higginsarctus* Hansen & Kristensen, 2021

*Higginsarctus alatus* (Gomes-Júnior, E. Santos, da Rocha, P.J.P. Santos & Fontoura, 2018)

<Transferred from *Ligiarctus* by Hansen & Kristensen 2021>

*Higginsarctus lassei* Hansen & Kristensen, 2021

*Higginsarctus laurae* Hansen & Kristensen, 2021

*Higginsarctus martini* Hansen & Kristensen, 2021

*Higginsarctus shintai* Hansen & Kristensen, 2021

*Higginsarctus signae* Hansen & Kristensen, 2021

*Ligiarctus* Renaud-Mornant, 1982

<Amended by Gomes-Júnior *et al.* 2018 and Hansen & Kristensen 2021>

*Ligiarctus eastwardi* Renaud-Mornant, 1982

*Wingstrandarctus* Kristensen, 1984

*Wingstrandarctus corallinus* Kristensen, 1984

*Wingstrandarctus crypticus* Renaud-Mornant, 1989

*Wingstrandarctus intermedius* (Renaud-Mornant, 1967) <Amended by Renaud-Mornant 1989>

*Wingstrandarctus stinae* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

*Wingstrandarctus unsculptus* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Subfamily: *Halechiniscinae* Thulin, 1928

<Amended by Grimaldi de Zio *et al.* 1990>

*Chrysoarctus* Renaud-Mornant, 1984

*Chrysoarctus briandi* Renaud-Mornant, 1984

*Chrysoarctus flabellatus* (Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982)

*Halechiniscus* Richters, 1908

*Halechiniscus chafarinensis* Grimaldi de Zio & Villora Moreno, 1995

*Halechiniscus churakaagii* Fujimoto, 2015

*Halechiniscus greveni* Renaud-Mornant & Deroux, 1976

*Halechiniscus guiteli* Richters, 1908

*Halechiniscus janus* Bai, X. Wang, Gao, Y. Li & Fontoura, 2022

*Halechiniscus jejuensis* Chang & Rho, 2002

*Halechiniscus macrocephalus* Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1988

*Halechiniscus paratuleari* Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1988

*Halechiniscus perfectus* Schulz, 1955

*Halechiniscus remanei remanei* Schulz, 1955

*Halechiniscus remanei antillensis* Renaud-Mornant, 1984

*Halechiniscus tuleari* Renaud-Mornant, 1979

*Halechiniscus yanakaagii* Fujimoto, 2015

Subfamily: *Orzeliscinae* Schulz, 1963

<Amended by Gross *et al.* 2014>

*Mutaparadoxipus* Gross, Miller & Hochberg, 2014

*Mutaparadoxipus duodigifinis* Gross, Miller & Hochberg, 2014

*Opydorscus* Renaud-Mornant, 1989

*Opydorscus fonsecae* Renaud-Mornant, 1989

*Orzeliscus* du Bois-Reymond Marcus, 1952

*Orzeliscus asiaticus* Lee, Rho & Chang, 2017

*Orzeliscus belopus* du Bois-Reymond Marcus, 1952 [*Orzeliscus septentrionalis* Schulz, 1953 according to Pollock 1982]

*Paradoxipus* Kristensen & Higgins, 1989

<Transferred from Halechiniscinae by Gross *et al.* 2014>

*Paradoxipus orzeliscoides* Kristensen & Higgins, 1989

Subfamily: Quisarctinae Fujimoto, 2015

*Quisarctus* Fujimoto, 2015

*Quisarctus yasumurai* Fujimoto, 2015

Family: Neoarctidae (de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992)

<Former subfamily of Stygarctidae elevated to family level and amended by Bello & Grimaldi de Zio 1998>

*Neoarcutus* de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992

*Neoarcutus primigenius* de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1992

Family: Neostygarctidae Grimaldi de Zio, D'Addabbo Gallo & De Lucia Morone, 1987

{Not more valid according to Hansen *et al.* 2012, Fontoura *et al.* 2017 and Tchesunov 2018;

Considered valid and amended by Fujimoto & Miyazaki 2013 (however the authors were not aware of Hansen *et al.* 2012 publication); Amended by Kristensen *et al.* 2015}

*Neostygarctus* Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982

<Transferred to Renaudarctidae by Kristensen & Higgins 1984b; Elevated to family level and amended by Grimaldi de Zio *et al.* 1987; Transferred from Neostygarctidae into Stygarctidae by Hansen *et al.* 2012; Re-transferred by Kristensen *et al.* 2015>

*Neostygarctus acanthophorus* Grimaldi de Zio, D'Addabbo Gallo & Morone De Lucia, 1982

*Neostygarctus grossmeteori* Tchesunov, 2018

*Neostygarctus lovedeluxe* Fujimoto & Miyazaki, 2013 {Species described in Neostygarctidae by Fujimoto & Miyazaki 2013}

*Neostygarctus oceanopolis* Kristensen, Sørensen, Hansen & Zeppilli, 2015

Family: Renaudarctidae Kristensen & Higgins, 1984

<Amended by Hansen *et al.* 2012 and by Fujimoto & Yamasaki 2017>

*Nodarctus* Fujimoto & Yamasaki, 2017

*Nodarctus hallucis* Fujimoto & Yamasaki, 2017

*Renaudarctus* Kristensen & Higgins, 1984

<Amended by Hansen *et al.* 2012>

*Renaudarctus fossorius* Hansen, Kristensen & Jørgensen, 2012

*Renaudarctus psammocryptus* Kristensen & Higgins, 1984

Family: Stygarctidae Schulz, 1951

<Amended by Hansen *et al.* 2012>

Subfamily: Megastygarctidinae Bello & de Zio Grimaldi, 1998

<Amended by Hansen & Kristensen 2006>

*Megastygarctides* McKirdy, Schmidt & McGinty-Bayly, 1976

*Megastygarctides christinae* Hansen & Kristensen, 2006

*Megastygarctides gerdae* Hansen & Kristensen, 2006

*Megastygarctides isounguis* Renaud-Mornant, 1981

***Megastygarctides orbiculatus*** McKirdy, Schmidt & McGinty-Bayly, 1976

*Megastygarctides setoloso* Morgan & O'Reilly, 1989

*Megastygarctides sezginii* Ürkmez, Ostrowska, Roszkowska, Gawlak, Zawierucha, Kristensen & Kaczmarek, 2017

Subfamily: Stygarctinae Schulz, 1951

*Faroestygarctus* Hansen, Kristensen & Jørgensen, 2012

*Faroestygarctus dezioae* Hansen, Kristensen & Jørgensen, 2012

*Hansenarctus* Fujimoto & Ohtsuka, 2019

*Hansenarctus toyoshimaruae* Fujimoto & Ohtsuka, 2019

*Mesostygarctus* Renaud-Mornant, 1979

<Amended and reconsidered valid as genus by Hansen *et al.* 2012>

*Mesostygarctus intermedius* Renaud-Mornant, 1979 <Transferred from *Pseudostygarctus* by Hansen *et al.* 2012>

*Mesostygarctus spiralis* Hansen, Kristensen & Jørgensen, 2012

*Parastygarctus* Renaud-Debyser, 1965

<Amended by Hansen *et al.* 2012>

*Parastygarctus biungulatus* Morone De Lucia, Grimaldi de Zio & D'Addabbo Gallo, 1984

*Parastygarctus higginsi* Renaud-Debyser, 1965

*Parastygarctus mediterranicus* Gallo D'Addabbo, Grimaldi de Zio & Sandulli, 2001

*Parastygarctus renaudae* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

*Parastygarctus robustus* Hansen, Kristensen & Jørgensen, 2012

*Parastygarctus sterreri* Renaud-Mornant, 1970

*Parastygarctus svennevigi* Hansen, Kristensen & Jørgensen, 2012

*Prostygarctus* Rubal, Veiga, Fontoura & Sousa-Pinto, 2013

***Prostygarctus aculeatus*** Rubal, Veiga, Fontoura & Sousa-Pinto, 2013

*Pseudostygarctus* McKirdy, Schmidt & McGinty-Bayly, 1976

<Amended by Hansen *et al.* 2012>

*Pseudostygarctus apuliae* Gallo D'Addabbo, de Zio Grimaldi & D'Addabbo, 2000

*Pseudostygarctus galloae* Hansen, Kristensen & Jørgensen, 2012

*Pseudostygarctus mirabilis* de Zio Grimaldi, D'Addabbo Gallo & Morone De Lucia, 1998

*Pseudostygarctus rugosus* Gallo D'Addabbo, de Zio Grimaldi & Sandulli, 2001

*Pseudostygarctus triungulatus* McKirdy, Schmidt & McGinty-Bayly, 1976 <Amended by

Hansen *et al.* 2012>

*Stygarctus* Schulz, 1951

*Stygarctus abornatus* McKirdy, Schmidt & McGinty-Bayly, 1976

*Stygarctus ayatori* Fujimoto, 2014

*Stygarctus bradypterus* Schulz, 1951

*Stygarctus gourbaultae* Renaud-Mornant, 1981

*Stygarctus granulatus* Pollock, 1970

*Stygarctus keralensis* Vishnudattan, Bijoy Nandan, Hansen & Jayachandran, 2021

*Stygarctus lambertii* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia & Daddabbo, 1987

*Stygarctus spinifer* Hiruta, 1985

Family: Styraconyxidae Kristensen & Renaud-Mornant, 1983

<Amended by Jørgensen *et al.* 2014; Former subfamily of Halechiniscidae elevated to family level and amended by Fujimoto *et al.* 2017>

*Angursa* Pollock, 1979

<Amended by Fujimoto & Hansen 2019>

*Angursa abyssalis* Renaud-Mornant, 1981 <Amended by Fujimoto & Hansen 2019 who consider *Angursa bicuspis abyssalis* to be a valid species> {For taxonomic status of the subspecies see Kaczmarek *et al.* 2015}

*Angursa antarctica* Villora-Moreno, 1998 <Amended by Fujimoto & Hansen 2019>

*Angursa bicuspis* Pollock, 1979 <Amended by Fujimoto & Hansen 2019>

*Angursa capsula* Bussau, 1992

*Angursa clavifera* Noda, 1985 <*A. bicuspis clavifera* elevated to species level by Bussau 1992>

*Angursa lanceolata* Renaud-Mornant, 1981 <Amended by Fujimoto & Hansen 2019>

*Angursa lingua* Bussau, 1992

*Angursa seisuumaruae* Fujimoto & Hansen, 2019

*Bathyechiniscus* Steiner, 1926

*Bathyechiniscus tetricus* Steiner, 1926 <Amended by Pollock 1983>

*Cyaegharctus* Fujimoto & Jimi, 2020

*Cyaegharctus kitamurai* Fujimoto & Jimi, 2020

*Lepoarctus* Kristensen & Renaud-Mornant, 1983

*Lepoarctus coniferus* (Renaud-Mornant, 1975)

*Paratanarctus* D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992

*Paratanarctus kristenseni* D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli,

1992

*Pleocola* Cantacuzène, 1951

***Pleocola limnoriae*** Cantacuzène, 1951

*Raiarctus* Renaud-Mornant, 1981

<Amended by Jørgensen et al. 2014>

***Raiarctus aureolatus*** Renaud-Mornant, 1981

***Raiarctus colurus*** Renaud-Mornant, 1981

***Raiarctus jesperi*** Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

***Raiarctus katrinae*** Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

***Raiarctus variabilis*** D'Addabbo Gallo, Grimaldi de Zio & Morone De Lucia, 1986

*Rhomboarctus* Renaud-Mornant, 1984

***Rhomboarctus aslaki*** Hansen, Gallo D'Addabbo & de Zio Grimaldi, 2003

***Rhomboarctus dupliciticaudatus*** Hansen, Gallo D'Addabbo & de Zio Grimaldi, 2003

***Rhomboarctus thomassini*** Renaud-Mornant, 1984

*Styraconyx* Thulin, 1942

***Styraconyx craticuliformis*** Chang & Rho, 1998

***Styraconyx craticulus*** (Pollock, 1983)

***Styraconyx hallasi*** Kristensen, 1977

***Styraconyx haploceros*** Thulin, 1942

***Styraconyx kristensi*** Renaud-Mornant, 1981

***Styraconyx kristensi*** *neocaledonensis* Renaud-Mornant, 1981

***Styraconyx nanoqsunguak*** Kristensen & Higgins, 1984

***Styraconyx paulae*** Robotti, 1971

***Styraconyx qivitoq*** Kristensen & Higgins, 1984

***Styraconyx robertoi*** Pérez-Pech, de Jesús-Navarrate, DeMilio, Anguas-Escalante & Hansen, 2020

***Styraconyx sardiniae*** D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989

***Styraconyx sargassi*** Thulin, 1942

***Styraconyx takeshii*** Fujimoto, Suzuki, Ito, Tamura & Tsujimoto, 2020

***Styraconyx testudo*** D'Addabbo Gallo, Grimaldi de Zio & Morone De Lucia, 1984

***Styraconyx turbinarium*** Bartels, Fontoura & Nelson, 2015

***Styraconyx tyrrhenus*** D'Addabbo Gallo, Morone De Lucia & Grimaldi de Zio, 1989

***Styraconyx vargasii*** Bartels & Fontoura, 2021 {in Bartels et al. 2021}

*Tetrakentron* Cuénnot, 1892

***Tetrakentron synaptae*** Cuénnot, 1892

*Tholoarctus* Kristensen & Renaud-Mornant, 1983

<Amended by Jørgensen et al. 2014>

***Tholoarctus natans*** Kristensen & Renaud-Mornant, 1983

***Tholoarctus natans pedunculatus*** D'Addabbo Gallo, de Zio Grimaldi, Morone De Lucia & Troccoli, 1992

***Tholoarctus oleseni*** Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

Family: Tanarctidae Renaud-Mornant, 1980

<Former subfamily of Halechiniscidae elevated to family level and amended by Fujimoto *et al.* 2017>

*Actinarctus* Schulz, 1935

***Actinarctus doryphorus doryphorus*** Schulz, 1935

*Actinarctus doryphorus ocellatus* Renaud-Mornant, 1971

*Actinarctus lyrophorus* Renaud-Mornant, 1979

*Actinarctus neretinus* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982

*Actinarctus physophorus* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982

*Tanarctus* Renaud-Debyser, 1959

*Tanarctus arborspinosus* Lindgren, 1971

*Tanarctus breedyae* Bartels & Fontoura, 2021 {in Bartels *et al.* 2021}

*Tanarctus bubulubus* Jørgensen & Kristensen, 2001

*Tanarctus dendriticus* Renaud-Mornant, 1980

*Tanarctus diplocerus* Fujimoto, Miyazaki & Suzuki, 2013

*Tanarctus gracilis* Renaud-Mornant, 1980

*Tanarctus helleouetae* Renaud-Mornant, 1984

*Tanarctus heterodactylus* Renaud-Mornant, 1980

*Tanarctus hirsutospinosus* Jørgensen, Boesgaard, Møbjerg & Kristensen, 2014

*Tanarctus ittanmomen* Fujimoto, 2018

*Tanarctus longisetosus* Grimaldi de Zio, D'Addabbo Gallo, Morone De Lucia, Vaccarella & Grimaldi, 1982

*Tanarctus minotauricus* Renaud-Mornant, 1984

*Tanarctus ramazzottii* Renaud-Mornant, 1975

***Tanarctus tauricus*** Renaud-Debyser, 1959

*Tanarctus velatus* McKirdy, Schmidt & McGinty-Bayly, 1976

*Zioella* Renaud-Mornant, 1987

***Zioella pavonina*** Renaud-Mornant, 1987

Order: ECHINISCOIDEA Richters, 1926

Family: Echiniscoididae Kristensen & Hallas, 1980

<Amended by Møbjerg *et al.* 2020>

Subfamily: Echiniscoidinae Kristensen & Hallas, 1980

<Amended by Møbjerg *et al.* 2020>

*Echiniscoides* Plate, 1888

*Echiniscoides andamanensis* Chang & Rho, 1998

*Echiniscoides basalticus* Gąsiorek & Kristensen, 2022

*Echiniscoides bruni* D'Addabbo Gallo, Grimaldi de Zio, Morone De Lucia & Troccoli, 1992

*Echiniscoides bufocephalus* Gąsiorek & Kristensen, 2022

*Echiniscoides costaricensis* Bartels & Fontoura, 2021 {in Bartels *et al.* 2021}  
*Echiniscoides galliensis* Kristensen & Hallas, 1980 <*E. sigismundi galliensis* elevated to species level by Gąsiorek & Kristensen 2022>  
*Echiniscoides groenlandicus* Kristensen & Hallas, 1980 <*E. sigismundi groenlandicus* elevated to species level by Gąsiorek & Kristensen 2022>  
*Echiniscoides hispaniensis* Kristensen & Hallas, 1980 <*E. sigismundi hispaniensis* elevated to species level and amended by Gąsiorek & Kristensen 2022>  
*Echiniscoides hoepneri* Kristensen & Hallas, 1980  
*Echiniscoides lichenophilus* Gąsiorek & Kristensen, 2022  
*Echiniscoides mediterranicus* Kristensen & Hallas, 1980 <*E. sigismundi mediterranicus* elevated to species level by Gąsiorek & Kristensen 2022>  
*Echiniscoides musa* Gąsiorek & Kristensen, 2022  
*Echiniscoides polynesiensis* Renaud-Mornant, 1976 <*E. sigismundi polynesiensis* elevated to species level by Gąsiorek & Kristensen 2022>  
*Echiniscoides porphyrae* Grimaldi de Zio, Gallo D'Addabbo & Pietanza, 2000 <*E. sigismundi porphyrae* elevated to species level by Gąsiorek & Kristensen 2022>  
*Echiniscoides ritavargasae* Bartels, Fontoura, Mioduchowska & Kaczmarek, 2021 {in Bartels *et al.* 2021}  
*Echiniscoides rugostellatus* Perry, Rawson, Ameral, Miller, J.D. Miller, 2018  
***Echiniscoides sigismundi*** (M. Schultze, 1865)  
*Echiniscoides travei* Bellido & Bertrand, 1981  
*Echiniscoides trichosus* Gąsiorek & Kristensen, 2022  
*Echiniscoides verrucariae* Grimaldi de Zio, Gallo D'Addabbo & Pietanza, 2000 <*E. sigismundi verrucariae* elevated to species level by Gąsiorek & Kristensen 2022>  
*Echiniscoides wyethi* Perry & Miller, 2015

*Neoechiniscoides* Møbjerg, Jørgensen & Kristensen, 2019

***Neoechiniscoides aski*** Møbjerg, Jørgensen & Kristensen, 2019  
*Neoechiniscoides horningi* (Miller & Kristensen, 1999) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2019>  
*Neoechiniscoides pollocki* (Hallas & Kristensen, 1982) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2019>

Subfamily: Isoechiniscoidinae Møbjerg, Kristensen & Jørgensen, 2016

*Isoechiniscoides* Møbjerg, Kristensen & Jørgensen, 2016

*Isoechiniscoides higginsi* (Hallas & Kristensen, 1982) <Transferred from *Echiniscoides* by Møbjerg *et al.* 2016>  
***Isoechiniscoides sifae*** Møbjerg, Kristensen & Jørgensen, 2016

Family: Carphanidae Binda & Kristensen, 1986

*Carphania* Binda, 1978

*Carphania fluviatilis* Binda, 1978

Family: Oreellidae Ramazzotti, 1962 (*sensu* Puglia unpublished thesis 1959)  
<Amended by Binda & Kristensen 1986 and Dastych *et al.* 1998>

*Oreella* Murray, 1910

*Oreella chugachii* Calloway, Miller, Johansson & Whiting, 2011

*Oreella mollis* Murray, 1910 [*Oreella minor* Ramazzotti, 1964]

*Oreella vilucensis* Rahm, 1931 *species inquirenda* [*Oreella bonnensis* Rahm, 1932]

Family: Echiniscidae Thulin, 1928

{Guil *et al.* 2019 proposed subfamilies Echiniscinae Thulin, 1928, Parechiniscinae Guil, Jørgensen & Kristensen, 2019 and Pseudechiniscinae Guil, Jørgensen & Kristensen, 2019 as well as tribes Anthechiniscini Guil, Jørgensen & Kristensen, 2019, Bryodelphaxini Guil, Jørgensen & Kristensen, 2019, Cornechiniscini Guil, Jørgensen & Kristensen, 2019, Echiniscini Thulin, 1928, Novechiniscini Guil, Jørgensen & Kristensen, 2019, Parechiniscini Guil, Jørgensen & Kristensen, 2019 and Pseudechiniscini Guil, Jørgensen & Kristensen, 2019 - all these taxa were later suppressed by Gąsiorek & Michalczyk 2020b}

*Acanthechiniscus* Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a

*Acanthechiniscus distinctus* (Mihelčič, 1951) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

*Acanthechiniscus goedeni* (Grigarick, Mihelčič & Schuster, 1964) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

*Acanthechiniscus islandicus* (Richters, 1904) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

*Acanthechiniscus sinensis* (Rahm, 1937) <Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

*Acanthechiniscus victor* (Ehrenberg, 1853) [*Pseudechiniscus tridentifer* Bartoš, 1935]  
<Transferred from *Pseudechiniscus* by Vecchi *et al.* 2016a>

*Antechiniscus* Kristensen, 1987

*Antechiniscus conversus* (Horning & Schuster, 1983)

*Antechiniscus jermani* Rossi & Claps, 1989

*Antechiniscus lateromamillatus* (Ramazzotti, 1964)

*Antechiniscus moscali* Claxton, 2001

*Antechiniscus parvisentus* (Horning & Schuster, 1983)

*Antechiniscus perplexus* (Horning & Schuster, 1983)

*Antechiniscus pulcher* (Murray, 1910) <Transferred from *Pseudechiniscus* by Gąsiorek *et al.* 2021c>

*Barbaria* Michalczyk, Gąsiorek, Morek & Stec, 2019 {in Gąsiorek *et al.* 2019d}

*Barbaria bigranulata* (Richters, 1907) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Barbaria charrua* (Claps & Rossi, 1997) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2022a>

*Barbaria danieli* (Meyer, Tsaliki & Sorgée, 2017) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Barbaria ganczareki* (Michalczyk & Kaczmarek, 2007) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Barbaria hannaë* (Roszkowska, Gawlak, Draga & Kaczmarek, 2019) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Barbaria jenningsi* (Dastych, 1984) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Barbaria madonnae* (Michalczyk & Kaczmarek, 2006) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Barbaria ollantaytamboensis* (Nickel, Miller & Marley, 2001) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Barbaria paucigranulata* Wilamowski, Vončina, Gąsiorek & Michalczyk, 2022 {in Gąsiorek et al. 2022a}  
*Barbaria quitensis* (Pilato, 2007) <Transferred from *Echiniscus* by Gąsiorek et al. 2022a>  
*Barbaria ranzii* (Ramazzotti, 1964) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Barbaria rufoviridis* (du Bois-Reymond Marcus, 1944) <Transferred from *Echiniscus* to *Viridiscus* by Gąsiorek et al. 2019d and from *Viridiscus* to *Barbaria* by Rocha et al. 2023>  
*Barbaria weglarskae* Gąsiorek, Wilamowski, Vončina & Michalczyk, 2022

*Bryochoerus* Marcus, 1936  
<Amended by DeMilio et al. 2022a>

*Bryochoerus intermedius intermedius* (Murray, 1910)  
*Bryochoerus intermedius hawaiicus* (Thulin, 1928)  
*Bryochoerus intermedius laevis* (Marcus, 1936)  
*Bryochoerus liupanensis* Xue, X. Li, L. Wang, Xian, H. Chen, 2017

*Bryodelphax* Thulin, 1928  
<Amended by DeMilio et al. 2022a>

*Bryodelphax aaseae* Kristensen, Michalczyk & Kaczmarek, 2010 <Amended by DeMilio et al. 2022a>  
*Bryodelphax alzirae* (du Bois-Reymond Marcus, 1944)  
*Bryodelphax amphoterus* (Durante Pasa & Maucci, 1975)  
*Bryodelphax arenosus* Gąsiorek, 2018  
*Bryodelphax asiaticus* Kaczmarek & Michalczyk, 2004  
*Bryodelphax atlantis* Fontoura, Pilato & Lisi, 2008  
*Bryodelphax australasiaticus* Gąsiorek, Vončina, Degma & Michalczyk, 2020a  
*Bryodelphax beniowskii* Bartylak, Kayastha, Roszkowska & Kaczmarek, 2022 {in Bartylak et al. 2022}  
*Bryodelphax brevidentatus* Kaczmarek, Michalczyk & Degma, 2005  
*Bryodelphax crossotus* Grigarick, Schuster & Nelson, 1983  
*Bryodelphax decoratus* Gąsiorek, Vončina, Degma & Michalczyk, 2020a  
*Bryodelphax dominicanus* (Schuster & Toftner, 1982)  
*Bryodelphax instabilis* Gąsiorek & Degma, 2018  
*Bryodelphax iohannis* Bertolani, Guidi & Rebecchi, 1996  
*Bryodelphax kristensi* Lisi, Daza, Londoño & Quiroga, 2017  
*Bryodelphax lijiangensis* Yang, 2002  
*Bryodelphax maculatus* Gąsiorek, Stec, Morek, Marnissi & Michalczyk, 2017  
*Bryodelphax mareki* Kayastha, Roszkowska, Mioduchowska, Gawlak & Kaczmarek, 2021  
*Bryodelphax mateusi* (Fontoura, 1982)  
*Bryodelphax meronensis* Pilato, Lisi & Binda, 2010  
*Bryodelphax nigripunctatus* Degma, Gąsiorek, Vončina & Michalczyk, 2020 {in Gąsiorek et al. 2020a}  
*Bryodelphax olszanowskii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018

*Bryodelphax ortholineatus* (Bartoš, 1963)  
*Bryodelphax parvulus* Thulin, 1928  
*Bryodelphax parvuspolaris* Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012 <Amended by DeMilio et al. 2022a>  
*Bryodelphax pucapetricolus* DeMilio, Tumanov, Lawton, Kristensen & Hansen, 2022  
*Bryodelphax sinensis* (Pilato, 1974)  
*Bryodelphax tatreensis* (Węglarska, 1959)  
*Bryodelphax wallacearthuri* DeMilio, Tumanov, Lawton, Kristensen & Hansen, 2022  
*Bryodelphax weglarskae* (Pilato, 1972)

*Claxtonia* Gąsiorek & Michalczyk, 2019 {in Gąsiorek et al. 2019d}  
    <Amended by Degma et al. 2021>  
*Claxtonia aliquantilla* (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Degma et al. 2021>  
*Claxtonia barbara* (Kaczmarek & Michalczyk, 2002) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia capillata* (Ramazzotti, 1956) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia corrugicaudata* (McInnes, 2010) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia goni* Degma, Meyer & Hinton, 2021  
*Claxtonia malpighii* (Biserov, 1994) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia marginopora* (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia mauccii* (Ramazzotti, 1956) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia molluscorum* (Fox & Garcia-Moll, 1962) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia moniliata* (Iharos, 1967) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia mosaica* (Grigarick, Schuster & Nelson, 1983) <Transferred from *Echiniscus* by Degma et al. 2021>  
*Claxtonia nigripustula* (Horning, Schuster & Grigarick, 1978) <Transferred from *Echiniscus* by Degma et al. 2021>  
*Claxtonia pardalis* (Degma & Schill, 2015) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {nomen inquirendum according to Gąsiorek et al. 2019d}  
*Claxtonia pseudowendti* (Dastych, 1984) <Transferred from *Echiniscus* to *Barbaria* by Gąsiorek et al. 2019d; Transferred from *Barbaria* by Gąsiorek et al. 2022a>  
*Claxtonia vincula* (Horning, Schuster & Grigarick, 1978) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>  
*Claxtonia wendti* (Richters, 1903) [*Echiniscus dearmatus* Bartoš, 1935 according to Gąsiorek et al. 2019d, *Echiniscus szaboi* Iharos, 1973 as it was already synonymized with *E. dearmatus*] <*E. wendti* and *E. dearmatus* transferred from *Echiniscus* by Gąsiorek et al. 2019d; Redescribed and neotype (from original type locality Svalbard, Norway) designated by Gąsiorek et al. 2024>

*Cornechiniscus* Maucci & Ramazzotti, 1981  
    <Amended by Gąsiorek 2022>  
*Cornechiniscus brachycornutus* Maucci, 1987 <Amended by Gąsiorek & Michalczyk 2020b>  
*Cornechiniscus ceratophorus* (Maucci, 1973) <Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus cornutus* (Richters, 1907) [*Pseudechiniscus intermedius* Mihelčič, 1970]

<Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus holmeni* (Petersen, 1951) <Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus imperfectus* Gąsiorek & Michalczyk, 2020

*Cornechiniscus lobatus* (Ramazzotti, 1943) [*Pseudechiniscus cornutus* Mihelčič, 1966]

<Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus madagascariensis* Maucci, 1993 <Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus mystacinus* Gąsiorek, 2022

*Cornechiniscus schrammi* (Dastych, 1979) <Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus subcornutus* Maucci & Ramazzotti, 1981 <Amended by Gąsiorek & Michalczyk 2020b>

*Cornechiniscus tibetanus* (Maucci, 1979) <Amended by Gąsiorek & Michalczyk 2020b>

*Diploechiniscus* Vicente, Fontoura, Cesari, Rebecchi, Guidetti, Serrano & Bertolani, 2013

*Diploechiniscus laterosetosus* (Ito, 1993) <Transferred from *Echiniscus* by Gąsiorek 2023>

*Diploechiniscus oihonnae* (Richters, 1903) [*Echiniscus multispinosus* da Cunha, 1944 according to Vicente *et al.* 2013; *Echiniscus horningi* Schuster & Grigarick, 1971 according to Kaczmarek *et al.* 2021] <Amended and neotype (from Geiranger, Norway) designated by Kaczmarek *et al.* 2021 (original type locality Svalbard, Norway)>

*Diploechiniscus polygonalis* (Ito, 1993) <Transferred from *Echiniscus* by Gąsiorek 2023>

*Echiniscus* C.A.S. Schultze, 1840

<Amended by Gąsiorek *et al.* 2017b, Gąsiorek *et al.* 2021f and Gąsiorek 2023>

*Echiniscus africanus* Murray, 1907 <Amended by Gąsiorek *et al.* 2022b>

*Echiniscus angolensis* da Cunha & do Nascimento Ribeiro, 1964

*Echiniscus aonikenk* Gąsiorek, Bochnak, Vončina & Michalczyk, 2021

*Echiniscus apuanus* M. Bertolani, 1946 {*nomen dubium* according to Gąsiorek & Vončina 2023}

*Echiniscus arcangelii* Maucci, 1973-74

*Echiniscus arctomys* Ehrenberg, 1853 {*nomen inquirendum* according to Gąsiorek *et al.* 2019d}

*Echiniscus arthuri* Pilato, Binda & Lisi, 2005

*Echiniscus attenboroughi* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}

*Echiniscus azoricus* Fontoura, Pilato & Lisi, 2008

*Echiniscus baius* Marcus, 1928

*Echiniscus baloghi* Iharos, 1973

*Echiniscus batramiae* Iharos, 1936 {see *Echiniscus merokensis*}

*Echiniscus becki* Schuster & Grigarick, 1966 {Based on type material, additional characters to the original description were added by Gąsiorek 2023}

*Echiniscus belloporos* Gąsiorek & Kristensen, 2018

*Echiniscus bisculptus* Maucci, 1983

*Echiniscus blumi* Richters, 1903 [*Echiniscus ramazzottii* Binda & Pilato, 1969; *Echiniscus bisetosus* Heinis, 1908 according to Gąsiorek *et al.* 2019d; *Echiniscus mediantus* Marcus, 1930 according to Gąsiorek *et al.* 2019d; *Echiniscus blumi schizofilus* Bartoš, 1941 according to Gąsiorek & Vončina 2023; *Echiniscus trojanus* Maucci, 1973 according to Gąsiorek & Vončina 2023]

*Echiniscus blumi schizofilus* Bartoš, 1941 {see *Echiniscus blumi*}

*Echiniscus brunus* Dey, Gąsiorek & Michalczyk, 2023

- Echiniscus calcaratus* Richters, 1908
- Echiniscus calvus* Marcus, 1931
- Echiniscus canadensis* Murray, 1910 [*Echiniscus punctulatus* Mihelčič, 1955; *Echiniscus bellus* Mihelčič, 1967]
- Echiniscus canedoi* da Cunha & do Nascimento Ribeiro, 1962
- Echiniscus capensis* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek et al. 2022b}
- Echiniscus carusoi* Pilato, 1972 {see *Echiniscus spinulosus*}
- Echiniscus cavagnaroi* Schuster & Grigarick, 1966 <Amended by Meyer 2016>
- Echiniscus cervicornis* Murray, 1906
- Echiniscus cheonyoungi* Moon & Kim, 1994
- Echiniscus clevelandi* Beasley, 1999
- Echiniscus columinis* Murray, 1911 {see *Echiniscus merokensis*}
- Echiniscus crassispinosus* *crassispinosus* Murray, 1907 <Amended by Gąsiorek et al. 2022b>
- Echiniscus crassispinosus* *fasciatus* Marcus, 1928 {nomen dubium according to Gąsiorek et al. 2022b}
- Echiniscus curiosus* Claxton, 1996
- Echiniscus darienae* Miller, Horning & Dastych, 1995
- Echiniscus dentatus* Vončina, Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek et al. 2022b}
- Echiniscus dikenli* Maucci, 1973
- Echiniscus diploglyptus* Durante Pasa & Maucci, 1975
- Echiniscus divergens* Marcus, 1936
- Echiniscus draconis* Vončina, Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek et al. 2022b}
- Echiniscus dreyfusi* de Barros, 1942
- Echiniscus duboisi* Richters, 1902 {nomen inquirendum according to Gąsiorek et al. 2022b}
- Echiniscus egnatiae* Durante Pasa & Maucci, 1979 {see *Echiniscus granulatus*}
- Echiniscus ehrenbergi* Dastych & Kristensen, 1995
- Echiniscus elaeinae* Pilato, Binda & Lisi, 2005
- Echiniscus evelinae* de Barros, 1942 <Amended by Gąsiorek et al. 2021f based on Argentinian population>
- Echiniscus gracilis* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek et al. 2022b}
- Echiniscus granulatus* (Doyère, 1840) [*Echiniscus crassus* Richters, 1904; *Echiniscus fortis* Bartoš, 1935; *Echiniscus abanti* Maucci, 1973; *Echiniscus egnatiae* Durante Pasa & Maucci, 1979 according to Gąsiorek & Vončina 2023; *Echiniscus heterospinosus* Maucci, 1954 according to Gąsiorek & Vončina 2023; *Echiniscus inocelatus* Mihelčič, 1938 according to Gąsiorek & Vončina 2023 - consequently also *Echiniscus inocellatus* Mihelčič, 1964 which is synonymous with *E. inocelatus* according to Degma & Guidetti 2007] <Redescribed and neotype (from Saint-Maur-des-Fossés, France) designated by Gąsiorek & Vončina 2023 (original type locality Paris, France)>
- Echiniscus heterospinosus* Maucci, 1954 {see *Echiniscus granulatus*}
- Echiniscus hexacanthus* Maucci, 1973 {see *Echiniscus militaris*}
- Echiniscus hoonsooii* Moon & Kim, 1990
- Echiniscus imitans* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek et al. 2022b}
- Echiniscus inocelatus* Mihelčič, 1938 [*Echiniscus inocellatus* Mihelčič, 1964] {see *Echiniscus granulatus*}
- Echiniscus insuetus* Mihelčič, 1967 {species dubia according to Gąsiorek et al. 2019d}
- Echiniscus insularis* Gąsiorek, Vončina & Kiosya, 2021 {in Kiosya et al. 2021}
- Echiniscus intricatus* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek et al. 2022b}

- Echiniscus irroratus* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus jagodici* Mihelčič, 1951 {*nomen dubium* according to Dastych 2015} {see *Echiniscus merokensis*}
- Echiniscus jamesi* Claxton, 1996
- Echiniscus kerguelensis* Richters, 1904
- Echiniscus knowltoni* Schuster & Grigarick, 1971
- Echiniscus kosickii* Kaczmarek & Michalczyk, 2010
- Echiniscus lapponicus* Thulin, 1911 <Redescribed by Gąsiorek & Vončina 2023 based on Norwegian population>
- Echiniscus laterosetosus* Ito, 1993 {see *Diploechiniscus*}
- Echiniscus laterospinosus* Rudescu, 1964 {see *Echiniscus merokensis*}
- Echiniscus latruncularis* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus lentiferus* Claxton & Dastych, 2017
- Echiniscus lichenorum* Maucci, 1983 <Amended by Gąsiorek *et al.* 2022b based on South African population> {*nomen inquirendum* according to Gąsiorek *et al.* 2019d; Valid species according to Kaczmarek *et al.* 2022a and Gąsiorek *et al.* 2022b}
- Echiniscus lineatus* Pilato, Fontoura, Lisi & Beasley, 2008 [*Echiniscus dariae* Kaczmarek & Michalczyk, 2010 in Gąsiorek *et al.* 2019b]
- Echiniscus longispinosus* Murray, 1907 <Redescribed and neotype (from Western Cape, Tradouw Pass Republic of South Africa) designated by Gąsiorek *et al.* 2022b (original type locality Cape Colony, Republic of South Africa)>
- Echiniscus loxophthalmus* Richters, 1911 {*species dubia* according to Gąsiorek *et al.* 2019d}
- Echiniscus manuelae* da Cunha & do Nascimento Ribeiro, 1962
- Echiniscus marcusi* Pilato, Claxton & Binda, 1989
- Echiniscus marginatus* Binda & Pilato, 1994
- Echiniscus marleyi* X. Li, 2007 {*nomen inquirendum* according to Gąsiorek & Vončina 2023}
- Echiniscus masculinus* Gąsiorek, Vončina & Michalczyk, 2020
- Echiniscus meridionalis* (Murray, 1906) <Transferred to *Testechiniscus* by Kristensen 1987; Re-transferred to *Echiniscus* and redescribed by Gąsiorek 2023 based on South Shetland Islands population>
- Echiniscus merokensis merokensis* Richters, 1904 [*Echiniscus iharosi* Rudescu, 1964; *Echiniscus simba* Marcus, 1928 according to Gąsiorek *et al.* 2019d; *Echiniscus batramiae* Iharos, 1936 according to Gąsiorek & Vončina 2023; *Echiniscus columninis* Murray, 1911 according to Gąsiorek & Vončina 2023; *Echiniscus jagodici* Mihelčič, 1951 according to Gąsiorek & Vončina 2023; *Echiniscus laterospinosus* Rudescu, 1964 according to Gąsiorek & Vončina 2023; *Echiniscus merokensis suecicus* Thulin, 1911 according to Gąsiorek & Vončina 2023]
- Echiniscus merokensis suecicus* Thulin, 1911 {see *Echiniscus merokensis*}
- Echiniscus migiurtinus* Franceschi, 1957
- Echiniscus militaris* Murray, 1911 [*Echiniscus hexacanthus* Maucci, 1973 according to Gąsiorek & Vončina 2023]
- Echiniscus minutus* Gąsiorek & Michalczyk, 2024
- Echiniscus mongoliensis* Iharos, 1973 <*E. filamentosus* mongoliensis elevated to species level by Gąsiorek *et al.* 2017b>
- Echiniscus montanus* Iharos, 1982
- Echiniscus murrayi* Iharos, 1969

- Echiniscus nelsonae* X. Li, L. Wang & Yu, 2007
- Echiniscus nepalensis* Dastych, 1975
- Echiniscus oreas* Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus ornamentatus* Gąsiorek & Kristensen, 2018
- Echiniscus osellai* Maueci, 1975 {see *Echiniscus trisetosus*}
- Echiniscus pajstunensis* Bartoš, 1941 {*nomen dubium* according to Gąsiorek & Vončina 2023}
- Echiniscus pellucidus* Gąsiorek, Bochnak, Vončina & Michalczyk, 2021
- Echiniscus perarmatus* Murray, 1907 [*Echiniscus maesi* Séméria, 1985 according to Gąsiorek *et al.* 2019d] <Redescribed and neotype (from KwaZulu-Natal, Republic of South Africa) designated by Gąsiorek *et al.* 2022b (original type locality Cape Colony, Republic of South Africa)>
- Echiniseus polygonalis* Ito, 1993 {see *Diploechiniscus*}
- Echiniscus pooensis* Rodriguez-Roda, 1948
- Echiniscus porabrus* Horning, Schuster & Grigarick, 1978
- Echiniscus postojnensis* Mihelčič, 1967 [*Echiniscus loxophtalmus* Mihelčič, 1939] {*nomen dubium* according to Dastych 2015}
- Echiniscus punctus* McInnes, 1995 {*nomen inquirendum* according to Gąsiorek & Vončina 2023}
- Echiniscus pusae* Marcus, 1928
- Echiniscus quadrispinosus* Richters, 1902 [*Echiniscus scrofa* Richters, 1902; *E. quadrispinosus brachyspinosus* Bartoš, 1934, *E. quadrispinosus cribrosus* Murray, 1907 and *E. quadrispinosus fissispinosus* Murray, 1907 according to Kaczmarek *et al.* 2022a] <Redescribed and neotype (from the original type locality Taunus Mountain Range, Germany) designated by Kaczmarek *et al.* 2022a>
- Echiniscus rackae* Dastych, 1986
- Echiniscus regularis* Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus reymondi* Marcus, 1928
- Echiniscus robertsi* Schuster & Grigarick, 1965
- Echiniscus rodnae* Claxton, 1996
- Echiniscus rugospinosus* Marcus, 1928
- Echiniscus scabrocirrosus* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus scabrospinosis* Fontoura, 1982 <Amended by Pilato *et al.* 2008b>
- Echiniscus semifoveolatus* Ito, 1993 {*nomen inquirendum* according to Gąsiorek & Michalczyk 2024}
- Echiniscus setaceus* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus shaanxiensis* X. Li, L. Wang & Yu, 2007
- Echiniscus siegristi* Heinis, 1911
- Echiniscus similaris* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}
- Echiniscus siticulosus* Gąsiorek & Michalczyk, 2020
- Echiniscus speciosus* Mihelčič, 1967 [*Echiniscus roseus* Mihelčič, 1967] {*species dubia* according to Gąsiorek *et al.* 2019d}
- Echiniscus spiculifer* Schaudinn, 1901 {*species dubia* according to Gąsiorek *et al.* 2019d}
- Echiniscus spiniger* Richters, 1904
- Echiniscus spinulosus* (Doyère, 1840) [*Echiniscus carusoi* Pilato, 1972 according to Gąsiorek & Vončina 2023] <Redescribed and neotype (from Andalucia, Spain) designated by Gąsiorek & Vončina 2023 (original type locality Saint-Maur-des-Fossés, France)>
- Echiniscus succineus* Gąsiorek & Vončina, 2019

*Echiniscus sylvanus* Murray, 1910  
*Echiniscus taibaiensis* L. Wang & X. Li, 2005  
*Echiniscus tamus* Mehlen, 1969 <Amended by Miller & Mehlen 2007>  
*Echiniscus tantulus* Gąsiorek, Bochnak, Vončina & Kristensen, 2020 {in Bochnak *et al.* 2020}  
*Echiniscus tenuis* Marcus, 1928 {Probably *Bryodelphax* according to Gąsiorek *et al.* 2019d}  
*Echiniscus testudo* (Doyère, 1840) [*Echiniscus bellermannii* C.A.S. Schultze, 1840; *Echiniscus inermis* Richters, 1902; *Echiniscus trifilis* Rahm, 1924; *Echiniscus testudo quadrifilis* according to Gąsiorek *et al.* 2017b; *Echiniscus filamentosus* Plate, 1888 according to Gąsiorek *et al.* 2017b; *Echiniscus glaber* Bartoš, 1937 according to Gąsiorek *et al.* 2017b; *Echiniscus peruvianus* Binda & Pilato, 1994 according to Gąsiorek *et al.* 2021f] <Amended Redescribed and neotype (from original type locality Paris, France) designated by Gąsiorek *et al.* 2017b>  
*Echiniscus tetraspinosus* Gąsiorek, Vončina, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}  
*Echiniscus trisetosus* Cuénot, 1932 [*Echiniscus storkani* Bartoš, 1940 according to Gąsiorek *et al.* 2019d; *Echiniscus osellai* Maucci, 1975 according to Gąsiorek & Vončina 2023]  
*Echiniscus tristis* Gąsiorek & Kristensen, 2018  
*Echiniscus trojanus* Maucci, 1973 {see *Echiniscus blumi*}  
*Echiniscus tropicalis* Binda & Pilato, 1995  
*Echiniscus tympanista* Murray, 1911  
*Echiniscus velaminis* Murray, 1910  
*Echiniscus virginicus* Riggin, 1962 <Amended by Christenberry & Mason 1979>  
*Echiniscus weisseri* Maucci, 1978  
*Echiniscus zetotrymus* Horning, Schuster & Grigarick, 1978

*Hypechiniscus* Thulin, 1928

*Hypechiniscus africanus* Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}  
*Hypechiniscus cataractus* Gąsiorek, Oczkowski, Kristensen & Michalczyk, 2021 {in Gąsiorek *et al.* 2021d}  
*Hypechiniscus crassus* Gąsiorek, Vončina, Kristensen & Michalczyk, 2021  
*Hypechiniscus daedalus* Gąsiorek, Oczkowski, Bartels, Nelson, Kristensen & Michalczyk, 2021 {in Gąsiorek *et al.* 2021d}  
*Hypechiniscus exarmatus* (Murray, 1907) [*Oreella breviclava* Grigarick, Schuster & Nelson, 1983]  
*Hypechiniscus fengi* X.-Z. Sun & X. Li, 2013 <Amended by Gąsiorek *et al.* 2021d>  
*Hypechiniscus flavus* Gąsiorek, Oczkowski, Suzuki, Kristensen & Michalczyk, 2021 {in Gąsiorek *et al.* 2021d}  
*Hypechiniscus geminus* Gąsiorek, Oczkowski, Suzuki, Kristensen & Michalczyk, 2021 {in Gąsiorek *et al.* 2021d}  
*Hypechiniscus gladiator* (Murray, 1905) [*Parechiniscus unispinosus* da Cunha, 1947]<Amended, the subspecies *bigladii* and the form *fissigladii* suppressed, the form *spinulosa* considered invalid (all three previously described by Iharos 1973) by Gąsiorek *et al.* 2021d>  
*Hypechiniscus papillifer* (Robotti, 1972) {Amended by Gąsiorek *et al.* 2021d}

*Kristenseniscus* Gąsiorek, Morek, Stec & Michalczyk, 2019  
*Kristenseniscus exanthema* Gąsiorek & Michalczyk, 2024

*Kristenseniscus kofordi* (Schuster & Grigarick, 1966) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>

*Kristenseniscus limai* (da Cunha & do Nascimento Ribeiro, 1964) {nomen inquirendum according to Gąsiorek et al. 2019d} <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>

*Kristenseniscus tessellatus* (Murray, 1910) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>

*Kristenseniscus walteri* (Pilato & Lisi, 2003) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>

*Mopsechiniscus* du Bois-Reymond Marcus, 1944

*Mopsechiniscus franciscae* Guidetti, Rebecchi, Cesari & McInnes, 2014

*Mopsechiniscus frenoti* Dastych, 1999

*Mopsechiniscus granulosus* Mihelčič, 1967

***Mopsechiniscus imberbis*** (Richters, 1907/1908)

*Mopsechiniscus schusteri* Dastych, 1999

*Mopsechiniscus tasmanicus* Dastych & Moscal, 1992

*Multipseudechiniscus* Schulte & Miller, 2011

<Amended by Miller et al. 2012>

***Multipseudechiniscus raneyi*** (Grigarick, Mihelčič & Schuster, 1964) <Transferred from *Pseudechiniscus* by Schulte & Miller, 2011>

*Nebularmis* Gąsiorek & Michalczyk, 2019 {in Gąsiorek et al. 2019d}

<Amended by Gąsiorek et al. 2021b>

*Nebularmis auratus* Gąsiorek & Michalczyk, 2021 {in Gąsiorek et al. 2021b}

*Nebularmis bhutanensis* Veloso, Fontoura & Gąsiorek, 2021 {in Gąsiorek et al. 2021b}

*Nebularmis burmensis* Gąsiorek & Vončina, 2021 {in Gąsiorek et al. 2021b}

*Nebularmis carsicus* (Mihelčič, 1966) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {species *dubia* according to Gąsiorek et al. 2019d}

*Nebularmis cirinoi* (Binda & Pilato, 1993) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d>

*Nebularmis crebraclava* (X.-Z. Sun, X. Li & Feng, 2014) <Transferred from *Echiniscus* to *Claxtonia* by Gąsiorek et al. 2019d; Transferred from *Claxtonia* by Gąsiorek et al. 2021b>

*Nebularmis indicus* Gąsiorek, Ciosek & Michalczyk, 2021 {in Gąsiorek et al. 2021b}

*Nebularmis japonicus* (Morikawa, 1951) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {nomen inquirendum according to Gąsiorek et al. 2019a, c}

*Nebularmis markezi* (Mihelčič, 1971/72) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {nomen inquirendum according to Gąsiorek et al. 2019a}

*Nebularmis nobilis* (Mihelčič, 1967) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {nomen dubium according to Dastych 2015; species *dubia* according to Gąsiorek et al. 2019d}

*Nebularmis phocae* (du Bois-Reymond Marcus, 1944) <Transferred from *Echiniscus* by Gąsiorek et al. 2019d> {nomen inquirendum according to Gąsiorek et al. 2019a, d}

*Nebularmis reticulatus* (Murray, 1905) [Nebularmis mihelcici (Tharos, 1973) according to Gąsiorek et al. 2019a] <Transferred from *Echiniscus* by Gąsiorek et al. 2019d; Redescribed and neotype (from original type locality Loch Ness shore, Scotland, UK) designated by

Gąsiorek *et al.* 2019a; *Nebularmis mihelcici* transferred from *Echiniscus* by Gąsiorek *et al.* 2019d> {*Nebularmis mihelcici* - *species dubia* according to Gąsiorek *et al.* 2019d}  
*Nebularmis tardus* (Mihelčič, 1951) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>  
{*nomen dubium* according to Dastych 2015; *species dubia* according to Gąsiorek *et al.* 2019d}

*Novechiniscus* Kristensen, 1987

*Novechiniscus armadilloides* (R.O. Schuster, 1975)

*Parechiniscus* Cuénot, 1926

<Amended by DeMilio *et al.* 2022b>

*Parechiniscus chitonides* Cuénot, 1926

*Proechiniscus* Kristensen, 1987

*Proechiniscus hanneae* (Petersen, 1951)

*Pseudechiniscus* Thulin, 1911

<Amended by Vecchi *et al.* 2016a>

Subgenus: *Pseudechiniscus* Thulin, 1911 {in Gąsiorek *et al.* 2021c}

*Pseudechiniscus (Pseudechiniscus) alberti* Dastych, 1987

*Pseudechiniscus (Pseudechiniscus) aquatilis* Vončina, Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}

*Pseudechiniscus (Pseudechiniscus) asper* Abe, Utsugi & Takeda, 1998 <Amended by Vončina *et al.* 2020>

*Pseudechiniscus (Pseudechiniscus) beasleyi* X. Li, L. Wang & Yu, 2007

*Pseudechiniscus (Pseudechiniscus) bidenticulatus* Bartoš, 1963

*Pseudechiniscus (Pseudechiniscus) brevimontanus* Kendall-Fite & Nelson, 1996

*Pseudechiniscus (Pseudechiniscus) chengi* Xue, X. Li, L. Wang, Xian, H. Chen, 2017

*Pseudechiniscus (Pseudechiniscus) clavatus* Mihelčič, 1955 {*species dubia* according to Gąsiorek *et al.* 2021c}

*Pseudechiniscus (Pseudechiniscus) dicrani* Mihelčič, 1938 {*nomen dubium* according to Dastych 2015}

*Pseudechiniscus (Pseudechiniscus) ehrenbergi* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 {in Roszkowska *et al.* 2020}

*Pseudechiniscus (Pseudechiniscus) facettalis* Petersen, 1951 [*Pseudechiniscus pseudoconifer facettalis* Maucci, 1954]

*Pseudechiniscus (Pseudechiniscus) formosus* Gąsiorek, Vončina, Kristensen & Michalczyk, 2021

*Pseudechiniscus (Pseudechiniscus) insolitus* Maucci, 1991

*Pseudechiniscus (Pseudechiniscus) jubatus* Biserov, 1990

*Pseudechiniscus (Pseudechiniscus) lacyformis* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 {in Roszkowska *et al.* 2020}

*Pseudechiniscus (Pseudechiniscus) lalitae* Kayastha, Bartylak, Gawlak & Kaczmarek, 2020

*Pseudechiniscus (Pseudechiniscus) linnaei* Vončina, Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}

*Pseudechiniscus (Pseudechiniscus) marinae* Bartoš, 1934 {Synonymized to *Pseudechiniscus novaezeelandiae*, accepting it as *P. novaezeelandiae* forma *marinae* by Marcus 1936} <re-

- elevated to species level by Tumanov 2020a>
- Pseudechiniscus (Pseudechiniscus) megacephalus* Mihelčič, 1951 {nomen dubium according to Dastych 2015 and Gąsiorek *et al.* 2021c}
- Pseudechiniscus (Pseudechiniscus) nataliae* Biserov & Maucci, 1986 {in Biserov 1986}
- Pseudechiniscus (Pseudechiniscus) occultus* Dastych, 1980
- Pseudechiniscus (Pseudechiniscus) papillosum* X. Li, L. Wang, Y. Liu & Su, 2005
- Pseudechiniscus (Pseudechiniscus) pseudoconifer* Ramazzotti, 1943
- Pseudechiniscus (Pseudechiniscus) ramazzottii ramazzottii* Maucci, 1952
- Pseudechiniscus (Pseudechiniscus) ramazzottii facettalis* Iharos, 1964 [*Pseudechiniscus ramazzottii lineatus* Maucci, 1973-74]
- Pseudechiniscus (Pseudechiniscus) scorteccii* Franceschi, 1952
- Pseudechiniscus (Pseudechiniscus) shintai* Vončina, Kristensen & Gąsiorek, 2020
- Pseudechiniscus (Pseudechiniscus) suillus*** (Ehrenberg, 1853) [*Echiniscus mutabilis* Murray, 1905] <Amended Redescribed and neotype (from the original type locality Monte Rosa mountain massif, Aosta Valley, Italy) designated by Grobys *et al.* 2020>
- Pseudechiniscus (Pseudechiniscus) toto* Gąsiorek, Vončina, Kristensen & Michalczyk, 2021
- Pseudechiniscus (Pseudechiniscus) xiai* L. Wang, Xue & X. Li, 2018
- Subgenus: *Meridioniscus* Gąsiorek, Vončina & Michalczyk, 2023 {in Gąsiorek *et al.* 2021c} {First proposed by Gąsiorek *et al.* (2021c) without the ZooBank registration number required for works issued and distributed electronically, consequently the name *Meridioniscus* was not made officially available until its new establishment by Gąsiorek *et al.* 2023b}
- Pseudechiniscus (Meridioniscus) angelusalas* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 {in Roszkowska *et al.* 2020}
- Pseudechiniscus (Meridioniscus) bartkei* Węglarska, 1962
- Pseudechiniscus (Meridioniscus) celebesiensis*** Gąsiorek & Michalczyk, 2024
- Pseudechiniscus (Meridioniscus) conifer* (Richters, 1904)
- Pseudechiniscus (Meridioniscus) dastychi* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 {in Roszkowska *et al.* 2020}
- Pseudechiniscus (Meridioniscus) dreyeri* Gąsiorek, Vončina, Kristensen & Michalczyk, 2021
- Pseudechiniscus (Meridioniscus) indistinctus* Roszkowska, Grobys, Bartylak & Kaczmarek, 2020 {in Roszkowska *et al.* 2020}
- Pseudechiniscus (Meridioniscus) juanitae* de Barros, 1939 [*Pseudechiniscus suillus franciscae* de Barros, 1942]
- Pseudechiniscus (Meridioniscus) mascarenensis* Kiosya, Vončina & Gąsiorek, 2021
- Pseudechiniscus (Meridioniscus) novaezeelandiae novaezeelandiae* (Richters, 1908)
- Pseudechiniscus (Meridioniscus) novaezeelandiae forma aspinosa* Iharos, 1963 {nomen dubium according to Tumanov 2020a}
- Pseudechiniscus (Meridioniscus) novaezeelandiae forma dorsospinosa* Iharos, 1963 {nomen dubium according to Tumanov 2020a}
- Pseudechiniscus (Meridioniscus) novaezeelandiae forma laterospinosa* Iharos, 1963 {nomen dubium according to Tumanov 2020a}
- Pseudechiniscus (Meridioniscus) quadrilobatus* Iharos, 1969 [*Pseudechiniscus gullii* Pilato & Lisi, 2006 according to Gąsiorek *et al.* 2021c, *Pseudechiniscus pilatoi* X. Li, 2007 according to Gąsiorek *et al.* 2021c]
- Pseudechiniscus (Meridioniscus) saltensis* Rocha, Doma, Gonzales Reyes & Lisi, 2020
- Pseudechiniscus (Meridioniscus) santomensis* Fontoura, Pilato & Lisi, 2010

*Pseudechiniscus (Meridioniscus) spinerectus* Pilato, Binda, Napolitano & Moncada, 2001  
*Pseudechiniscus (Meridioniscus) titianae* Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a  
*Pseudechiniscus (Meridioniscus) yunnanensis* L. Wang, 2009  
*Pseudechiniscus (Meridioniscus) wallacei* Vončina, Gąsiorek, Morek & Michalczyk, 2022 {in Gąsiorek *et al.* 2022b}

not included in any subgenus {in Gąsiorek *et al.* 2021c}

*Pseudechiniscus bispinosus* (Murray, 1907) {Probably belongs in a different genus according to Gąsiorek *et al.* 2021c}

*Pseudechiniscus jiroveci* Bartoš, 1963 {*nomen dubium* according to Tumanov 2020a}

*Pseudechiniscus shilinensis* Yang, 2002 {*nomen dubium* according to Gąsiorek *et al.* 2021c}

*Pseudechiniscus transsylvanicus* Iharos, 1936 {Probably belongs in a different genus according to Gąsiorek *et al.* 2021c}

*Stellariscus* Gąsiorek, Suzuki, Kristensen & Michalczyk, 2018 {in Gąsiorek *et al.* 2018c}

*Stellariscus elegans* (Richters, 1907) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2018c>

*Stellariscus latifasciatus* (Dudichev & Biserov, 2000) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2018c>

*Stellariscus pseudelegans* (Séméria, 1994) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2018c>

*Testechiniscus* Kristensen, 1987

<Amended by Gąsiorek *et al.* 2018b and Gąsiorek 2023>

*Testechiniscus laterculus* (Schuster, Grigarick & Toftner, 1980) <Amended by Gąsiorek *et al.* 2018b>

*Testechiniscus macronyx* (Richters, 1907) <Transferred from *Echiniscus* by McInnes 1994>

*Testechiniscus meridionalis* (Murray, 1906) {see *Echiniscus*}

*Testechiniscus spitsbergensis* (Scourfield, 1897) [*Echiniscus clavisetosus* Mihelčič, 1958; *Echiniscus marinellae* Bartoš, 1935; *Echiniscus melanophthalmus* Bartoš, 1936; *Echiniscus menzeli* Heinis, 1917; *Echiniscus rosaliae* Mihelčič, 1951; *Echiniscus spinuloides* Murray, 1907] <Amended by Gąsiorek *et al.* 2018b>

*Testechiniscus spitsbergensis tropicalis* Gąsiorek, Stec, Zawierucha, Kristensen & Michalczyk, 2018

*Viridiscus* Gąsiorek & Michalczyk, 2019 {in Gąsiorek *et al.* 2019d}

*Viridiscus celatus* Momeni, Gąsiorek, Nelson & Michalczyk, 2023 {in Momeni *et al.* 2023}

*Viridiscus clavispinosus* (Fontoura, Pilato & Lisi, 2011) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d> {*nomen inquirendum* according to Momeni *et al.* 2023}

*Viridiscus perviridis* (Ramazzotti, 1959) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Viridiscus rufoviridis* (du Bois-Reymond Mareus, 1944) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d> {see *Barbaria*}

*Viridiscus viridianus* (Pilato, Fontoura & Lisi, 2007) <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d; Redescribed by Momeni *et al.* 2023 based on populations from Alabama and Florida, USA>

*Viridiscus viridis* (Murray, 1910) <Amended by Pilato *et al.* 2008a; Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Viridiscus viridissimus* (Péterfi, 1956) [*Viridiscus miraviridis* Nelson, Adkins Fletcher, Guidetti, Roszkowska, Grobys & Kaczmarek, 2021 according to Gąsiorek *et al.* 2021e] <Transferred from *Echiniscus* by Gąsiorek *et al.* 2019d>

*Zealandiscus* Kaczmarek & Roszkowska, 2021

*Zealandiscus palmai* (Dastych, 1997) <Transferred from *Echiniscus* by Kaczmarek & Roszkowska 2021>

Class: MESOTARDIGRADA Rahm, 1937 {*nomen dubium* according to Grothman *et al.* 2017}

Order: THERMOZODIA Ramazzotti & Maucci, 1983

Family: Thermoziidae Rahm, 1937

*Thermozodium* Rahm, 1937

***Thermozodium esakii*** Rahm, 1937

Class: EUTARDIGRADA Richters, 1926

{Guil *et al.* 2019 proposed new class APOTARDIGRADA Guil, Jørgensen & Kristensen, 2019 for the order APOCHELA, suppressed order PARACHELA and replaced it with class EUTARDIGRADA and elevated superfamilies Eohypsibioidea, Hypsibioidea, Isohypsicbioidea and Macrobiotoidea to orders. Morek *et al.* 2020b suppressed all these taxonomic acts}

Order: APOCHELA Schuster, Nelson, Grigarick & Christenberry, 1980  
<Amended by Morek *et al.* 2020b>

Family: Milnesiidae Ramazzotti, 1962  
<Amended by Morek *et al.* 2020b>

*Bergtrollus* Dastych, 2011

***Bergtrollus dzimbowski*** Dastych, 2011

*Limmenius* Horning, Schuster & Grigarick, 1978

***Limmenius porcellus*** Horning, Schuster & Grigarick, 1978

*Milnesioides* Claxton, 1999

***Milnesioides exsertum*** Claxton, 1999

*Milnesium* Doyère, 1840

<Amended by Morek *et al.* 2020b>

*Milnesium alabamae* Wallendorf & Miller, 2009

*Milnesium almatyense* Tumanov, 2006 <Amended by Morek *et al.* 2020a>

*Milnesium alpinum* Ehrenberg, 1853 <Redescribed and neotype (from the original type locality Monte Rosa mountain massif, Aosta Valley, Italy) designated by Morek *et al.* 2019b>  
{Valid according to Morek *et al.* 2016}

*Milnesium antarcticum* Tumanov, 2006

*Milnesium argentinum* Roszkowska, Ostrowska & Kaczmarek, 2015

- Milnesium asiaticum* Tumanov, 2006
- Milnesium barbadosense* Meyer & Hinton, 2012
- Milnesium beasleyi* Kaczmarek, Jakubowska & Michalczyk, 2012
- Milnesium beatae* Roszkowska, Ostrowska & Kaczmarek, 2015
- Milnesium berladnicorum* Ciobanu, Zawierucha, Moglan & Kaczmarek, 2014
- Milnesium boholeberi* Bartels, Nelson, Kaczmarek & Michalczyk, 2014
- Milnesium brachyungue* Binda & Pilato, 1990
- Milnesium burgessi* Schlabach, Donaldson, Hobelman, Miller & Lowman, 2018
- Milnesium cassandrae* Moreno-Talamantes, Roszkowska, García-Aranda, Flores-Maldonado & Kaczmarek, 2019
- Milnesium decorum* Morek, Wałach & Michalczyk, 2022
- Milnesium dornensis* Ciobanu, Roszkowska & Kaczmarek, 2015
- Milnesium dujiangensis* Yang, 2003 {*nomen dubium* according to Morek *et al.* 2016}
- Milnesium eurystomum* Maucci, 1991 <Amended by Michalczyk *et al.* 2012>
- Milnesium fridae* Moreno-Talamantes, León-Espinosa, García-Aranda, Flores-Maldonado & Kaczmarek, 2020
- Milnesium granulatum* Ramazzotti, 1962 <*M. tardigradum* *granulatum* amended and elevated to species level by Michalczyk *et al.* 2012>
- Milnesium guanyinensis* Yuan, Q. Liu, Y. Wang, L. Liu, Y. Chen & X. Li, 2023
- Milnesium inceptum* Morek, Suzuki, Schill, Georgiev, Yankova, Marley & Michalczyk, 2019
- Milnesium iniquum* Brotto-Guidetti, Morek & Garraffoni, 2024
- Milnesium irenae* Rocha, González-Reyes, Ostertag & Lisi, 2022
- Milnesium jacobi* Meyer & Hinton, 2010
- Milnesium katarzynae* Kaczmarek, Michalczyk & Beasley, 2004
- Milnesium kogui* Londoño, Daza, Caicedo, Quiroga & Kaczmarek, 2015
- Milnesium krzysztofi* Kaczmarek & Michalczyk, 2007
- Milnesium lagniappe* Meyer, Hinton & Dupré, 2013
- Milnesium longiungue* Tumanov, 2006
- Milnesium matheusi* Kaczmarek, Grobys, Kulpa, Bartylak, Kmita, M. Kepel, A. Kepel & Roszkowska, 2019
- Milnesium minutum* Pilato & Lisi, 2016
- Milnesium pacificum* Sugiura, Minato, Matsumoto & Suzuki, 2020
- Milnesium pelufforum* Rocha, González-Reyes, Ostertag & Lisi, 2022
- Milnesium pentapapillatum* Ciosek, Morek & Michalczyk, 2020 {in Morek *et al.* 2020b}
- Milnesium pseudotardigradum* Surmacz, Morek & Michalczyk, 2019
- Milnesium quadrifidum* Nederström, 1919 {Valid according to Morek *et al.* 2016}
- Milnesium quiranae* Rocha, González-Reyes, Ostertag & Lisi, 2022
- Milnesium rastrum* Suzuki, Sugiura, Tsujimoto & McInnes, 2023 {in Suzuki *et al.* 2023}
- Milnesium reductum* Tumanov, 2006 <Amended by Morek *et al.* 2020a>
- Milnesium reticulatum* Pilato, Binda & Lisi, 2002 <Amended by Morek *et al.* 2022>
- Milnesium sandrae* Pilato & Lisi, 2016
- Milnesium shilohae* Meyer, 2015
- Milnesium swansonii* Young, Chappell, Miller & Lowman, 2016
- Milnesium swolenskyi* Bertolani & Grimaldi, 2000 {fossil species}
- Milnesium tardigradum tardigradum* Doyère, 1840 <Amended Redescribed and neotype (from Zeesen, Wildau, Germany) designated by Michalczyk *et al.* 2012 (original type locality Saint-Maur-des-Fossés, France); and Amended by Morek *et al.* 20182019a>

*Milnesium tardigradum trispinosa* Rahm, 1931 {nomen dubium according to Morek *et al.* 2016;  
Not valid according to Suzuki 2016}

*Milnesium tetralamellatum* Pilato & Binda, 1991

*Milnesium tumanovi* Pilato, Sabella & Lisi, 2016

*Milnesium validum* Pilato, Sabella, D'Urso & Lisi, 2017

*Milnesium variefidum* Morek, Gąsiorek, Stec, Blagden & Michalczyk, 2016

*Milnesium vorax* Pilato, Sabella & Lisi, 2016

*Milnesium wrightae* Kaczmarek, Grobys, Kulpa, Bartylak, Kmita, M. Kepel, A. Kepel & Roszkowska, 2019

*Milnesium zsalakoae* Meyer & Hinton, 2010

Order: PARACHELA Schuster, Nelson, Grigarick & Christenberry, 1980

Superfamily: Eohypsibioidea Bertolani & Kristensen, 1987 {in Marley *et al.* 2011}

Family: Eohypsibiidae Bertolani & Kristensen, 1987

[Amphibolidae Bertolani, 1981]

<Amended by Trygvadóttir & Kristensen 2011>

*Austeruseus* Trygvadóttir & Kristensen, 2011

*Austeruseus balduri* Trygvadóttir & Kristensen 2011

*Austeruseus faeroensis* Trygvadóttir & Kristensen 2011

*Austeruseus rokuri* Trygvadóttir & Kristensen 2011

*Bertolanius* Özdkmen, 2008

[*Amphibolus* Bertolani, 1981 according to Özdkmen 2008]

<Amended by Trygvadóttir & Kristensen 2011>

*Bertolanius birnae* Hansen, Kristensen, Bertolani & Guidetti, 2016

*Bertolanius mahunkai* (Iharos, 1971)

*Bertolanius markevichi* (Biserov, 1992)

*Bertolanius nebulosus* (Dastych, 1983)

*Bertolanius portucalensis* Fontoura, Pilato, Lisi & Morais, 2009

*Bertolanius smreczynskii* (Węglarska, 1970)

*Bertolanius volubilis* (Durante Pasa & Maucci, 1975)

*Bertolanius weglarskae* (Dastych, 1972)

*Eohypsibius* Kristensen, 1982

<Amended by Trygvadóttir & Kristensen 2011>

*Eohypsibius nadjae* Kristensen, 1982

*Eohypsibius terrestris* Ito, 1988

Superfamily: Hypsibioidea Pilato, 1969 {in Marley *et al.* 2011}

<Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2018a>

Family: Acutuncidae Vecchi, Tsvetkova, Stec, Ferrari, Calhim & Tumanov, 2023

*Acutuncus* Pilato & Binda, 1997

<Transferred from Hypsibiinae to *incerta subfamilia* within Hypsibiidae by Bertolani *et al.* 2014;  
Transferred from Hypsibiidae and amended by Vecchi *et al.* 2023b>

- Acutuncus antarcticus*** (Richters, 1904) [*Hypsibius simoizumii* Sudzuki, 1964]  
***Acutuncus giovanniniae*** Vecchi, Tsvetkova, Stec, Ferrari, Calhim & Tumanov, 2023  
***Acutuncus mariae*** Zawierucha, 2020 {in Zawierucha *et al.* 2020}  
***Acutuncus mecnuffi*** Vecchi, Tsvetkova, Stec, Ferrari, Calhim & Tumanov, 2023

Family: Calohypsibiidae Pilato, 1969  
<Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2019c>

*Calohypsibius* Thulin, 1928

- Calohypsibius maliki* Michalczyk & Kaczmarek, 2005  
***Calohypsibius ornatus*** (Richters, 1900) [*Hypsibius (Calohypsibius) armatus* Bartoš, 1938;  
*Hypsibius (Calohypsibius) intermedius* Mihelčič, 1939]  
*Calohypsibius schusteri* Nelson & McGlothlin, 1996

Family: Hypsibiidae Pilato, 1969  
<Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2018a>

Subfamily: Diphasconinae Dastych, 1992

<Amended by Bertolani *et al.* 2014 and by Gąsiorek & Michalczyk 2020a>

*Diphascon* Plate, 1888

<Amended by Bertolani *et al.* 2014>

- Diphascon alpinum* Murray, 1906 {*nomen dubium* according to Dastych 2015 and Tumanov & Tsvetkova 2023}

*Diphascon australianum* Pilato & Binda, 1998

*Diphascon bicorne* (Mihelčič, 1971) {*nomen dubium* according to Dastych 2015}

*Diphascon bidropion* Ito, 1995

*Diphascon birklehofi* Rolf Schuster, 1999

***Diphascon chilenense*** Plate, 1888 {*nomen dubium* according to Dastych 2015}

*Diphascon claxtonae* Pilato & Binda, 1998

*Diphascon coniferens* (Bartoš, 1960)

*Diphascon dastychi* Pilato & Binda, 1999

*Diphascon dolomiticum* Pilato & Bertolani, 2005

*Diphascon faialense* Fontoura & Pilato, 2007

***Diphascon greveni*** (Dastych, 1984) <Transferred to *Adropion* by Bertolani *et al.* 2014; Re-transferred to *Diphascon* by Tumanov & Tsvetkova 2023; Amended by Gąsiorek *et al.* 2023a>

*Diphascon halapiense* (Iharos, 1964) <Transferred to *Pilatobius* by Bertolani *et al.* 2014; Re-transferred to *Diphascon* by Tumanov 2018>

*Diphascon higginsi* Binda, 1971

*Diphascon humicus* Bertolani, Guidetti & Rebecchi, 1994

*Diphascon hydrophilum* Pilato, Binda, Bertolani & Lisi, 2005

*Diphascon iharosi* Vargha, 1995

*Diphascon langhovdense* (Sudzuki, 1964)

*Diphascon marcuzzii* (Mihelčič, 1971)

*Diphascon mariae* (Mihelčič, 1951) {nomen dubium according to Dastych 2015}  
*Diphascon mauccii* (Dastych & McInnes, 1996) <Transferred to *Adropion* by Bertolani *et al.* 2014; Re-transferred to *Diphascon* by Tumanov & Tsvetkova 2023>  
*Diphascon mirabilis* Dastych, 1984  
*Diphascon mitrense* Pilato, Binda & Qualtieri, 1999  
*Diphascon nelsonae* Pilato, Binda, Bertolani & Lisi, 2005  
*Diphascon nobilei* (Binda, 1969)  
*Diphascon ongulense* (Morikawa, 1962)  
*Diphascon pingue pingue* (Marcus, 1936)  
*Diphascon pingue brunsvicense* Argue, 1972  
*Diphascon pinguiforme* Pilato & Binda, 1997/98  
*Diphascon platyungue* Pilato, Binda, Bertolani & Lisi, 2005  
*Diphascon polare* Pilato & Binda, 1999  
*Diphascon puchalskii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018  
*Diphascon punctatum* (Iharos, 1962)  
*Diphascon puniceum* (Jennings, 1976)  
*Diphascon rivulare* (Mihelčič, 1967) {nomen dubium according to Dastych 2015}  
*Diphascon rudnickii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018  
*Diphascon sanae* Dastych, Ryan & Watkins, 1990  
*Diphascon serratum* Pilato, Binda, Bertolani & Lisi, 2005  
*Diphascon speciosum* (Mihelčič, 1971) {nomen dubium according to Dastych 2015}  
*Diphascon stappersi* Richters, 1911  
*Diphascon tenue* Thulin, 1928 {see *Arctodiphascon*, Itaquasconidae}  
*Diphascon victoriae* Pilato & Binda, 1999  
*Diphascon wuyingensis* X.-L. Sun, J.-Y. Zhang, N. Wang, Zhao & Luo, 2020 {see *Arctodiphascon*, Itaquasconidae }  
*Diphascon zaniewi* Kaczmarek & Michalczyk, 2004

*Kararehius* Zawierucha, Stec & Shain, 2023 {in Zawierucha *et al.* 2023}  
*Kararehius behanae* (Dastych, 1987) <Transferred from *Adropion* by Zawierucha *et al.* 2023>  
*Kararehius gregorii* Zawierucha, 2023 {in Zawierucha *et al.* 2023}  
*Kararehius tricuspidatum* (Binda & Pilato, 2000) <Transferred from *Adropion* by Zawierucha *et al.* 2023>  
*Kararehius triodon* (Maucci, 1996) <Transferred from *Adropion* by Zawierucha *et al.* 2023>

*Kopakaius* Zawierucha & Shain, 2023 {in Zawierucha *et al.* 2023}  
*Kopakaius nicolae* Zawierucha, 2023 {in Zawierucha *et al.* 2023}

Subfamily: Hypsibiinae Pilato, 1969  
<Amended by Bertolani *et al.* 2014>

*Borealisbius* Pilato, Guidetti, Rebecchi, Lisi, Hansen & Bertolani, 2006  
*Borealisbius zetlandicus* (Murray, 1907)

*Cryobiotus* Dastych, 2019

*Cryobiotus janetscheki* (Ramazzotti, 1968) <Transferred from *Hypsibius* by Dastych 2019>

*Cryobiotus klebelsbergi* (Mihelčič, 1959) <Transferred from *Hypsibius* by Dastych 2019>

*Cryobiotus thaleri* (Dastych, 2004) <Transferred from *Hypsibius* by Dastych 2019>

*Cryobiotus roswithae* Dastych, 2019

*Hypsibius* Ehrenberg, 1848

<Amended by Gąsiorek *et al.* 2018a>

*Hypsibius allisoni* Horning, Schuster & Grigarick, 1978

*Hypsibius antonovae* (Biserov, 1990)

*Hypsibius biscuitiformis* Bartoš, 1960

*Hypsibius calcaratus* Bartoš, 1935

*Hypsibius camelopardalis* Ramazzotti & Maucci, 1983

*Hypsibius choucoutiensis* Rahm, 1937

*Hypsibius convergens* (Urbanowicz, 1925)

*Hypsibius conwentzii* Kaczmarek, Parnikoza, Gawlak, Esefeld, Peter, Kozeretska & Roszkowska, 2018

*Hypsibius dujardini* (Doyère, 1840) [*Macrobiotus palustris* Dujardin, 1851; *Macrobiotus lacustris* Dujardin, 1851; *Macrobiotus tetradactylus* Lance, 1896; *Macrobiotus samoanus* Richters, 1908; *Macrobiotus breckneri* Richters, 1910; *Macrobiotus ursellus* Della Valle, 1915; *Hypsibius murrayi* Marcus, 1929] <Amended by Gąsiorek *et al.* 2018a>

*Hypsibius exemplaris* Gąsiorek, Stec, Morek & Michalczyk, 2018

*Hypsibius fuhrmanni* (Heinis, 1914) {Subjectively invalid according to Gąsiorek *et al.* 2018a}

*Hypsibius giusepparamazzotti* Sudzuki, 1975

*Hypsibius hypostomus* Bartoš, 1935

*Hypsibius iskandarovi* Tumanov, 1997

*Hypsibius kunmingensis* Yang, 2002

*Hypsibius macrocalcaratus* Beasley, 1988

*Hypsibius maculatus* Iharos, 1969

*Hypsibius marcelli* Pilato, 1990

*Hypsibius microps* Thulin, 1928 <Amended by Kaczmarek & Michalczyk 2009>

*Hypsibius montanus* Iharos, 1940 [*Hypsibius iharosi* Bartoš, 1941 according to Degma & Guidetti 2007]

*Hypsibius morikawai* Ito, 1995

*Hypsibius multituberculatus* Pilato, Binda & Lisi, 2003

*Hypsibius murrayi* (Richters, 1907) [*Hypsibius heardensis* Miller, McInnes & Bergstrom, 2005 according to Dastych 2018] <Redescribed by Dastych 2018 based on type specimens and additional material from South Georgia and Kerguelen>

*Hypsibius nivalis* Ono, Takeuchi & Zawierucha, 2022

*Hypsibius novaezeelandiae* Pilato & Binda, 1997

*Hypsibius pachyunguis* Maucci, 1996

*Hypsibius pallidus* Thulin, 1911 <Amended by Kaczmarek & Michalczyk 2009>

*Hypsibius pedrottii* Bertolani, Manicardi & Gibertoni, 1987

*Hypsibius pradellii* Bertolani & Rebecchi, 1996

*Hypsibius ragonesei* Binda & Pilato, 1985

*Hypsibius repentinus* Tumanov & Avdeeva, 2021

*Hypsibius roanensis* Nelson & McGlothlin, 1993

*Hypsibius runae* Bartoš, 1941

*Hypsibius scabropygus* Cuénot, 1929  
*Hypsibius septulatus* Pilato, Binda, Napolitano & Moncada, 2004  
*Hypsibius seychellensis* Pilato, Binda & Lisi, 2006  
*Hypsibius shaanxiensis* H. Li & X. Li, 2008  
*Hypsibius stiliferus* Abe, 2004  
*Hypsibius valentinae* Pilato, Kiosya, Lisi & Sabella, 2012  
*Hypsibius vaskelae* Tumanov, 2018

*Incota subfamilia* {according to Bertolani *et al.* 2014}

*Acutuncus* Pilato & Binda, 1997 {see Acutuncidae}  
<Transferred from Hypsibiinae by Bertolani *et al.* 2014>  
*Acutuncus antarcticus* (Richters, 1904) [*Hypsibius simoizumii* Sudzuki, 1964]  
*Acutuncus mariae* Zawierucha, 2020 {in Zawierucha *et al.* 2020}

*Mixibius* Pilato, 1992  
<Transferred from Isohypsiidae by Bertolani *et al.* 2014>  
{To be confirmed in the family Isohypsiidae, see Marley *et al.* 2011}  
*Mixibius felix* Pilato, Sabella, D'Urso & Lisi, 2017  
*Mixibius fueginus* Pilato & Binda, 1996  
*Mixibius gibbosus* Lisi, Daza, Londoño & Quiroga, 2022  
*Mixibius ninguidus* Biserov, 1999  
*Mixibius ornatus* Pilato, Binda, Napolitano & Moncada, 2002  
*Mixibius parvus* Lisi, Sabella & Pilato, 2014  
*Mixibius pilatoi* L. Wang, 2009  
*Mixibius saracenus* (Pilato, 1973)  
*Mixibius schnurae* Pilato, Lisi & Binda, 2010  
*Mixibius sutirae* Pilato, Binda & Lisi 2004  
*Mixibius tibetanus* H. Li & X. Li, 2008

Family: Itaquasconidae Bartoš {in Rudescu, 1964}  
<Amended by Bertolani *et al.* 2014 and by Gąsiorek & Michalczyk 2020a; Elevated from the  
subfamily level in Hypsibiidae by Tumanov & Tsvetkova 2023>  
{Rudescu (1964) first published the name of the family Itaquasconidae based on draft of the  
monograph by Bartoš (1967) which he lent to Rudescu and which was finally published later than  
it was planned}

*Adropion* Pilato, 1987  
<Subgenus *Adropion* of the genus *Diphascon* elevated to genus level and transferred from  
Diphasconinae by Bertolani *et al.* 2014; Amended by Gąsiorek & Michalczyk 2020a>  
*Adropion afroglacialis* Zawierucha, Gąsiorek & Buda, 2018 {in Zawierucha *et al.* 2018a}  
*Adropion belgicae* (Richters, 1911) [*Fujiscon diphasconiellum* Ito, 1991]<Amended by Bernard  
1977 and by Gąsiorek *et al.* 2023a>  
*Adropion camtchaticum* Tumanov & Kalimullin, 2024  
*Adropion diphasconiellum* (Ito, 1991) <*Fujiscon diphasconiellum* Ito, 1991 was synonymized  
with *Adropion belgicae* by Maucci 1996; Gąsiorek *et al.* 2023a considered it as a valid  
species>

*Adropion gani* (X.-Z. Sun, X. Li & Feng, 2014) {*nomen inquirendum* according to Gąsiorek et al. 2023a}

*Adropion gordoniense* (Pilato, Claxton & Horning, 1991)

*Adropion greveni* (Dastych, 1984) {see *Diphascon*}

*Adropion linzhiensis* (X. Li, 2007)

*Adropion marcusii* (Rudescu, 1964) <Transferred from *Mesocrista* by Gąsiorek et al. 2016>  
{*nomen dubium* according to Dastych 2015; *species dubia* according to Gąsiorek et al. 2016; For taxonomic status of the species see Gąsiorek et al. 2016}

*Adropion ommatophorum* (Thulin, 1911) <*Adropion scoticum ommatophorum* elevated to species level by Gąsiorek et al. 2023a>

*Adropion maueci* (Dastych & McInnes, 1996) {see *Diphascon*}

*Adropion onorei* (Pilato, Binda, Napolitano & Moncada, 2002)

*Adropion scoticum seoticum* (Murray, 1905) [*Diphascon crozetense* Richters, 1907]  
<Redescribed and neotype (from Drum Castle, Drumoak Scotland) designated by Gąsiorek et al. 2023a (original type locality areas around Edinburgh, Scotland); *Adropion scoticum qinlingensis* (X. Li & Y. Liu, 2005) suppressed by Gąsiorek et al. 2023a>

*Adropion scoticum ommatophorum* (Thulin, 1911) {see *Adropion ommatophorum*}

*Adropion scoticum qinlingensis* (X. Li & Y. Liu, 2005) {see *Adropion scoticum*}

*Arctodiphascon* Tumanov & Tsvetkova, 2023

*Arctodiphascon tenue* (Thulin, 1928) <Transferred from *Diphascon* by Tumanov & Tsvetkova 2023> {Based on type material, additional character to the original description was added by Tumanov & Tsvetkova 2023}

*Arctodiphascon wuyingensis* (X.-L. Sun, J.-Y. Zhang, N. Wang, Zhao & Luo, 2020) <Tentatively transferred from *Diphascon* by Tumanov & Tsvetkova 2023>

*Astatumen* Pilato, 1997

<Amended by Tumanov & Tsvetkova 2023>

*Astatumen bartosi* (Węglarska, 1959)

*Astatumen tamaensis* (Suzuki, 1975)

*Astatumen tamurai* (Ito, 1990)

*Astatumen trinacriae* (Arcidiacono, 1962) [*Itaquascon ramazzottii* Iharos, 1966]

*Bindius* Pilato, 2009

<Transferred from *Diphasconinae* by Bertolani et al. 2014>

*Bindius triquetrus* Pilato, 2009

*Guidettion* Gąsiorek & Michalczyk, 2020

*Guidettion arduifrons* (Thulin, 1928) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a> {*nomen inquirendum* according to Gąsiorek et al. 2023a}

*Guidettion carolae* (Binda & Pilato, 1969) <Transferred from *Adropion* by Gąsiorek & Michalezyk 2020a> {see *Guidettion prorsirostre*}

*Guidettion clavatum* (Bartoš, 1935) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>

*Guidettion modestum* (Binda, Pilato & Dastych, 1984) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a>

*Guidettion montigenum* (Pilato & Dastych, 1974) <Transferred from *Adropion* by Gąsiorek &

Michalczyk 2020a>

*Guidettion prorsirostre* (Thulin, 1928) [*Guidettion carolae* (Binda & Pilato, 1969), previously transferred from *Adropion* by Gąsiorek & Michalczyk 2020a, synonym according to Gąsiorek *et al.* 2023a] <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a; Redescribed and neotype (from Bennachie, Little Oxen Craig, Scotland) designated by Gąsiorek *et al.* 2023a (original type localities Killin (Scotland), Notteryd (Sweden), Mecklenburg (Germany))>

*Guidettion vexatum* (Pilato, Sabella, D'Urso & Lisi, 2017) <Transferred from *Adropion* by Gąsiorek & Michalczyk 2020a> {*nomen inquirendum* according to Gąsiorek *et al.* 2023a}

*Insulobius* Gąsiorek & Michalczyk, 2020

*Insulobius orientalis* Gąsiorek & Michalczyk, 2020

*Itaquascon* de Barros, 1939

<Amended by Gąsiorek & Michalczyk 2020a and by Massa *et al.* 2021>

*Itaquascon biserovi* Pilato, Binda & Moncada, 1999

*Itaquascon cambewarrense* Pilato, Binda & Claxton, 2002

*Itaquascon enckelli* (Mihelčič, 1971/72) {*nomen dubium* according to Gąsiorek *et al.* 2023a}

*Itaquascon magnussoni* Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021

*Itaquascon mongolicus* Kaczmarek, Michalczyk & Węglarska, 2002

*Itaquascon pilatoi* Lisi, Londoño & Quiroga, 2014

*Itaquascon pisoniae* Pilato & Lisi, 2009

*Itaquascon placophorum* Maucci, 1973

*Itaquascon serratulum* Gąsiorek & Michalczyk, 2023 {in Gąsiorek *et al.* 2023a}

*Itaquascon simplex* (Mihelčič, 1971) {*nomen dubium* according to Gąsiorek *et al.* 2023a}

*Itaquascon umbellinae* de Barros, 1939

*Itaquascon unguiculum* Pilato, Binda & Claxton, 2002

*Meplitumen* Lisi, Daza, Londoño, Quiroga & Pilato, 2019 {see *Platicrista*}

*Meplitumen aluna* Lisi, Daza, Londoño, Quiroga & Pilato, 2019 {see *Platicrista*}

*Meplitumen itaquasconoide* (Durante Pasa & Maucci, 1975) <Transferred from *Platicrista* by Massa *et al.* 2021> {see *Platicrista*}

*Mesocrista* Pilato, 1987

*Mesocrista revelata* Gąsiorek, Stec, Morek, Zawierucha, Kaczmarek, Lachowska-Cierlik & Michalczyk, 2016

*Mesocrista spitzbergensis* (Richters, 1903) <Amended by Gąsiorek *et al.* 2016>

*Parascon* Pilato & Binda, 1987

*Parascon nichollsa*e Pilato & Lisi, 2004

*Parascon schusteri* Pilato & Binda, 1987

*Platicrista* Pilato, 1987

[*Meplitumen* Lisi, Daza, Londoño, Quiroga & Pilato, 2019 according to Tumanov & Tsvetkova 2023]

<Amended by Scheirer *et al.* 2024>

*Platicrista affine* (Mihelčič, 1951) {Objectively invalid according to Gąsiorek *et al.* 2023a}

*Platicrista aluna* (Lisi, Daza, Londoño, Quiroga & Pilato, 2019) <Transferred from *Meplitumen* by Tumanov & Tsvetkova 2023>

*Platicrista angustata* (Murray, 1905) <Redescribed and neotype (from Hill of Foudland, Scotland) designated by Gąsiorek *et al.* 2023a (original type locality Loch Ness shore, Scotland)>

*Platicrista borneensis* Gąsiorek & Michalczyk, 2023 {in Gąsiorek *et al.* 2023a}

*Platicrista brunsoni* Miller & J.D. Miller, 2021 <Amended by Gąsiorek *et al.* 2023a based on material from Wyoming, USA>

*Platicrista carpathica* Gąsiorek, 2023 {in Gąsiorek *et al.* 2023a}

*Platicrista cheleusis* Kathman, 1990 [*Diphascon craigi* Beasley, 1990]

*Platicrista horribilis* Kaczmarek & Michalczyk, 2003 <Amended by Gąsiorek *et al.* 2023a based on material from Montenegro>

*Platicrista itaquasconoide* (Durante Pasa & Maucci, 1975) <Transferred from *Platicrista* to *Meplitumen* by Massa *et al.* 2021; Re-transferred from *Meplitumen* by Tumanov & Tsvetkova 2023> {*nomen inquirendum* according to Gąsiorek *et al.* 2023a}

*Platicrista loloensis* Scheirer, Miller & J.D. Miller, 2024

*Platicrista nivea* Gąsiorek, 2023 {in Gąsiorek *et al.* 2023a}

*Platicrista ramsayi* Marley, 2006

*Raribius* Gąsiorek & Michalczyk, 2020

*Raribius globuliferus* (Abe & Ito, 1994) <Transferred from *Itaquascon* by Gąsiorek & Michalczyk 2020a>

*Raribius minutissimus* Gąsiorek & Michalczyk, 2023 {in Gąsiorek *et al.* 2023a}

*Raribius pawlowskii* (Węglarska, 1973) <Transferred from *Itaquascon* by Gąsiorek & Michalczyk 2020a> {not mentioned as type species by Gąsiorek & Michalczyk 2020; listed as type species in Zoobank}

*Sarascon* Guil, Rodrigo & Machordom, 2014

*Sarascon hortensiae* Guil, Rodrigo & Machordom, 2014

Family: Microhypobiidae Pilato, 1998  
<Amended by Gąsiorek *et al.* 2019c>

*Microhypsbius* Thulin, 1928

*Microhypsbius bertolani* Kristensen, 1982

*Microhypsbius japonicus* Ito, 1991

*Microhypsbius minimus* Kristensen, 1982

*Microhypsbius truncatus* Thulin, 1928

Family: Pilatobiidae Bertolani, Guidetti, Marchioro, Altiero, Rebecchi & Cesari, 2014  
<Amended by Gąsiorek & Michalczyk 2020a; Elevated from the subfamily level in Hypsbidae by Tumanov & Tsvetkova 2023>

*Degmion* Gąsiorek, Morek & Michalczyk, 2023 {in Gąsiorek *et al.* 2023a}

*Degmion burti* (Nelson, 1991) <Transferred from *Diphascon* to *Pilatobius* by Bertolani *et al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a>

*Degmion nodulosum* (Ramazzotti, 1957) <Transferred from *Diphascon* to *Pilatobius* by

Bertolani *et al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a>  
*Degmion nuominensis* (X.-L. Sun, J.-Y. Zhang, N. Wang, Zhao & Luo, 2021) <Transferred from  
*Pilatobius* by Gąsiorek *et al.* 2023a>  
*Degmion oculatum* *m oculatus* (Murray, 1906) <Transferred from *Diphascon* to *Pilatobius* by  
Bertolani *et al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a; Redescribed  
and neotype (from Oxen Craig, Aberdeenshire, Scotland, UK) designated by Gąsiorek *et al.*  
2023a (original type locality Hopetoun Wood, Broxburn, Scotland, UK); *Pilatobius*  
*oculatus alpium* (Mihelčič, 1964) {*nomen dubium* according to Dastych 2015} and  
*Pilatobius oculatus canadensis* (Murray, 1910) {*nomen dubium* according to Gąsiorek *et al.*  
2023a} [synonym *Hypsibius vancouverensis* Thulin, 1911] - both transferred from  
*Diphascon* by Bertolani *et al.* 2014 and suppressed by Gąsiorek *et al.* 2023a>  
*Degmion opisthoglyptum* (Maucci, 1987) <Transferred from *Diphascon* to *Pilatobius* by  
Tumanov 2018; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a>  
*Degmion rugocaudatum* (Rodriguez Roda, 1952) <Transferred from *Diphascon* to *Pilatobius* by  
Bertolani *et al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a> {*nomen*  
*inquirendum* according to Gąsiorek *et al.* 2023a}

*Fontourion* Gąsiorek, Morek & Michalczyk, 2023 {in Gąsiorek *et al.* 2023a}  
*Fontourion borealis* (Biserov, 1996) <Transferred from *Diphascon* to *Pilatobius* by Bertolani *et*  
*al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a>  
*Fontourion brevipes* (Marcus, 1936) <Transferred from *Diphascon* to *Pilatobius* by Bertolani *et*  
*al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a>  
*Fontourion glacialis* (Zawierucha, Buda & Gąsiorek, 2020) {in Zawierucha *et al.* 2020}  
<Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a>  
*Fontourion islandicum* (Buda & Zawierucha, 2018) {in Buda *et al.* 2018} <Transferred from  
*Pilatobius* by Gąsiorek *et al.* 2023a>  
*Fontourion recamieri* (Richters, 1911) <Transferred from *Diphascon* to *Pilatobius* by Bertolani  
*et al.* 2014; Amended by Gąsiorek *et al.* 2017a; Transferred from *Pilatobius* by Gąsiorek *et*  
*al.* 2023a>  
*Fontourion secchii* (Bertolani & Rebecchi, 1996) <Transferred from *Diphascon* to *Pilatobius* by  
Bertolani *et al.* 2014; Transferred from *Pilatobius* by Gąsiorek *et al.* 2023a> {*nomen*  
*inquirendum* according to Gąsiorek *et al.* 2017a}

*Notahypsibius* Tumanov, 2020  
*Notahypsibius arcticus* (Murray, 1907) [*Macrobiotus heinisi* Richters, 1907] <Transferred from  
*Hypsibius* to *Ramazzottius* by Gąsiorek *et al.* 2018a; transferred from *Ramazzottius* by  
Tumanov 2020b>  
*Notahypsibius pallidoides* (Pilato, Kiosya, Lisi, Inshina & Biserov, 2011) <Amended and  
transferred from *Hypsibius* by Tumanov 2020b>  
*Notahypsibius scaber* (Maucci, 1987) <Transferred from *Hypsibius* by Tumanov 2020b>

*Pilatobius* Bertolani, Guidetti, Marchioro, Altiero, Rebecchi & Cesari, 2014  
<Amended by Tumanov 2020b>  
*Pilatobius aculeatus* (Maucci, 1951-1952) <Transferred from *Diphascon* by Bertolani *et al.*  
2014>  
*Pilatobius bisbullatus* (Iharos, 1964) <Transferred from *Diphascon* by Bertolani *et al.* 2014>  
*Pilatobius borealis* (Biserov, 1996) <Transferred from *Diphascon* by Bertolani *et al.* 2014> {see

- Fontourion}*  
*Pilatobius brevipes* (Marcus, 1936) <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Fontourion*}  
*Pilatobius bullatus* (Murray, 1905) [*Pilatobius trachydorsatus* (Bartoš, 1937), previously transferred from *Diphaseon* by Bertolani et al. 2014, synonym according to Gąsiorek et al. 2023a] <Transferred from *Diphaseon* by Bertolani et al. 2014; Amended by Gąsiorek et al. 2023a>  
*Pilatobius burti* (Nelson, 1991) <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Degmion*}  
*Pilatobius elongatus* (Mihelčič, 1959) {nomen dubium according to Dastych 2015} <Transferred from *Diphaseon* by Bertolani et al. 2014>  
*Pilatobius gerdae* (Mihelčič, 1951) <Transferred from *Diphaseon* by Bertolani et al. 2014> {nomen dubium according to Dastych 2015}  
*Pilatobius glacialis* Zawierucha, Buda & Gąsiorek, 2020 {in Zawierucha et al. 2020} {see *Fontourion*}  
*Pilatobius granifer* (Greven, 1972) <Transferred from *Diphaseon* by Bertolani et al. 2014>  
*Pilatobius iltisi* (Schuster & Grigarick, 1965) <Transferred from *Diphaseon* by Bertolani et al. 2014; Amended by Gąsiorek et al. 2023a based on material from North Korea and Russia>  
*Pilatobius islandicus* Buda & Zawierucha {in Buda et al. 2018} {see *Fontourion*}  
*Pilatobius latipes* (Mihelčič, 1955) <Transferred from *Diphaseon* by Bertolani et al. 2014> {nomen dubium according to Dastych 2015}  
*Pilatobius nodulosus* (Ramazzotti, 1957) <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Degmion*}  
*Pilatobius nonbullatus* (Mihelčič, 1951) <Transferred from *Diphaseon* by Bertolani et al. 2014> {nomen dubium according to Dastych 2015}  
*Pilatobius nuominensis* X. L. Sun, J. Y. Zhang, N. Wang, Zhao & Luo, 2021 {see *Degmion*}  
*Pilatobius oculatus* oculatus (Murray, 1906) <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Degmion*}  
*Pilatobius oculatus alpinum* (Mihelčič, 1964) {nomen dubium according to Dastych 2015} <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Degmion oculatum*}  
*Pilatobius oculatus canadensis* (Murray, 1910) [*Hypsibius vancouverensis* Thulin, 1911] <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Degmion oculatum*}  
*Pilatobius opisthoglyptus* (Maucci, 1987) <Transferred from *Diphaseon* by Tumanov 2018> {see *Degmion*}  
*Pilatobius patanei* (Binda & Pilato, 1971) <Transferred from *Diphaseon* by Bertolani et al. 2014>  
*Pilatobius procerus* (Pilato, Sabella & Lisi, 2014) <Transferred from *Diphaseon* by Tumanov 2018>  
*Pilatobius ramazzottii* (Robotti, 1970) <Transferred from *Diphaseon* by Bertolani et al. 2014>  
*Pilatobius recamieri* (Richters, 1911) <Transferred from *Diphaseon* by Bertolani et al. 2014> <Amended by Gąsiorek et al. 2017a> {see *Fontourion*}  
*Pilatobius rugocaudatus* (Rodríguez Röda, 1952) <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Degmion*}  
*Pilatobius rugosus* (Bartoš, 1935) <Transferred from *Diphaseon* by Bertolani et al. 2014>  
*Pilatobius seccii* (Bertolani & Rebecchi, 1996) {nomen inquirendum according to Gąsiorek et al. 2017a} <Transferred from *Diphaseon* by Bertolani et al. 2014> {see *Fontourion*}  
*Pilatobius sexbullatus* (Ito, 1995) <Transferred from *Diphaseon* by Bertolani et al. 2014>

*Pilatobius trachydorsatus* (Bartoš, 1937) <Transferred from *Diphaseon* by Bertolani *et al.* 2014>  
{see *P. bullatus*}

*Pilatobius ziliense* (Lisi, Sabella & Pilato, 2014) <Transferred from *Diphaseon* by Tumanov 2018>

Family: Ramazzottiidae Sands, McInnes, Marley, Goodall-Copestake, Convey & Linse, 2008  
{Sands *et al.* 2008 reported as taxon name Ramazzottidae but the correct name is Ramazzottiidae in compliance with the International Code of Zoological Nomenclature}

*Cryoconicus* Zawierucha, Stec, Lachowska-Cierlik, Takeuchi, Z. Li & Michalczyk, 2018  
<Amended by Guidetti *et al.* 2019b>

*Cryoconicus antiarktos* Guidetti, Massa, Bertolani, Rebecchi & Cesari, 2019

*Cryoconicus cataphractus* (Maucci, 1974) <Transferred from *Ramazzottius* by Zawierucha *et al.* 2018b; Amended by Guidetti *et al.* 2019b>

*Cryoconicus kaczmareki* Zawierucha, Stec, Lachowska-Cierlik, Takeuchi, Z. Li & Michalczyk, 2018

*Cryoconicus ljudmilae* (Biserov, 1997/98) <Amended and transferred from *Ramazzottius* by Guidetti *et al.* 2019b>

*Hebesuncus* Pilato, 1987

*Hebesuncus conjungens* (Thulin, 1911)

*Hebesuncus mollispinus* Pilato, McInnes & Lisi, 2012

*Hebesuncus ryani* Dastych & Harris, 1994 <Amended by Guidetti *et al.* 2019b>

*Hebesuncus schusteri* (Dastych, 1984)

*Ramazzottius* Binda & Pilato, 1986

*Ramazzottius affinis* Bertolani, Guidetti & Rebecchi, 1994

*Ramazzottius agannae* Dastych, 2011

*Ramazzottius andreevi* Biserov, 1997/98

*Ramazzottius anomalus* (Ramazzotti, 1962)

*Ramazzottius baumanni* (Ramazzotti, 1962)

*Ramazzottius belubellus* Bartels, Nelson, Kaczmarek & Michalczyk, 2011

*Ramazzottius bunikowskae* Kaczmarek, Michalczyk & Diduszko, 2006

*Ramazzottius caucasicus* Biserov, 1997/98

*Ramazzottius conifer* (Mihelčič, 1938) <Transferred from *Hypsibius* by Gąsiorek *et al.* 2018a>

*Ramazzottius edmondabouti* Séméria, 1993 {species *dubia* according to Guidetti *et al.* 2022a}

*Ramazzottius groenlandensis* Kihm, Zawierucha, Rho & Park, 2023

*Ramazzottius horningi* Binda & Pilato, 1994

*Ramazzottius kretschmanni* Guidetti, Cesari, Giovannini, Ebel, Förschler & Schill, 2022

*Ramazzottius libycus* Pilato, D'Urso & Lisi, 2013

*Ramazzottius littoreus* Fontoura, Rubal & Veiga, 2017

*Ramazzottius montivagus* (Dastych, 1983)

*Ramazzottius nivalis* Dastych, 2006 <Amended by Guidetti *et al.* 2019b>

*Ramazzottius novemcinctus* (Marcus, 1936) {nomen dubium according to Stec *et al.* 2018}

*Ramazzottius oberhaeuseri* (Doyère, 1840) <Amended by Stec *et al.* 2018>

*Ramazzottius rupeus* Biserov, 1999

*Ramazzottius sabatiniae* Guidetti, Massa, Bertolani, Rebecchi & Cesari, 2019

*Ramazzottius saltensis* (Claps & Rossi, 1984)  
*Ramazzottius semisculptus* Pilato & Rebecchi, 1992  
*Ramazzottius subanomalous* (Biserov, 1985)  
*Ramazzottius szeptycki* (Dastych, 1980) <Amended by Dastych 2009>  
*Ramazzottius theroni* Dastych, 1993  
*Ramazzottius thulini* (Pilato, 1970)  
*Ramazzottius tribulosus* Bertolani & Rebecchi, 1988  
*Ramazzottius valaamis* Biserov & Tumanov, 1993  
*Ramazzottius varieornatus* Bertolani & Kinchin, 1993

Superfamily: Isohypsibioidea Sands, McInnes, Marley, Goodall & Copestake, Convey & Linse, 2008  
<Amended by Bertolani *et al.* 2014 and by Gąsiorek *et al.* 2019e>

Family: Doryphoribiidae Gąsiorek, Stec, Morek & Michalczyk, 2019

*Apodibius* Dastych, 1983  
<Transferred from 'incertae sedis' to Isohypsibiidae by Dabert *et al.* 2013; Transferred from Isohypسibiidae by Gąsiorek *et al.* 2019e>  
*Apodibius confusus* Dastych, 1983  
*Apodibius nuntius* Binda, 1984 [*Apodibius serventyi* Morgan & Nicholls, 1986]  
*Apodibius richardi* Vargha, 1995

*Doryphoribus* Pilato, 1969  
<Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019e>  
*Doryphoribus amazzonicus* Lisi, 2011  
*Doryphoribus barbara* Beasley & Miller, 2012  
*Doryphoribus bertolanii* Beasley & Pilato, 1987  
*Doryphoribus bindae* Lisi, 2011  
*Doryphoribus cephalogibbosus* Rocha, Doma, Gonzales Reyes & Lisi, 2020  
*Doryphoribus chetumalensis* Pérez-Pech, Anguas-Escalante, Cutz-Pool & Guidetti, 2017  
*Doryphoribus dawkinsi* Michalczyk & Kaczmarek, 2010  
*Doryphoribus doryphorus* (Binda & Pilato, 1969)  
*Doryphoribus dupliglobulatus* Ito, 1995  
*Doryphoribus elleneddiei* Haefke, Spiers, Miller & Lowman, 2014  
*Doryphoribus evelinae* (Marcus, 1928)  
*Doryphoribus flavus* (Iharos, 1966) [*Doryphoribus citrinus* (Maucci, 1973)] <Amended by Lisi 2011>  
*Doryphoribus gibber* Beasley & Pilato, 1987 {Based on type material analysis, additional character to the original description was added by Pilato & Lisi 2006}  
*Doryphoribus huangguoshuensis* H. Wang, L. Wang & X. Li, 2007  
*Doryphoribus koreanus* Moon, Kim & Bertolani, 1994  
*Doryphoribus korganovae* Biserov, 1994  
*Doryphoribus longistipes* Bartels, Nelson, Kaczmarek & Michalczyk, 2008  
*Doryphoribus macrodon* Binda, Pilato & Dastych, 1980  
*Doryphoribus maasaimarensis* Fontoura, Lisi & Pilato, 2013  
*Doryphoribus maranguensis* Binda & Pilato, 1995

*Doryphoribius mariae* Pilato & Binda, 1990  
*Doryphoribius mcinnesae* Meng, X.-Z. Sun & X. Li, 2014  
*Doryphoribius mexicanus* Beasley, Kaczmarek & Michalczyk, 2008  
*Doryphoribius minimus* Bartels, Nelson, Kaczmarek & Michalczyk, 2008  
*Doryphoribius monstruosus* (Maucci, 1991) <Transferred from *Isohypsibius* by Gąsiorek et al.  
2019e>  
*Doryphoribius neglectus* Pilato & Lisi, 2004  
*Doryphoribius niedbalai* Zawierucha, Michalczyk & Kaczmarek, 2012  
*Doryphoribius picoensis* Fontoura, Pilato & Lisi, 2008  
*Doryphoribius pilatoi* Bertolani, 1984  
*Doryphoribius polynettae* Biserov, 1988  
*Doryphoribius qinlingense* X. Li, Su & Yu, 2004  
*Doryphoribius quadritungulatus* Kaczmarek & Michalczyk, 2004  
*Doryphoribius rosanae* Daza, Caicedo, Lisi & Quiroga, 2017  
*Doryphoribius smokiensis* Bartels, Nelson, Kaczmarek & Michalczyk, 2007  
*Doryphoribius solidunguis* Lisi, 2011  
*Doryphoribius taiwanus* X. Li & H. Li, 2008  
*Doryphoribius tergumrudis* Bartels, Nelson, Kaczmarek & Michalczyk, 2008  
*Doryphoribius tessellatus* Meyer, 2011  
*Doryphoribius turmenicus* Biserov, 1999  
*Doryphoribius vietnamensis* (Iharos, 1969)  
*Doryphoribius zappalai* Pilato, 1971  
*Doryphoribius zyxiglobus* (Horning, Schuster & Grigarick, 1978) <Amended by Claxton et al.  
2010>

*Grevenius* Gąsiorek, Stec, Morek & Michalczyk, 2019  
*Grevenius annulatus annulatus* (Murray, 1905) <Transferred from *Isohypsibius* by Gąsiorek et al.  
2019e>  
*Grevenius annulatus minor* (Ramazzotti, 1945) <Transferred from *Isohypsibius* by Gąsiorek et al.  
2019e>  
*Grevenius asper* (Murray, 1906) [*Isohypsibius tetradactyloides* (Richters, 1907)] <Dastych 2016  
amended *I. tetradactyloides* and synonymized it with *I. asper*; Transferred from  
*Isohypsibius* by Gąsiorek et al. 2019e>  
*Grevenius baicalensis* (Ramazzotti, 1966) <Transferred from *Isohypsibius* by Gąsiorek et al.  
2019e>  
*Grevenius baldii* (Ramazzotti, 1945) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>  
*Grevenius baldioides* (Tumanov, 2003) <Transferred from *Isohypsibius* by Gąsiorek et al.  
2019e>  
*Grevenius brevitubulatus* (Rho, Chang & Kim, 1997) {in Rho et al. 1997} <Transferred from  
*Isohypsibius* by Gąsiorek et al. 2019e>  
*Grevenius cryophilus* Zawierucha, Buda, Novotna Jaromerska & Gąsiorek, 2020 {in Zawierucha  
et al. 2020}  
*Grevenius deconincki* (Pilato, 1971) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>  
*Grevenius deflexus* (Mihelčič, 1960) <Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>  
*Grevenius fuscus* (Mihelčič, 1971/72) {nomen inquirendum according to Gąsiorek et al. 2019e}  
<Transferred from *Isohypsibius* by Gąsiorek et al. 2019e>  
*Grevenius granditintinus* (Chang & Rho, 1996) <Transferred from *Isohypsibius* by Gąsiorek et

- al.* 2019e>
- Grevenius granulifer*** (Thulin, 1928) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius hydrogogianus*** (Ito & Tagami, 1993) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius karenae*** (Zawierucha, 2013) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius kenodontis*** (Kendall-Fite & Nelson, 1996) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius koreanensis*** (Iharos, 1971) <*Isohypsistius granulifer koreanensis* elevated to species level and transferred by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
- Grevenius kотовae*** (Tumanov, 2003) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius kristensenii*** (Pilato, Catanzaro & Binda, 1989) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius ladogensis*** (Tumanov, 2003) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius laevis*** (McInnes, 1995) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius lineatus*** (Mihelčič, 1969) {*nomen dubium* according to Dastych 2015; *nomen inquirendum* according to Gąsiorek *et al.* 2019e} <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius longiunguis*** (Pilato, 1974) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius malawiensis*** (Jørgensen, 2001) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius marii*** (Bertolani, 1982) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius monoicus*** (Bertolani, 1982) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius myrops*** (du Bois-Reymond Marcus, 1944) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius nipponicus*** (Suzuki, 1975) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
- Grevenius pulcher*** (Mihelčič, 1971/72) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
- Grevenius pushkini*** (Tumanov, 2003) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius rugosus*** (Guidi & Grabowski, 1996) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e> {*nomen inquirendum* according to Gąsiorek *et al.* 2019e}
- Grevenius rusticus*** (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius sismicus*** (Maucci, 1978) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius tubereticulatus*** (Pilato & Catanzaro, 1989) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius verae*** (Pilato & Catanzaro, 1989) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>
- Grevenius zappalai*** (Pilato, Sabella & Lisi, 2015) <Transferred from *Isohypsistius* by Gąsiorek *et al.* 2019e>

*Paradiphascon* Dastych, 1992

<Transferred from Diphasconinae to Isohypsibiidae by Bertolani *et al.* 2014; Transferred from Isohypsibiidae by Gąsiorek *et al.* 2019e>

***Paradiphascon manningi*** Dastych, 1992

*Paradoryphoribus* Mapalo, Robin, Boudinot, Ortega-Hernández & Barden, 2021

***Paradoryphoribus chronocaribbeus*** Mapalo, Robin, Boudinot, Ortega-Hernández & Barden, 2021 {fossil species}

*Pseudobiotus* Nelson, 1980 {in Schuster *et al.* 1980}

<Transferred from Isohypsiidae by Gąsiorek *et al.* 2019e>

*Pseudobiotus hirsutellus* Pilato, Lisi & Binda, 2010

***Pseudobiotus kathmanae*** Nelson, Marley & Bertolani, 1999

*Pseudobiotus longiunguis* (Iharos, 1968) {species dubia according to Gąsiorek *et al.* 2019e}

*Pseudobiotus matici* (Pilato, 1971)

*Pseudobiotus megalonyx* (Thulin, 1928)

*Pseudobiotus spinifer* Chang, Kaczmarek, Lee & Michalczyk, 2007

*Pseudobiotus vladimiri* Biserov, Dudichev & Biserova, 2001 <Amended by Chang *et al.* 2007>

*Thulinius* Bertolani, 2003

[*Thulinia* Bertolani, 1982]

<Transferred from Isohypsiidae by Gąsiorek *et al.* 2019e>

*Thulinius augusti* (Murray, 1907) [*Macrobiotus lacustris* Wenck, 1914]

*Thulinius gustavi* Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021

*Thulinius itoi* (Tsurusaki, 1980)

*Thulinius romanoi* Bertolani, Bartels, Guidetti, Cesari & Nelson, 2014

*Thulinius ruffoi* (Bertolani, 1982)

*Thulinius salturus* (Schuster, Toftner & Grigarick, 1978) <Amended and transferred from *Isohypsius* by Kaczmarek *et al.* 2010>

***Thulinius stephaniae*** (Pilato, 1974)

Family: Halobiidae Gąsiorek, Stec, Morek & Michalczyk, 2019

*Halobiotus* Kristensen, 1982

<Transferred from Isohypsiidae by Gąsiorek *et al.* 2019e>

*Halobiotus appelloefi* (Richters, 1908) <Transferred from *Macrobiotus* by Gąsiorek *et al.* 2019e>  
{nomen inquirendum according to Gąsiorek *et al.* 2019e}

*Halobiotus arcturulus* Crisp & Kristensen, 1983

***Halobiotus crispae*** Kristensen, 1982

*Halobiotus geddesi* (Hallas, 1971) <Transferred from *Hypsibius* by Gąsiorek *et al.* 2019e>  
{nomen inquirendum according to Gąsiorek *et al.* 2019e}

*Halobiotus stenostomus* (Richters, 1908)

Family: Hexapodibiidae Cesari, Vecchi, Palmer, Bertolani, Pilato, Rebecchi & Guidetti, 2016

<Amended by Gąsiorek *et al.* 2019e>

*Haplohexapodibius* Pilato & Beasley, 1987

<Transferred from Calohypsibiidae to Isohypsiidae by Bertolani *et al.* 2014; Transferred from Isohypsiidae by Cesari *et al.* 2016>

***Haplohexapodibius seductor*** Pilato & Beasley, 1987 [*Hexapodibius beasleyi* Maucci, 1988]

*Haplomacrobiotus* May, 1948

<Transferred from Calohypsibiidae to Isohypisibiidae by Bertolani *et al.* 2014; Transferred from Isohypisibiidae by Cesari *et al.* 2016>

***Haplomacrobiotus hermosillensis*** May, 1948

*Haplomacrobiotus utahensis* Pilato & Beasley, 2005

*Hexapodibius* Pilato, 1969

<Transferred from Calohypsibiidae to Isohypisibiidae by Bertolani *et al.* 2014; Transferred from Isohypisibiidae by Cesari *et al.* 2016>

*Hexapodibius bindae* Pilato, 1982

*Hexapodibius boothi* Dastych & McInnes, 1994

*Hexapodibius christenberryae* Pilato & Binda, 2003

***Hexapodibius micronyx*** Pilato, 1969

*Hexapodibius pseudomicronyx* Robotti, 1972

*Hexapodibius reginae* Vargha, 1995

*Parhexapodibius* Pilato, 1969

<Transferred from Calohypsibiidae to Isohypisibiidae by Bertolani *et al.* 2014; Transferred from Isohypisibiidae by Cesari *et al.* 2016>

*Parhexapodibius bactrianus* Biserov, 1999

*Parhexapodibius castrii* (Ramazzotti, 1964)

***Parhexapodibius lagrecai*** (Binda & Pilato, 1969)

*Parhexapodibius pilatoi* (Bernard, 1977)

*Parhexapodibius ramazzottii* Manicardi & Bertolani, 1987

Family: Isohypsibiidae Sands, McInnes, Marley, Goodall-Copestake, Convey & Linse, 2008

<Amended by Gąsiorek *et al.* 2019e>

*Dastychius* Pilato, 2013

***Dastychius improvisus*** (Dastych, 1984) <Transferred from *Isohypsibius* by Pilato 2013;  
Amended by Mioduchowska *et al.* 2021>

*Dianeae* Gąsiorek, Stec, Morek & Michalczyk, 2019

*Dianeae acuminata* Gąsiorek, Stec, Morek & Michalczyk, 2019 {This species correspond to

*Isohypsbius papillifer indicus* (Iharos, 1969) elevated to species level and renamed by  
Gąsiorek *et al.* 2019e as the name *Dianeae indica* was already occupied by *Dianeae indica*  
(Murray, 1907)}

*Dianeae basalovoi* (Durante & Maucci, 1973) <Transferred from *Isohypsbius* by Gąsiorek *et al.*  
2019e>

*Dianeae bella* (Mihelčič, 1971) <Transferred from *Isohypsbius* by Gąsiorek *et al.* 2019e> {*nomen  
dubium* according to Dastych 2015; *species dubia* according to Gąsiorek *et al.* 2019e}

*Dianeae belliforma* (Mihelčič, 1971) <Transferred from *Isohypsbius* by Gąsiorek *et al.* 2019e>  
{*nomen dubium* according to Dastych 2015; *species dubia* according to Gąsiorek *et al.*  
2019e}

*Dianeae brevispinosa* (Iharos, 1966) <Transferred from *Isohypsbius* by Gąsiorek *et al.* 2019e>  
{*species dubia* according to Gąsiorek *et al.* 2019e}

- Dianeae costata* (Mihelčič, 1971) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
 {nomen dubium according to Dastych 2015; species *dubia* according to Gąsiorek et al. 2019e}
- Dianeae effusa* (Mihelčič, 1971) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
 {nomen dubium according to Dastych 2015; species *dubia* according to Gąsiorek et al. 2019e}
- Dianeae franzii* (Mihelčič, 1951) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
 {nomen dubium according to Dastych 2015; species *dubia* according to Gąsiorek et al. 2019e}
- Dianeae helenae* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e> {nomen inquirendum according to Gąsiorek et al. 2019e}
- Dianeae indica* (Murray, 1907) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e> {nomen inquirendum according to Gąsiorek et al. 2019e}
- Dianeae mammillosa* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
 {species *dubia* according to Gąsiorek et al. 2019e}
- Dianeae papillifera* (Murray, 1905) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e;  
*Isohypsistius papillifer bulbosus* (Marcus, 1928) suppressed by Gąsiorek et al. 2019e>
- Dianeae rahmi* (X. Li & L. Wang, 2006) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Dianeae sattleri* (Richters, 1902) [*Hypsibius bakonyiensis* Iharos, 1964] <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Dianeae tuberculoides* (Mihelčič, 1951) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
 {nomen dubium according to Dastych 2015; species *dubia* according to Gąsiorek et al. 2019e}
- Dianeae vejvodovskyi* (Bartoš, 1939) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
 {nomen inquirendum according to Gąsiorek et al. 2019e}

*Eremobiotus* Biserov, 1992

- Eremobiotus alicatai* (Binda, 1969)
- Eremobiotus ginevrae* Lisi, Binda & Pilato, 2016
- Eremobiotus ovezovae* Biserov, 1992

*Fractonotus* Pilato, 1998

<Amended and transferred from Microhypsistidae by Gąsiorek et al. 2019c>

- Fractonotus caelatus* (Marcus, 1928)

*Fractonotus gilvus* (Biserov, 1986) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019c>

*Fractonotus verrucosus* (Richters, 1900) [*Macrobiotus scabrosus* Murray, 1911 according to Marcus 1928, *Calohypsistius placophorus* (da Cunha, 1943) according to Gąsiorek et al. 2019c] <Amended and transferred from *Calohypsistius* by Gąsiorek et al. 2019c>

*Isohypsistius* Thulin, 1928

<Amended by Gąsiorek et al. 2019e>

*Isohypsistius arbiter* Binda, 1980

*Isohypsistius archangajensis* Kaczmarek & Michalczuk, 2004

*Isohypsistius arcuatus* (Bartoš, 1934)

*Isohypsistius barbara* Pilato & Binda, 2002

*Isohypsistius borkini* Tumanov, 2003

- Isohypsistius brulloi* Pilato & Pennisi, 1976
- Isohypsistius cambreensis* (Morgan, 1976) <*I. prosostomus cambreensis* elevated to species level by Gąsiorek et al. 2019e>
- Isohypsistius campbellensis* Pilato, 1996
- Isohypsistius canadensis* (Murray, 1910) {species dubia according to Gąsiorek et al. 2019e}
- Isohypsistius ceciliae* Pilato & Binda, 1987
- Isohypsistius changbaiensis* Yang, 1999 {species dubia according to Gąsiorek et al. 2019e}
- Isohypsistius chiarae* Maucci, 1987 [*Isohypsistius bertolanii* Manicardi, 1989]
- Isohypsistius condorcanquii* Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014
- Isohypsistius coulsoni* Kaczmarek, Zawierucha, Smykla & Michalczyk, 2012
- Isohypsistius damxungensis* Yang, 2007 {species dubia according to Gąsiorek et al. 2019e}
- Isohypsistius dastychi* Pilato, Bertolani & Binda, 1982
- Isohypsistius glazovi* Biserov, 1999
- Isohypsistius hadzii* (Mihelčič, 1938) {nomen dubium according to Dastych 2015; species dubia according to Gąsiorek et al. 2019e}
- Isohypsistius jakieli* Dastych, 1984
- Isohypsistius jingshanensis* Yang, 2003 {species dubia according to Gąsiorek et al. 2019e}
- Isohypsistius jinhouensis* Yang, 2007 {species dubia according to Gąsiorek et al. 2019e}
- Isohypsistius liae* X. Li & L. Wang, 2006 {nomen inquirendum according to Gąsiorek et al. 2019e}
- Isohypsistius macrodactylus* (Maucci, 1978) [*Isohypsistius zierhofferi* Dastych, 1980]
- Isohypsistius marcellinoi* Binda & Pilato, 1971
- Isohypsistius occultus* Pilato, D'Urso, Sabella & Lisi, 2019
- Isohypsistius palmai* Pilato, 1996
- Isohypsistius panovi* Tumanov, 2005
- Isohypsistius pauper* (Mihelčič, 1971) {nomen dubium according to Dastych 2015; nomen inquirendum according to Gąsiorek et al. 2019e}
- Isohypsistius prosostomus*** Thulin, 1928
- Isohypsistius pseudundulatus* (da Cunha & do Nascimento Ribeiro, 1964)
- Isohypsistius reticulatus* Pilato, 1973
- Isohypsistius sabellai* Pilato, Binda, Napolitano & Moncada, 2004
- Isohypsistius schaudinni* (Richters, 1909) {nomen inquirendum according to Gąsiorek et al. 2019e}
- Isohypsistius sculptus* (Ramazzotti, 1962)
- Isohypsistius sellnicki* (Mihelčič, 1962) {nomen dubium according to Dastych 2015}
- Isohypsistius solidus* (Mihelčič, 1971) {nomen dubium according to Dastych 2015}
- Isohypsistius taibaiensis* X. Li & L. Wang, 2005
- Isohypsistius tuberculatus* (Plate, 1888) {nomen dubium according to Dastych 2015; nomen inquirendum according to Gąsiorek et al. 2019e}
- Isohypsistius undulatus* Thulin, 1928
- Isohypsistius verrucosus* (Della Valle, 1915) [*Isohypsistius gibbus* (Marcus, 1928) according to Degma & Guidetti 2007] {nomen inquirendum according to Gąsiorek et al. 2019e}
- Isohypsistius wilsoni* (Horning, Schuster & Grigarick, 1978)
- Isohypsistius yunnanensis* Yang, 2002 {species dubia according to Gąsiorek et al. 2019e}

*Ursulinius* Gąsiorek, Stec, Morek & Michalczyk, 2019

*Ursulinius austriacus* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

- Ursulinus bartosi* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {*species dubia* according to Gąsiorek et al. 2019e}
- Ursulinus bulbifer* (Mihelčič, 1957) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen dubium according to Dastych 2015; *species dubia* according to Gąsiorek et al.  
   2019e}
- Ursulinus cameruni* (Iharos, 1969) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus cyrilli* (Mihelčič, 1951) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen dubium according to Dastych 2015}
- Ursulinus dudichi* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus duranteae* (Maucci, 1978) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus elegans* (Binda & Pilato, 1971) <Transferred from *Isohypsistius* by Gąsiorek et al.  
   2019e>
- Ursulinus eplenyiensis* (Iharos, 1970) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus glaber* (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsistius* by Gąsiorek et  
   al. 2019e>
- Ursulinus gracilis* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen inquirendum according to Gąsiorek et al. 2019e}
- Ursulinus gyulai* (Mihelčič, 1971) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen dubium according to Dastych 2015; *species dubia* according to Gąsiorek et al.  
   2019e}
- Ursulinus hypostomoides* (Mihelčič, 1971) <Transferred from *Isohypsistius* by Gąsiorek et al.  
   2019e> {nomen dubium according to Dastych 2015}
- Ursulinus josephi* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus latiunguis* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen inquirendum according to Gąsiorek et al. 2019e}
- Ursulinus leithaicus* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus lunulatus* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen inquirendum according to Gąsiorek et al. 2019e}
- Ursulinus mihelcici* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen inquirendum according to Gąsiorek et al. 2019e}
- Ursulinus montanus* (Mihelčič, 1938) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen inquirendum according to Gąsiorek et al. 2019e}
- Ursulinus neoundulatus* (Durante Pasa & Maucci, 1975) <Transferred from *Isohypsistius* by  
   Gąsiorek et al. 2019e>
- Ursulinus nodosus* (Murray, 1907) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen dubium according to Dastych 2015}
- Ursulinus novaeguineae* (Iharos, 1967) <Transferred from *Isohypsistius* by Gąsiorek et al.  
   2019e>
- Ursulinus pappi* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus pilatoi* (Durante Pasa & Maucci, 1979) <Transferred from *Isohypsistius* by Gąsiorek et  
   al. 2019e>
- Ursulinus pratensis* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>  
   {nomen inquirendum according to Gąsiorek et al. 2019e}
- Ursulinus qinlingensis* (X. Li, L. Wang & Yu, 2005) <Transferred from *Isohypsistius* by  
   Gąsiorek et al. 2019e>
- Ursulinus roberti* (Biserov, 1996) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>
- Ursulinus ronsisvallei* (Binda & Pilato, 1969) <Transferred from *Isohypsistius* by Gąsiorek et al.

2019e>

*Ursulinius rudescui* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

*Ursulinius septentrionalis* (Thulin, 1928) <Transferred from *Isohypsistius* by Gąsiorek et al.

2019e>

*Ursulinius silvicola* (Iharos, 1966) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

{*nomen inquirendum* according to Gąsiorek et al. 2019e}

*Ursulinius theresiae* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

{*nomen inquirendum* according to Gąsiorek et al. 2019e}

*Ursulinius torulosus* (Mihelčič, 1959) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

{*nomen dubium* according to Dastych 2015}

*Ursulinius truncorum* (Iharos, 1964) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

*Ursulinius tucumanensis* (Claps & Rossi, 1984) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

*Ursulinius woodsae* (Kathman, 1990) <Transferred from *Isohypsistius* by Gąsiorek et al. 2019e>

*Vladimirobius* Kaczmarek, Bartylak & Roszkowska, 2020

*Vladimirobius irregibilis* (Biserov, 1992) <Transferred from *Isohypsistius* to *Grevenius* by

Gąsiorek et al. 2019e> <Transferred from *Grevenius* by Kaczmarek et al. 2020a>

*Weglarskobius* Kaczmarek, Bartylak & Roszkowska, 2020

*Weglarskobius altai* (Kaczmarek & Michalczyk, 2006) <Transferred from *Isohypsistius* by

Kaczmarek et al. 2020a>

Ramajendidae Tumanov, 2022

*Ramajendas* Pilato & Binda, 1990

<Transferred from Ramazzottiidae to Isohypssiidae by Zawierucha et al. 2018b; Transferred from Isohypssiidae to *Incertae sedis* by Gąsiorek et al. 2019e; Transferred from *Incertae sedis* by Tumanov 2022>

{Probably belongs to the family Ramazzottiidae according to Bertolani et al. 2014}

*Ramajendas dastychi* Kaczmarek, Janko, Smykla & Michalczyk, 2013

*Ramajendas frigidus* Pilato & Binda, 1990

*Ramajendas heatwolei* Miller, Horning & Dastych, 1995

*Ramajendas renaudi* (Ramazzotti, 1972)

*Incertae sedis*

{according to Gąsiorek et al. 2019e}

*Thalerius* Dastych, 2009

<Transferred from Ramazzottiidae to Isohypssiidae by Zawierucha et al. 2018b; Transferred from Isohypssiidae to *Incertae sedis* by Gąsiorek et al. 2019e>

{To be confirmed in the family Isohypssiidae, see Marley et al. 2011; Probably belongs to the family Ramazzottiidae according to Bertolani et al. 2014}

*Thalerius konradi* Dastych, 2009

Superfamily: Macrobiotoidea Thulin, 1928 {in Marley et al. 2011}

Family: Adorybiotidae Stec, Vecchi & Michalczyk, 2020 {in Stec *et al.* 2020f}

*Adorybiotus* Maucci & Ramazzotti, 1981

<Transferred from *Macrobiotidae* to *Richtersiidae* by Guidetti *et al.* 2016; Transferred from *Richtersiidae* by Stec *et al.* 2020f; Belonging to *Richtersiusidae* according to Guidetti *et al.* 2021>

*Adorybiotus granulatus* (Richters, 1903)

*Crenubiotus* Lisi, Londoño & Quiroga, 2020

<Transferred from *Macrobiotidae* to *Richtersiidae* by Lisi *et al.* 2020; Transferred from *Richtersiidae* by Stec *et al.* 2020f; Belonging to *Richtersiusidae* according to Guidetti *et al.* 2021>

*Crenubiotus crenulatus* (Richters, 1904) [*Macrobiotus dentatus* Binda, 1974] <Redescribed, neotype (from Palabione, Valtellina, Italy) designated and transferred from *Macrobiotus* by Lisi *et al.* 2020; amended Redescribed and new neotype (from the original type locality Svalbard, Norway) designated by Stec *et al.* 2020f >

*Crenubiotus revelator* Lisi, Londoño & Quiroga, 2020

*Crenubiotus ruhesteini* Guidetti, Schill, Giovannini, Massa, Goldoni, Ebel, Förschler, Rebecchi & Cesari, 2021

*Crenubiotus salishani* Vecchi, Choong & Calhim, 2022

Family: Macrobiotidae Thulin, 1928

*Biserovus* Guidetti & Pilato, 2003

*Biserovus bindae* (Christenberry & Higgins, 1979)

*Calcarobiotus* Dastych, 1993

Subgenus: *Calcarobiotus* Dastych, 1993

<Amended by Kaczmarek *et al.* 2006>

*Calcarobiotus (Calcarobiotus) digeronimo* Pilato, Binda & Lisi, 2004

*Calcarobiotus (Calcarobiotus) filmeri* Dastych, 1993

*Calcarobiotus (Calcarobiotus) gildae* (Maucci & Durante Pasa, 1980)

*Calcarobiotus (Calcarobiotus) hainanensis* X. Li, D. Wang & L. Wang, 2008

*Calcarobiotus (Calcarobiotus) imperialis* Abe & Takeda, 2000

*Calcarobiotus (Calcarobiotus) longinoi* Kaczmarek, Michalczyk & Guidetti, 2006

*Calcarobiotus (Calcarobiotus) occultus* Dastych, 1993

*Calcarobiotus (Calcarobiotus) pariscalcar* Pilato & Lisi, 2009

Subgenus: *Discrepunguis* Guidetti & Bertolani, 2001

*Calcarobiotus (Discrepunguis) polygonatus* (Binda & Guglielmino, 1991) [*Macrobiotus eugranulatus* Maucci, 1993]

*Calcarobiotus (Discrepunguis) tetrannulatus* Pilato, Binda & Lisi, 2004

*Famelobiota* Pilato, Binda & Lisi, 2004

*Famelobiota scalicui* Pilato, Binda & Lisi, 2004

*Insuetifurca* Guidetti & Pilato, 2003

***Insuetifurca arrowsmithi*** (Kathman & Nelson, 1989)

*Insuetifurca austronipponica* Abe, 2005

*Insuetifurca fijiense* (Ito, 1997)

*Insuetifurca xiae* (X. Li, Su & Yu, 2004) <Amended and transferred from *Biserovus* by Li 2009>

*Macrobiotus* C.A.S. Schultze, 1834

<Amended by Stec et al. 2021a>

*Macrobiotus acadianus* (Meyer & Domingue, 2011) <Transferred from *Minibiotus* by Stec et al. 2015>

*Macrobiotus almadai* Fontoura, Pilato & Lisi, 2008

*Macrobiotus alvaroi* Pilato & Kaczmarek, 2007

*Macrobiotus anderssoni* Richters, 19071908

*Macrobiotus andinus* Maucci, 1988

*Macrobiotus anemone* Meyer, Domingue & Hinton, 2014

*Macrobiotus annae* Richters, 1908 {nomen inquirendum according to Stec et al. 2021a}

*Macrobiotus annewintersae* Vecchi & Stec, 2021

*Macrobiotus ariekammensis ariekammensis* Węglarska, 1965 [*Macrobiotus adelges* Dastych, 1977]

*Macrobiotus ariekammensis groenlandicus* Stec, Vončina, Kristensen & Michalczyk, 2022

*Macrobiotus artipharyngis* Iharos, 1940 {nomen dubium according to Stec et al. 2021a}

*Macrobiotus ascensionis* Richters, 1908 {nomen inquirendum according to Stec et al. 2021a}

*Macrobiotus azzunae* Ben Marnissi, Cesari, Rebecchi & Bertolani, 2021

*Macrobiotus basiatus* Nelson, Adkins Fletcher, Guidetti, Roszkowska, Grobys & Kaczmarek, 2021

*Macrobiotus birendrai* Kayastha, Roszkowska, Mioduchowska, Gawlak & Kaczmarek, 2021

*Macrobiotus biserovi* Bertolani, Guidi & Rebecchi, 1996

*Macrobiotus brevipes* Mihelčič, 1971/72 {nomen inquirendum according to Stec et al. 2021a}

*Macrobiotus caelestis* Coughlan, Michalczyk & Stec, 2019

*Macrobiotus canaricus* Stec, Krzywański & Michalczyk, 2018

*Macrobiotus carsicus* Maucci, 1954 {nomen inquirendum according to Stec et al. 2021a}

*Macrobiotus caymanensis* Meyer, 2011

*Macrobiotus crustulus* Stec, Dudziak & Michalczyk, 2020

*Macrobiotus dariae* Pilato & Bertolani, 2004

*Macrobiotus deceptor* Meyer, Hinton, Gladney & Klumpp, 2017

*Macrobiotus denticulus* Dastych, 2002

*Macrobiotus diversus* Biserov, 1990

*Macrobiotus dolosus* Bertolani, Cesari, Giovannini, Rebecchi, Guidetti, Kaczmarek & Pilato, 2022

*Macrobiotus drakensbergi* Dastych, 1993

*Macrobiotus dulciporus* Roszkowska, Gawlak, Draga & Kaczmarek, 2019

*Macrobiotus echinogenitus* Richters, 1903

*Macrobiotus engbergi* Stec, Tumanov & Kristensen, 2020

***Macrobiotus euxinus* (Pilato, Kiosya, Lisi, Inshina & Biserov, 2011) <Transferred from *Xerobiotus* by Stec et al. 2021a>** {see also *Xerobiotus*}

*Macrobiotus evelinae* de Barros, 1938 {nomen inquirendum according to Stec et al. 2021a}

*Macrobiotus fontourai* Bertolani, Cesari, Giovannini, Rebecchi, Guidetti, Kaczmarek & Pilato,

2022

- Macrobiotus gemmatus* Bartoš, 1963 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus glebkai* Biserov, 1990
- Macrobiotus gretae* (Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021) <Transferred from *Xerobiotus* by Stec et al. 2022> {see also *Xerobiotus*}
- Macrobiotus halophilus* Fontoura, Rubal & Veiga, 2017
- Macrobiotus hannaee* Nowak & Stec, 2018
- Macrobiotus hibiscus* de Barros, 1942 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus horningi* Kaczmarek & Michalczyk, 2017
- Macrobiotus hufelandi* C.A.S. Schultze, 1834 [*Macrobiotus schultzei* Greeff, 1866 according to Marcus 1928]
- Macrobiotus humilis* Binda & Pilato, 2001
- Macrobiotus hupingensis* Yuan, Y. Wang, Q. Liu, L. Liu & X. Li, 2022
- Macrobiotus hyperboreus* Biserov, 1990
- Macrobiotus hyperoncus* (Meyer, Domingue & Hinton, 2014) <Transferred from *Murrayon* by Guidetti et al. 2022b>
- Macrobiotus iharosi* Pilato, Binda & Catanzaro, 1991
- Macrobiotus inermis* Binda & Pilato, 1971 <Synonymized with *Macrobiotus pseudohufelandi* Iharos, 1966 by Pilato 1973 but considered as bona species by Vincenzi et al. 2024> {see also *Xerobiotus*}
- Macrobiotus insignis* Bartoš, 1963 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus insularis* Pilato, 2006
- Macrobiotus joannae* Pilato & Binda, 1983
- Macrobiotus julianae* (Meyer, 2012) <Transferred from *Minibiotus* by Stec et al. 2015>
- Macrobiotus kamilae* Coughlan & Stec, 2019
- Macrobiotus kathyae* Massa & Vecchi, 2024
- Macrobiotus kazmierskii* Kaczmarek & Michalczyk, 2009
- Macrobiotus kirghizicus* Tumanov, 2005
- Macrobiotus kolleri* Mihelčić, 1951 {nomen dubium according to Dastych 2015; nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus komareki* Bartoš, 1939 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus kosmali* Kayastha, Mioduchowska, Gawlik, Ślugocki, Araújo, Gonçalves Silva & Kaczmarek, 2023
- Macrobiotus kristensenii* Guidetti, Peluffo, Rocha, Cesari & Moly de Peluffo, 2013
- Macrobiotus kurasi* Dastych, 1981
- Macrobiotus kyoukenus* Cesari, Giovannini, Altiero, Guidetti, Cornette, Kikawada & Rebecchi, 2022
- Macrobiotus lissostomus* Durante Pasa & Maucci, 1979
- Macrobiotus longipes* Mihelčić, 1971/72 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus macrocalix* Bertolani & Rebecchi, 1993
- Macrobiotus maculatus* Iharos, 1973 <*M. hufelandi* *maculatus* amended and elevated to species level by Kaczmarek & Michalczyk 2017>
- Macrobiotus madagassus* Maucci, 1993
- Macrobiotus mandalaae* Pilato, 1974
- Macrobiotus margoae* Stec, Vecchi & Bartels, 2021 {in Stec et al. 2021b}
- Macrobiotus marlenae* Kaczmarek & Michalczyk, 2004
- Macrobiotus martini* Bartels, Pilato, Lisi & Nelson, 2009

- Macrobiotus mileri* Stec, 2024
- Macrobiotus modestus* Pilato & Lisi, 2009
- Macrobiotus muralis* Bertolani, Cesari, Giovannini, Rebecchi, Guidetti, Kaczmarek & Pilato, 2022
- Macrobiotus naginae* Vecchi, Stec, Vuori, Ryndov, Chartrain & Calhim, 2022 {see *Xerobiotus*}
- Macrobiotus naskreckii* Bąkowski, Roszkowska, Gawlak & Kaczmarek, 2016
- Macrobiotus nebrodensis* Pilato, Sabella, D'Urso & Lisi, 2017
- Macrobiotus nelsonae* Guidetti, 1998
- Macrobiotus noemiae* Roszkowska & Kaczmarek, 2019
- Macrobiotus noongaris* Coughlan & Stec, 2019
- Macrobiotus norvegicus* Mihelčič, 1971/72 {nomen dubium according to Stec et al. 2021a}
- Macrobiotus occidentalis occidentalis* Murray, 1910 {see *Diaforobiota*}
- Macrobiotus occidentalis striatus* Dastych, 1974 {Massa et al. (2024) proposed the elevation of *Macrobiotus occidentalis striatus* Dastych, 1974 to species level, renaming it as *Macrobiotus occidentalis* Dastych, 1974 because of validity of *Macrobiotus striatus* Mihelčič, 1949}
- Macrobiotus ocotensis* Pilato, 2006
- Macrobiotus ovidii* Bartoš, 1937 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus ovovillosus* Baumann, 1960 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus ovoittatus* Stec, 2024
- Macrobiotus pallarii* Maucci, 1954 [*Macrobiotus aviglianae* Robotti, 1970] {Incorrectly transferred to *Mesobiota* due to an error during the printing process of Vecchi et al. 2016a; corrected in Vecchi et al. 2016b}
- Macrobiotus papei* Stec, Kristensen & Michalczyk, 2018
- Macrobiotus papillosum* Iharos, 1963 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus patagonicus* Maucci, 1988
- Macrobiotus paulinae* Stec, Smolak, Kaczmarek & Michalczyk, 2015
- Macrobiotus persimilis* Binda & Pilato, 1972
- Macrobiotus personatus* Bisarov, 1990
- Macrobiotus pisacensis* Kaczmarek, Cyran, Zawierucha, Diduszko & Michalczyk, 2014
- Macrobiotus polonicus* Pilato, Kaczmarek, Michalczyk & Lisi, 2003
- Macrobiotus polyopus* Marcus, 1928
- Macrobiotus polypiformis* Roszkowska, Ostrowska, Stec, Janko & Kaczmarek, 2017
- Macrobiotus porifini* Kuzdrowska, Mioduchowska, Gawlak, Bartylak, A. Kepel, M. Kepel & Kaczmarek, 2021
- Macrobiotus porteri* Rahm, 1931 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus potockii* Węglarska, 1968 {nomen inquirendum according to Stec et al. 2021a}
- Macrobiotus primitivae* de Barros, 1942
- Macrobiotus psephus* du Bois-Reymond Marcus, 1944
- Macrobiotus pseudohufelandi* Iharos, 1966 [*Macrobiotus inermis* Binda & Pilato, 1971] <Re-transferred from *Xerobiotus* by Stec et al. 2021a> {see also *Xerobiotus*}
- Macrobiotus pseudopallarii* Stec, Vecchi & Michalczyk, 2021 {in Stec et al. 2021b}
- Macrobiotus punctillus* Pilato, Binda & Azzaro, 1990
- Macrobiotus ragonesei* Binda, Pilato, Moncada & Napolitano, 2001
- Macrobiotus ramoli* Dastych, 2005
- Macrobiotus rawsoni* Horning, Schuster & Grigarick, 1978 <Amended by Kaczmarek & Michalczyk 2017>

- Macrobiotus rebecchii* Stec, 2022
- Macrobiotus recens* Cuénot, 1932
- Macrobiotus ripperi* Stec, Vecchi & Michalczyk, 2021 {in Stec et al. 2021b}
- Macrobiotus rollei* Heinis, 1920 {*nomen inquirendum* according to Stec et al. 2021a}
- Macrobiotus rubens* Murray, 1907 {*nomen dubium* according to Stec et al. 2021a}
- Macrobiotus rybaki* Stec & Vecchi, 2021 {in Vecchi & Stec 2021}
- Macrobiotus sandrae* Bertolani & Rebecchi, 1993
- Macrobiotus santoroi* Pilato & D'Urso, 1976
- Macrobiotus sapiens* Binda & Pilato, 1984
- Macrobiotus scoticus* Stec, Morek, Gąsiorek, Blagden & Michalczyk, 2017
- Macrobiotus semmelweisi* Pilato, Binda & Lisi, 2006
- Macrobiotus serratus* Bertolani, Guidi & Rebecchi, 1996
- Macrobiotus seychellensis* Biserov, 1994
- Macrobiotus shennongensis* Yang, 1999 {*nomen dubium* according to Stec et al. 2021a}
- Macrobiotus shonaicus* Stec, Arakawa & Michalczyk, 2018
- Macrobiotus siderophilus* Bertolani, Cesari, Giovannini, Rebecchi, Guidetti, Kaczmarek & Pilato, 2022
- Macrobiotus sottilei* Pilato, Kiosya, Lisi & Sabella, 2012
- Macrobiotus stanislausi* Kaczmarek, Rutkowski, Zacharyasiewicz, Surmacki, Osiejuk & Kayastha, 2023
- Macrobiotus striatus* Mihelčič, 1949 {*nomen dubium* according to Dastych 2015; *nomen inquirendum* according to Stec et al. 2021a}
- Macrobiotus terminalis* Bertolani & Rebecchi, 1993
- Macrobiotus terricola* Mihelčič, 1951 {*nomen dubium* according to Dastych 2015; *nomen inquirendum* according to Stec et al. 2021a}
- Macrobiotus tetraplacoides* Fontoura, 1981 {*nomen inquirendum* according to Stec et al. 2021a}
- Macrobiotus topali* Iharos, 1969 {*nomen inquirendum* according to Stec et al. 2021a}
- Macrobiotus trunovae* Biserov, Pilato & Lisi, 2011
- Macrobiotus virgatus* Murray, 1910 {*nomen inquirendum* according to Stec et al. 2021a}
- Macrobiotus vladimiri* Bertolani, Biserov, Rebecchi & Cesari, 2011
- Macrobiotus wandae* Kayastha, Berdi, Miaduchowska, Gawlak, Łukasiewicz, Gołdyn & Kaczmarek, 2020
- Macrobiotus xerophilus* Dastych, 1978 <Re-transferred from *Xerobiotus* by Stec et al. 2021a>  
{see also *Xerobiotus*}
- Macrobiotus yunshanensis* Yang, 2002 {*nomen dubium* according to Stec et al. 2021a}
- Mesobiota* Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a
- Mesobiota altitudinalis* (Biserov, 1997/98) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiota anastasiae* Tumanov, 2020
- Mesobiota aradasi* (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiota arguei* (Pilato & Sperlinga, 1975) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiota armatus* (Pilato & Binda, 1996) <Transferred from *Macrobiotus* by Vecchi et al. 2016a> {*species inquirenda* according to Roszkowska et al. 2017}
- Mesobiota australis* (Pilato & D'Urso, 1976) <Transferred from *Macrobiotus* by Vecchi et al.

- 2016a>  
*Mesobiotus baltatus* (McInnes, 1991) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus barabanovi* (Tumanov, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.*
- 2016a>  
*Mesobiotus barbara*e (Kaczmarek, Michalczyk & Degma, 2007) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus binieki* (Kaczmarek, Gołdyn, Prokop & Michalczyk, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus blocki* (Dastych, 1984) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus contii* (Pilato & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus coronatus* (de Barros, 1942) <Amended by Pilato *et al.* 2000; Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus creber* (Pilato & Lisi, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus datanlanicus* Stec, 2019  
*Mesobiotus diegoi* Stec, 2022  
*Mesobiotus diffusus* (Binda & Pilato, 1987) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus diguensis* (Pilato & Lisi, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus dilimanensis* Itang, Stec, Mapalo, Mirano-Bascos & Michalczyk, 2020  
*Mesobiotus dimentmani* (Pilato, Lisi & Binda, 2010) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus divergens* (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus emiliae* Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021  
*Mesobiotus erminiae* (Binda & Pilato, 1999) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus ethiopicus* Stec & Kristensen, 2017  
*Mesobiotus fiedleri* Kaczmarek, Bartylak, Stec, Kulpa, M. Kepel, A. Kepel & Roszkowska, 2020  
*Mesobiotus furciger* (Murray, 1907) [*Macrobiotus ehrenbergi* Heinis, 1921; *Macrobiotus furcatus* Murray, 1906] <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
***Mesobiotus harmsworthi*** (Murray, 1907) [*Mesobiotus harmsworthi obscurus* (Dastych, 1985) according to Kaczmarek *et al.* 2018] <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a; Redescribed by Kaczmarek *et al.* 2018 based on *Macrobiotus harmsworthi obscurus* paratypes>  
*Mesobiotus helenae* Tumanov & Pilato, 2019  
*Mesobiotus hieronimi* (Pilato & Claxton, 1988) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus hilariae* Vecchi, Cesari, Bertolani, Jönsson, Rebecchi & Guidetti, 2016a  
***Mesobiotus huecoensis*** Vecchi, McDaniel & Walsh, 2023 {in Vecchi *et al.* 2023a}  
*Mesobiotus imperialis* Stec, 2021  
*Mesobiotus insanis* Mapalo, Stec, Mirano-Bascos & Michalczyk, 2017  
*Mesobiotus insuetus* (Pilato, Sabella & Lisi, 2014) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus joenssoni* Guidetti, Gneuss, Cesari, Altiero & Schill, 2020  
*Mesobiotus kovalevi* (Tumanov, 2004) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

- Mesobiotus krynauwi* (Dastych & Harris, 1995) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus liviae* (Ramazzotti, 1962) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus lusitanicus* (Maucci & Durante Pasa, 1984) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus maklowiczi* Stec, 2022
- Mesobiotus mandalori*** Erdmann, Kosicki, Kayastha, Mioduchowska & Kaczmarek, 2024
- Mesobiotus marmoreus* Stec, 2021
- Mesobiotus mauccii* (Pilato, 1974) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus meridionalis* (Richters, 1909) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus montanus* (Murray, 1910) [*Macrobiotus morulatus* Bartoš, 1936] <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus mottai* (Binda & Pilato, 1994) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus neuquensis* (Rossi, Claps & Ardochain, 2009) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus nikolaevae* Tumanov, 2018
- Mesobiotus nuragicus* (Pilato & Sperlinga, 1975) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus occultatus* Kaczmarek, Zawierucha, Buda, Stec, Gawlak, Michalczyk & Roszkowska, 2018
- Mesobiotus orcadensis* (Murray, 1907) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus ovostriatus* (Pilato & Patanè, 1998) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus patiens* (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus perfidus* (Pilato & Lisi, 2009) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus peterseni* (Maucci, 1991) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus philippinicus* Mapalo, Stec, Mirano-Bascos & Michalczyk, 2016
- Mesobiotus pilatoi* (Binda & Rebecchi, 1992) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus polaris* (Murray, 1910) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus pseudoblocki* Roszkowska, Stec, Ciobanu & Kaczmarek, 2016
- Mesobiotus pseudocoronatus* (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus pseudoliviae* (Pilato & Binda, 1996) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus pseudonuragicus* (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus pseudopatiens* Kaczmarek & Roszkowska, 2016
- Mesobiotus radiatus* (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus reinhardti* (Michalczyk & Kaczmarek, 2003) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>
- Mesobiotus rigidus* (Pilato & Lisi, 2006) <Transferred from *Macrobiotus* by Vecchi et al. 2016a>

*Mesobiotus romani* Roszkowska, Stec, Gawlak & Kaczmarek, 2018  
*Mesobiotus siamensis* (Tumanov, 2006) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus sicheli* (Binda, Pilato & Lisi, 2005) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus simulans* (Pilato, Binda, Napolitano & Moncada, 2000) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus skorackii* Kaczmarek, Zawierucha, Buda, Stec, Gawlak, Michalczyk & Roszkowska, 2018  
*Mesobiotus snaresensis* (Horning, Schuster & Grigarick, 1978) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus stellaris* (du Bois-Reymond Marcus, 1944) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus szeptyckii* (Kaczmarek & Michalczyk, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus tehuelchensis* (Rossi, Claps & Ardohain, 2009) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus wuzhishanensis* (Yin, L. Wang & X. Li, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>  
*Mesobiotus zhejiangensis* (Yin, L. Wang & X. Li, 2011) <Transferred from *Macrobiotus* by Vecchi *et al.* 2016a>

*Minibiotus* R.O. Schuster, 1980 {in Schuster *et al.* 1980}

*Minibiotus acontistus* (de Barros, 1942)  
*Minibiotus aculeatus* (Murray, 1910) [*Macrobiotus intermedius subjulietae* Horning, Schuster & Grigarick, 1978]  
*Minibiotus africanus* Binda & Pilato, 1995  
*Minibiotus allani* (Murray, 1913)  
*Minibiotus aquatilis* Claxton, 1998  
*Minibiotus asteris* Claxton, 1998  
*Minibiotus bernhardi* R. Schuster, 2021  
*Minibiotus bisoctus* (Horning, Schuster & Grigarick, 1978)  
*Minibiotus citlalium* Dueñas-Cedillo & García-Román, 2020 {in Dueñas-Cedillo *et al.* 2020}  
*Minibiotus claxtonae* Rossi, Claps & Ardohain, 2009  
*Minibiotus constellatus* Michalczyk & Kaczmarek, 2003  
*Minibiotus continuus* Pilato & Lisi, 2006  
*Minibiotus crassidens* (Murray, 1907)  
*Minibiotus decrescens* Binda & Pilato, 1995  
*Minibiotus diphasconides* (Iharos, 1969)  
*Minibiotus diversus* Ciobanu, Roszkowska & Kaczmarek, 2015  
*Minibiotus eichhorni* Michalczyk & Kaczmarek, 2004  
*Minibiotus ethelae* Claxton, 1998  
*Minibiotus fallax* Pilato, Claxton & Binda, 1989  
*Minibiotus floriparus* Claxton, 1998  
*Minibiotus formosus* Zawierucha, Dziamecki, Jakubowska, Michalczyk & Kaczmarek, 2014  
*Minibiotus furcatus* (Ehrenberg, 1859) [nec *Macrobiotus furcatus* Murray, 1906] <Transferred to *Macrobiotus* by Bertolani *et al.* 2014; Re-transferred back to *Minibiotus* by Stec *et al.* 2021a>

*Minibiotus granatai* (Pardi, 1941)  
*Minibiotus gumersindoii* Guil & Guidetti, 2005  
*Minibiotus harrylewi* Meyer & Hinton, 2009  
*Minibiotus hispidus* Claxton, 1998  
*Minibiotus hufelandioides* (Murray, 1910)  
***Minibiotus intermedius*** (Plate, 1888) <Redescribed and neotype (from Marburg, Germany)  
designated by Kaczmarek et al. 2022b (original type locality in Chile and Marburg,  
Germany)>  
*Minibiotus ioculator* Stec, Kristensen & Michalczyk, 2020  
*Minibiotus jonesorum* Meyer, Lyons, Nelson & Hinton, 2011  
*Minibiotus julietae* (de Barros, 1942)  
*Minibiotus keppelensis* Claxton, 1998  
*Minibiotus lazzaroi* (Maucci, 1986) [*Macrobiotus spallanzanii* Maucci, 1973] <Transferred from  
*Macrobiotus* by Stec et al. 2021a>  
*Minibiotus maculartus* Pilato & Claxton, 1988  
*Minibiotus marcusii* (de Barros, 1942)  
*Minibiotus milleri* Claxton, 1998  
*Minibiotus orthofasciatus* Fontoura, Pilato, Lisi & Morais, 2009  
*Minibiotus pentannulatus* Londoño, Daza, Lisi & Quiroga, 2017 <Amended by Stec et al.  
2020b>  
*Minibiotus pilatus* Claxton, 1998  
*Minibiotus poricinctus* Claxton, 1998  
*Minibiotus pseudofurcatus* (Pilato, 1972) <Transferred from *Macrobiotus* by Stec et al. 2021a>  
*Minibiotus pseudostellarus* Roszkowska, Stec, Ciobanu & Kaczmarek, 2016  
*Minibiotus pustulatus* (Ramazzotti, 1959)  
*Minibiotus ramazzottii* Binda & Pilato, 1992  
*Minibiotus scopulus* Claxton, 1998  
*Minibiotus sidereus* Pilato, Binda & Lisi, 2003  
*Minibiotus spertii* (Ramazzotti, 1957) <Transferred from *Macrobiotus* by Stec et al. 2021a>  
*Minibiotus stuckenbergi* (Dastych, Ryan & Watkins, 1990) <Transferred from *Macrobiotus* by  
Dastych & Drummond 1996>  
*Minibiotus subintermedius* (Ramazzotti, 1962)  
*Minibiotus taiti* Claxton, 1998  
*Minibiotus vinciguerrae* Binda & Pilato, 1992  
*Minibiotus weglarskiae* Michalczyk, Kaczmarek & Claxton, 2005  
*Minibiotus weinerorum* (Dastych, 1984) <Transferred from *Macrobiotus* by Miller et al. 1994>  
*Minibiotus wuzhishanensis* X. Li, D. Wang & L. Wang, 2008  
*Minibiotus xavieri* Fontoura, Pilato, Morais & Lisi, 2009

*Minilentus* Guidetti & Pilato, 2003

*Minilentus dubius* (Schuster & Toftner, 1982)

*Paramacrobiotus* Guidetti, Schill, Bertolani, Dandekar & Wolf, 2009  
<Amended by Kaczmarek et al. 2017>

{The genus was split into two subgenera named *Paramacrobiotus* Guidetti et al., 2009 and  
*Amicrobiotus* Marley et al., 2018 by Kaczmarek et al. 2017 and Marley et al. 2018; The two  
subgenera are not valid according to Guidetti et al. 2019a}

*Paramacrobiotus alekseevi* (Tumanov, 2005) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009; Some characters amended by Stec *et al.* 2020e>

*Paramacrobiotus arduus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

*Paramacrobiotus areolatus* (Murray, 1907) [*Paramacrobiotus crenatus* (Maucci, 1991), previously transferred from *Macrobiotus* by Guidetti *et al.* 2009, according to Stec *et al.* 2020c] <Transferred from *Macrobiotus* by Guidetti *et al.* 2009; Amended by Stec *et al.* 2020c>

*Paramacrobiotus bengalensis* Basu, Babu, Siddique & Purushothaman, 2023

*Paramacrobiotus beotiae* (Durante Pasa & Maucci, 1979) {*species dubia*; Guidetti *et al.* 2009}

*Paramacrobiotus bifrons* Brandoli, Cesari, Massa, Vecchi, Rebecchi & Guidetti, 2024

*Paramacrobiotus celsus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

*Paramacrobiotus centesimus* (Pilato, 2000) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus chieregoi* (Maucci & Durante Pasa, 1980) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus corgatensis* (Pilato, Binda & Lisi, 2002) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus csotiensis* (Iharos, 1966) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009; ~~>~~ Amended by Kaczmarek *et al.* 2017>

*Paramacrobiotus danielae* (Pilato, Binda, Napolitano & Moncada, 2001) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus danielisae* (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Degma 2013>

*Paramacrobiotus depressus* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019

*Paramacrobiotus derkai* (Degma, Michalczyk & Kaczmarek, 2008) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus experimentalis* Kaczmarek, Mioduchowska, Poprawa & Roszkowska, 2020 {in Kaczmarek *et al.* 2020b}

*Paramacrobiotus fairbanksi* Schill, Förster, Dandekar & Wolf, 2010 <Amended by Guidetti *et al.* 2019a> {The species had been initially diagnosed based on genetic data only and no morphological difference from *Paramacrobiotus richtersi* had been found}

*Paramacrobiotus filipi* Dudziak, Stec & Michalczyk 2020 {in Stec *et al.* 2020e}

*Paramacrobiotus gadabouti* Kayastha, Stec, Mioduchowska & Kaczmarek, 2023 {in Kayastha *et al.* 2023}

*Paramacrobiotus garynahi* (Kaczmarek, Michalczyk & Diduszko, 2005) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus gerlachae* (Pilato, Binda & Lisi, 2004) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus halei* (Bartels, Pilato, Lisi & Nelson, 2009) <Transferred from *Macrobiotus* by Bartels & Nelson 2012>

*Paramacrobiotus hapukuensis* (Pilato, Binda & Lisi, 2006) <Transferred from *Macrobiotus* by Degma 2013>

*Paramacrobiotus huziori* (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>

*Paramacrobiotus intii* Kaczmarek, Cytan, Zawierucha, Diduszko & Michalczyk, 2014

- Paramacrobiotus kenianus* Schill, Förster, Dandekar & Wolf, 2010 {The species has been diagnosed based on genetic data only and no morphological difference from *Paramacrobiotus richtersi* has been found}
- Paramacrobiotus klymenki* Pilato, Kiosya, Lisi & Sabella, 2012
- Paramacrobiotus lachowskae* Stec, Roszkowska, Kaczmarek & Michalczyk, 2018
- Paramacrobiotus lorenae* (Biserov, 1996) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
- Paramacrobiotus magdalenae* (Michalczyk & Kaczmarek, 2006) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
- Paramacrobiotus metropolitanus* Sugiura, Matsumoto & Kunieda, 2022
- Paramacrobiotus palaui* Schill, Förster, Dandekar & Wolf, 2010 {The species has been diagnosed based on genetic data only and no morphological difference from *Paramacrobiotus richtersi* has been found}
- Paramacrobiotus peteri* (Pilato, Claxton & Binda, 1989) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
- Paramacrobiotus pius* Lisi, Binda & Pilato, 2016
- Paramacrobiotus priviterae* (Binda, Pilato, Moncada & Napolitano, 2001) <Transferred from *Macrobiotus* by Degma 2013>
- Paramacrobiotus richtersi* (Murray, 1911) [*Macrobiotus schultzei* Cuénot, 1932 according to Marcus 1936] <Transferred from *Macrobiotus* by Guidetti *et al.* 2009; Amended by Guidetti *et al.* 2019a>
- Paramacrobiotus rioplatensis* (Claps & Rossi, 1997) <Transferred from *Macrobiotus* but doubly attributed to the genus by Guidetti *et al.* 2009>
- Paramacrobiotus sagani* Daza, Caicedo, Lisi & Quiroga, 2017
- Paramacrobiotus savai* (Binda & Pilato, 2001) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
- Paramacrobiotus sklodowskae* (Michalczyk, Kaczmarek & Węglarska, 2006) <Transferred from *Macrobiotus* by Degma 2013>
- Paramacrobiotus spatialis* Guidetti, Cesari, Bertolani, Altiero & Rebecchi, 2019
- Paramacrobiotus spinosus* Kaczmarek, Gawlak, Bartels, Nelson & Roszkowska, 2017
- Paramacrobiotus submorulatus* (Iharos, 1966) <Amended and transferred from *Macrobiotus* by Kaczmarek *et al.* 2017>
- Paramacrobiotus tonollii* (Ramazzotti, 1956) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
- Paramacrobiotus vanescens* (Pilato, Binda & Catanzaro, 1991) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009> {Based on type material, additional characters to the original description were added by Binda & Pilato 2001 and Pilato *et al.* 2001}
- Paramacrobiotus walteri* (Biserov, 1997/98) <Transferred from *Macrobiotus* by Guidetti *et al.* 2009>
- Paramacrobiotus wauensis* (Iharos, 1973) <Amended and transferred from *Macrobiotus* by Kaczmarek *et al.* 2017> {*nomen dubium* according to Kaczmarek *et al.* 2017}
- Pseudodiphascon* Ramazzotti, 1965 {*genus dubium* according to Guidetti & Pilato 2003}
- Pseudodiphascon inflexum* (Arcidiacono, 1964)

*Pseudohexapodibius* Bertolani & Biserov, 1996

*Pseudohexapodibius degenerans* (Biserov, 1990)

*Schusterius* Kaczmarek & Michalczyk, 2006

*Schusterius tridigitus* (R.O. Schuster, 1983)

*Sisubiotus* Stec, Vecchi, Calhim & Michalczyk, 2021

<Amended by Vecchi *et al.* 2022>

*Sisubiotus grandis* (Richters, 1911) <Transferred from *Macrobiotus* by Stec *et al.* 2021a>

*Sisubiotus hakaiensis* Vecchi, Choong & Calhim, 2022

*Sisubiotus spectabilis* (Thulin, 1928) <Transferred from *Macrobiotus* by Stec *et al.* 2021a>

*Sisubiotus wuyishanensis* (P. Zhang & X.-Z. Sun, 2014) <Transferred from *Macrobiotus* by Stec *et al.* 2021a> {species inquirenda according to Stec *et al.* 2021a}

*Tenuibiotus* Pilato & Lisi, 2011

<Amended by Stec & Morek 2022>

*Tenuibiotus bondavallii* (Manicardi, 1989) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus bozhkae* Pilato, Kiosya, Lisi, Inshina & Bisarov, 2011

*Tenuibiotus ciprianoi* (Guil, Guidetti & Machordom, 2007) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus danilovi* (Tumanov, 2007) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus higginsi* (Maucci, 1987) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus hystricogenitus* (Maucci, 1978) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus kozharai* (Bisarov, 1999) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus mongolicus* (Maucci, 1988) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus tenuiformis* (Tumanov, 2007) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus tenuis* (Binda & Pilato, 1972) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus voronkovi* (Tumanov, 2007) <Transferred from *Macrobiotus* by Pilato & Lisi 2011; Amended by Zawierucha *et al.* 2016 and Stec *et al.* 2020d>

*Tenuibiotus willardi* (Pilato, 1977) <Transferred from *Macrobiotus* by Pilato & Lisi 2011>

*Tenuibiotus yeliseii* Tsvetkova & Tumanov, 2024

*Tenuibiotus zandrae* Stec, Tumanov & Kristensen, 2020

*Xerobiotus* Bertolani & Bisarov, 1996

{Proposed to be suppressed with the transfer (for *X. euxinus*, *X. gretae*) and re-transfer (for *X. pseudohufelandi*, *X. xerophilus*) of its species to *Macrobiotus* by Stec *et al.* 2021a, 2022, but considered valid by Massa *et al.* 2021 and Vincenzi *et al.* 2024; for this reason the species are reported for both genera}

*Xerobiotus arenosum* Vincenzi, Cesari, Kaczmarek, Roszkowska, Mioduchowska, Rebecchi, Kiosya & Guidetti, 2024

*Xerobiotus euxinus* Pilato, Kiosya, Lisi, Inshina & Bisarov, 2011 <Transferred from *Xerobiotus* to *Macrobiotus* by Stec *et al.* 2021a> {Based on type material, additional characters to the original description were added by Vincenzi *et al.* 2024} {see also *Macrobiotus*}

*Xerobiotus gretae* Massa, Guidetti, Cesari, Rebecchi & Jönsson, 2021 <Transferred from *Xerobiotus* to *Macrobiotus* by Stec *et al.* 2022> {see also *Macrobiotus*}

*Xerobiotus inermis* (Binda & Pilato, 1971) <*Macrobiotus inermis* Binda & Pilato, 1971  
synonymized with *Macrobiotus pseudohufelandi* Iharos, 1966 by Pilato 1973 but  
considered as *bona species* and transferred from *Macrobiotus* by Vincenzi *et al.* 2024> {see  
also *Macrobiotus*}

*Xerobiotus litus* Vincenzi, Cesari, Kaczmarek, Roszkowska, Mioduchowska, Rebecchi, Kiosya &  
Guidetti, 2024

*Xerobiotus naginae* (Vecchi, Stec, Vuori, Ryndov, Chartrain & Calhim, 2022) <Transferred from  
*Macrobiotus* by Vincenzi *et al.* 2024>

*Xerobiotus pseudohufelandi* (Iharos, 1966) [*Macrobiotus inermis* Binda & Pilato, 1971] {see  
also *Macrobiotus*} <Re-transferred from *Xerobiotus* to *Macrobiotus* by Stec *et al.* 2021a>

*Xerobiotus reductus* Vincenzi, Cesari, Kaczmarek, Roszkowska, Mioduchowska, Rebecchi,  
Kiosya & Guidetti, 2024

*Xerobiotus xerophilus* (Dastych, 1978) <Re-transferred from *Xerobiotus* to *Macrobiotus* by Stec  
*et al.* 2021a> {see also *Macrobiotus*}

Family: Murrayidae Guidetti, Rebecchi & Bertolani, 2000

*Dactylobiotus* R.O. Schuster, 1980 {in Schuster *et al.* 1980}

*Dactylobiotus ambiguus* (Murray, 1907)

*Dactylobiotus ampullaceus* (Thulin, 1911)

*Dactylobiotus aquatilis* Yang, 1999 {*nomen dubium* according to Pogwizd & Stec 2020}

*Dactylobiotus caldarella* Pilato & Binda, 1994

*Dactylobiotus dervizi* Biserov, 1998

*Dactylobiotus dispar* (Murray, 1907)

*Dactylobiotus grandipes* (Schuster, Toftner & Grigarick, 1978) <Amended by Kaczmarek &  
Michalczyk 2010>

*Dactylobiotus haplonyx* Maucci, 1981

*Dactylobiotus henanensis* Yang, 2002 {*nomen dubium* according to Pogwizd & Stec 2020}

*Dactylobiotus kansae* Beasley, Miller & Shively, 2009 {*nomen dubium* according to Pogwizd &  
Stec 2020}

*Dactylobiotus lombardoi* Binda & Pilato, 1999

*Dactylobiotus luci* Kaczmarek, Michalczyk & Eggermont, 2008

*Dactylobiotus macronyx* (Dujardin, 1851) {*nomen dubium* according to Dastych 2015 and  
Pogwizd & Stec 2020}

*Dactylobiotus octavi* Guidetti, Altiero & Hansen, 2006

*Dactylobiotus ovimutans* Kihm, Kim, McInnes, Zawierucha, Rho, Kang & Park, 2020

*Dactylobiotus parthenogeneticus* Bertolani, 1982

*Dactylobiotus selenicus* Bertolani, 1982

*Dactylobiotus vulcanus* Kaczmarek, Schabetsberger, Litwin & Michalczyk, 2012

*Macroversum* Pilato & Catanzaro, 1988

*Macroversum mirum* Pilato & Catanzaro, 1988

*Murrayon* Bertolani & Pilato, 1988  
<Amended by Guidetti *et al.* 2022b>

*Murrayon hastatus* (Murray, 1907)

*Murrayon nocentiniae* (Ramazzotti, 1961) {Based on type material, additional characters to the

original description were added by Guidetti *et al.* 2022b}  
*Murrayon ovoglabellus* (Biserov, 1988) {Based on type material, additional characters to the original description were added by Guidetti *et al.* 2022b}  
*Murrayon pullari* (Murray, 1907)

*Paramurrayon* Guidetti, Giovannini, Del Papa, Ekrem, Nelson, Rebecchi & Cesari, 2022  
*Paramurrayon dianeae* (Kristensen, 1982) <Transferred from *Murrayon* by Guidetti *et al.* 2022b>  
*Paramurrayon hibernicus* (Murray, 1911) <Transferred from *Murrayon* by Guidetti *et al.* 2022b>  
{*nomen dubium* according to Guidetti *et al.* 2022b}  
*Paramurrayon meieri* Guidetti, Giovannini, Del Papa, Ekrem, Nelson, Rebecchi & Cesari, 2022  
*Paramurrayon stellatus* (Guidetti, 1998) <Transferred from *Murrayon* by Guidetti *et al.* 2022b>

Family: Richtersiusidae Guidetti, Schill, Giovannini, Massa, Goldoni, Ebel, Förschler, Rebecchi & Cesari, 2021  
[Richtersiidae Guidetti, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016]  
<Amended by Lisi *et al.* 2020, Guidetti *et al.* 2021, Stec 20222023 and by Massa *et al.* 2024>

*Diaforobiotus* Guidetti, Rebecchi, Bertolani, Jönsson, Kristensen & Cesari, 2016  
*Diaforobiotus caelicola* (Kathman, 1990) <Transferred from *Macrobiotus* by Stec *et al.* 2021a>  
*Diaforobiotus hyperonyx* (Maucci, 1983) <Transferred from *Macrobiotus* to *Tenuibiotus* by Pilato & Lisi 2011; Transferred from *Tenuibiotus* and amended by Stec & Morek 2022 >  
*Diaforobiotus islandicus islandicus* (Richters, 1904) [*Macrobiotus ruffoi* Maucci, 1973]  
<Transferred from *Macrobiotus* by Guidetti *et al.* 2016; Redescribed and neotype (from Grindavík, Iceland) designated by Stec 20222023 (original type locality Faskends-Fjord, eastern Iceland)>  
*Diaforobiotus islandicus nicaraguensis* (Séméria, 1985) <Transferred from *Macrobiotus* by Guidetti *et al.* 2016> {*nomen inquirendum* according to Stec 20222023}  
*Diaforobiotus occidentalis* (Murray, 1910) <Transferred from *Macrobiotus* by Massa *et al.* 2024>  
*Diaforobiotus svalbardicus* Stec, 20222023

*Richtersius* Pilato & Binda, 1989  
[*Richtersia* Pilato & Binda, 1987]  
<Transferred from *Macrobiotidae* by Guidetti *et al.* 2016>  
*Richtersius coronifer* (Richters, 1903) <Redescribed by Stec *et al.* 2020a; neotype (from one of the original type locality Klaas Billen Bay, Svalbard, Norway) designated by Stec & Michalczyk 2020>  
*Richtersius mazepi* Kiosya & Stec, 2022  
*Richtersius tertius* Pogwizd & Stec, 2022  
*Richtersius ziemowiti* Kayastha, Berdi, Miaduchowska, Gawlak, Łukasiewicz, Gołdyn, Jędrzejewski & Kaczmarek, 2020

#### *Incertae sedis*

{The placement of the following taxa into any superfamily remains still unclear, see Marley *et al.* 2011}

Family: Beornidae Cooper, 1964

*Beorn* Cooper, 1964

*Beorn leggi* Cooper, 1964 {fossil species}

Family: Necopinatidae Ramazzotti & Maucci, 1983

*Necopinatum* Pilato, 1971

*Necopinatum mirabile* Pilato, 1971

## References

- Bartels, P.J. & Nelson, D.R. (2012) An online key and field guide to the tardigrades of the Great Smoky Mountains National Park (North Carolina & Tennessee, USA, North America) with taxonomic revisions of two species. *Zootaxa*, 3249, 67–68.
- Bartels, P.J., Fontoura, P. & Nelson, D.R. (2018) Marine tardigrades of the Bahamas with the description of two new species and updated keys to the species of *Anisonyches* and *Archechiniscus*. *Zootaxa*, 4420(1), 43–70.
- Bartels, P.J., Fontoura, P., Nelson, D.R., Orozco-Cubero, S., Mioduchowska, M., Gawlak, M., Kaczmarek, Ł. & Cortés, J. (2021) A trans-isthmus survey of marine tardigrades from Costa Rica (Central America) with descriptions of seven new species. *Marine Biology Research*; <https://doi.org/10.1080/17451000.2021.1901936>, 17 (2), 120–166.
- Bartoš, E. (1967) Želvusky-Tardigrada. In: Bartoš, E., Šlais, J. (eds.) *Fauna ČSSR*, Prague: Československá Akademie, 17, 1–190.
- Bartylak, T., Kayastha, P., Roszkowska, M., Kepel, A., Kepel, M. & Kaczmarek, Ł. (2022) Tardigrades of the Ivohibory forest (south-central Madagascar) with a description of a new *Bryodelphax* species. *The European Zoological Journal*, 89, 423–436.
- Bello, G. & de Zio Grimaldi, S. (1998) Phylogeny of the genera of the Stygarctidae and related families (Tardigrada: Heterotardigrada). *Zoologischer Anzeiger*, 237, 171–183.
- Bernard, E.C. (1977) A new species of *Hexapodibius* from North America, with a redescription of *Diphascon belgicae* (Tardigrada). *Transactions of the American Microscopical Society*, 96(4), 476–482.
- Bertolani, R., Guidetti, R., Marchioro, T., Altiero, T., Rebecchi, L. & Cesari, M. (2014) Phylogeny of Eutardigrada: New molecular data and their morphological support lead to the identification of new evolutionary lineages. *Molecular Phylogenetics and Evolution*, 76, 110–126.
- Binda, M.G. & Kristensen, R.M. (1986) Notes on the genus *Oreella* (Oreellidae) and the systematic position of *Carphania fluviatilis* Binda, 1978 (Carphanidae fam. nov., Heterotardigrada). *Animalia*, 13 (1/3), 9–20.
- Binda, M.G. & Pilato, G. (2001) *Macrobiotus savai* and *Macrobiotus humilis*, two new species of tardigrades from Sri Lanka. *Bollettino dell'Accademia Gioenia di Scienze Naturali*, 34 (360), 101–111.
- Biserov, V.I. (1986) Terrestrial water bears from the north Caucasus. 1. Heterotardigrada. *Zoologicheskiy Zhurnal*, 65 (5), 747–756. [in Russian]
- Bochnak, M., Vončina, K., Kristensen, R.M. & Gąsiorek, P. (2020) Continued exploration of Tanzanian rainforests reveals a new echiniscid species (Heterotardigrada). *Zoological Studies*, 59:18 (2020) doi:10.6620/ZS.2020.59-18

- Buda, J., Olszanowski, Z., Wierzgoń, M. & Zawierucha, K. (2018) Tardigrades and oribatid mites in bryophytes from geothermally active lava fields (Krafla, Iceland) and the description of *Pilatobius islandicus* sp. nov. (Eutardigrada). *Polish Polar Research*, 39(3), 425–453.
- Cesari, M., Vecchi, M., Palmer, A., Bertolani, R., Pilato, G., Rebecchi, L. & Guidetti, R. (2016) What if the claws are reduced? Morphological and molecular phylogenetic relationships of the genus *Haplomacrobiotus* May, 1948 (Eutardigrada, Parachela). *Zoological Journal of the Linnean Society*, 178, 819–827.
- Chang, C.Y., Kaczmarek, Ł., Lee, J.M. & Michalczyk, Ł. (2007) *Pseudobiotus spinifer*, a new tardigrade species (Eutardigrada: Hypsibiidae) from Nakdong River, South Korea, with a redescription of *P. vladimiri* Biserov, Dudichev & Biserova. *Zoological Science*, 24, 623–629.
- Christenberry, D. & Mason W.H. (1979) Redescription of *Echiniscus virginicus* Riggins (Tardigrada) with notes on life history, range, and geographic variation. *Journal of the Alabama Academy of Science*, 50, 47–61.
- Claxton, S.K., Beasley, C.W., Kaczmarek, L. & Michalczyk, L. (2010) Redescription of *Doryphoribus zyxiglobus* (Horning, Schuster & grigarick 1978) (Eutardigrada: Hypsibiidae) and extension of its geographic range. *New Zealand Journal of Zoology*, 37, 243–253.
- Dabert, M., Dastych, H., Hohberg, K. & Dabert, J. (2013) Phylogenetic position of the enigmatic clawless eutardigrade genus *Apodibius* Dastych, 1983 (Tardigrada), based on 18S and 28S rRNA sequence data from its type species *A. confusus*. *Molecular Phylogenetics and Evolution*, 70, 70–75.
- Dastych, H. (2009) Notes on the African limno-terrestrial tardigrade *Ramazzottius szeptycki* (Dastych, 1980) (Tardigrada). *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg*, 15, 87–91.
- Dastych, H. (2015) Tardigrada. In: Schuster R. (ed.) *Checklisten der Fauna Österreichs*, 8, 1–25.
- Dastych, H. (2016) Redescription and taxonomic status of the Antarctic water-bear *Isohypsibus tetradactyloides* (Richters, 1907), as concluded from the rediscovered type material (Tardigrada). *Acta Biologica Benrodis*, 18, 21–43.
- Dastych, H. (2018) Redescription and revalidation of the sub-Antarctic tardigrade *Hypsibus murrayi* (Richters, 1907) based on the rediscovered type material (Tardigrada, Panarthropoda). *Entomologie heute*, 30, 95–115.
- Dastych, H. (2019) *Cryobiotus roswithae* gen. n., sp. n., a new genus and species of glacier-dwelling tardigrades from northern Norway (Tardigrada, Panarthropoda). *Entomologie heute*, 31, 95–111.
- Dastych, H. & Drummond, A.E. (1996) Notes on limnic water-bears (Tardigrada) from the Robertskollen nunataks, Dronning Maud Land, Antarctica. *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg*, 12(154), 111–117.
- Dastych, H., McInnes, S.J. & Claxton, S.K. (1998) *Oreella mollis* Murray, 1910 (Tardigrada): a redescription and revision of Oreella. *Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut*, 95, 89–113.
- Degma, P. (2013) Notes to the species composition of the genus *Paramacrobiotus* Guidetti *et al.*, 2009 (Tardigrada, Eutardigrada, Macrobiotidae). *Zootaxa*, 3681(1), 96–98.
- Degma, P. & Guidetti, R. (2007) Notes to the current checklist of Tardigrada. *Zootaxa*, 1579, 41–53.**
- Degma, P., Meyer, H.A. & Hinton, J.G. (2021) *Claxtonia goni*, a new species of Tardigrada (Heterotardigrada, Echiniscidae) from the island of Maui (Hawaiian Islands, U.S.A., North

- Pacific Ocean), with notes to the genus *Claxtonia* Gąsiorek & Michalczyk, 2019. *Zootaxa*, 4933(4), 527–542.
- DeMilio, E., Tumanov, D.V., Lawton, C., Kristensen, R.M. & Hansen, J.G. (2022a) Two new *Bryodelphax* Thulin, 1928 species (Heterotardigrada: Echiniscidae) from the Republic of Ireland with comments on the ‘weglarskae group’ and other heterotardigrade taxa, including the controversial genus *Bryochoerus* Marcus, 1936. *Journal of Animal Diversity*, 4 (2), 1–52.
- DeMilio, E., Tumanov, D.V., Lawton, C. & Hansen, J.G. (2022b) Observations of Irish *Parechiniscus* Cuénot, 1926 (Heterotardigrada: Echiniscidae) convey new information (and questions) about the genus. *Biology and Environment: Proceedings of the Royal Irish Academy*, 122 (3), 161–179.
- de Zio Grimaldi, S., Gallo D'Addabbo, M., Sandulli, R. & D'Addabbo, R. (2003) Checklist of the Italian marine Tardigrada. *Meiofauna Marina*, 12, 97–135.
- Dueñas-Cedillo, A., Evelyn Martínez-Méndez, E., García-Román, J., Armendáriz-Toledano, F. & Alejandro Ruiz, E. (2020) Tardigrades from Iztaccíhuatl volcano (Trans-Mexican Volcanic Belt), with the description of *Minibiotus citlalium* sp. nov. (Eutardigrada: Macrobiotidae). *Diversity*, 12, 271. doi:10.3390/d12070271
- Fontoura, P., Bartels, P.J., Jørgensen, A., Kristensen, R.M. & Hansen, J.G. (2017) A dichotomous key to the genera of the marine Heterotardigrades (Tardigrada). *Zootaxa*, 4294, 1–45.
- Fujimoto, S. & Hansen, J.G. (2019) Revision of *Angursa* (Arthrotardigrada: Styraconyidae) with the description of a new species from Japan. *European Journal of Taxonomy*, 510, 1–19. <https://doi.org/10.5852/ejt.2019.510>
- Fujimoto, S. & Miyazaki, K. (2013) *Neostygarctus lovedeluxe* n. sp. from the Miyako Islands, Japan: The First Record of Neostygarctidae (Heterotardigrada: Arthrotardigrada) from the Pacific. *Zoological Science*, 30(5), 414–419.
- Fujimoto, S. & Yamasaki, H. (2017) A new genus and species of Renaudarctidae (Heterotardigrada: Arthrotardigrada) from Ryukyu Archipelago, Japan. *Marine Biology Research*, 13(3), 288–299.
- Fujimoto, S., Jørgensen, A. & Hansen, J.G. (2017) A molecular approach to arthrotardigrade phylogeny (Heterotardigrada, Tardigrada). *Zoologica Scripta*, 46, 496–505.
- Gąsiorek, P. (2022) Water bear with barbels of a catfish: A new Asian *Cornechiniscus* (Heterotardigrada: Echiniscidae) illuminates evolution of the genus. *Zoologischer Anzeiger*, 300, 47–64.
- Gąsiorek, P. (2023) Eventually tested: Phylogenetic position of “*Testechiniscus*” *meridionalis* (Murray, 1906) (Heterotardigrada) revealed. *Zoologischer Anzeiger*, 304, 49–60.
- Gąsiorek, P. & Kristensen, R.M. (2022) New marine heterotardigrade lineages (Echiniscoididae) from the tropics. *The European Zoological Journal*, 89 (1), 719–754.
- Gąsiorek, P. & Michalczyk, Ł. (2020a) Phylogeny of Itaquasconinae in the light of the evolution of the flexible pharyngeal tube in Tardigrada. *Zoologica Scripta*, 49 (4), 499–515. <https://doi.org/10.1111/zsc.12424>
- Gąsiorek, P. & Michalczyk, Ł. (2020b) Revised *Cornechiniscus* (Heterotardigrada) and new phylogenetic analyses negate echiniscid subfamilies and tribes. *Royal Society Open Science*, 7: 200581.
- Gąsiorek, P. & Michalczyk, Ł. (2024) Novel integrative data for Indomalayan echiniscids (Heterotardigrada): new species and old problems. *Organisms Diversity & Evolution* <https://doi.org/10.1007/s13127-023-00628-5>
- Gąsiorek, P. & Vončina, K. (2023) Atlas of the Echiniscidae (Heterotardigrada) of the World—

- part I: West Palaearctic *Echiniscus* species. *Zootaxa*, 5344 (1): 1–72.
- Gąsiorek, P., Stec, D., Morek, W., Zawierucha, K., Kaczmarek, Ł., Lachowska-Cierlik, D. & Michalczyk, Ł. (2016) An integrative revision of *Mesocrista* Pilato, 1987 (Tardigrada: Eutardigrada: Hypsibiidae). *Journal of Natural History*, 50(45–46), 2803–2828.
- Gąsiorek, P., Zawierucha, K., Stec, D. & Michalczyk, Ł. (2017a) Integrative redescription of a common Arctic water bear *Pilatobius recamieri* (Richters, 1911). *Polar Biology*, 40, 2239–2252. DOI 10.1007/s00300-017-2137-9
- Gąsiorek, P., Stec, D., Morek, W. & Michalczyk, Ł. (2017b) An integrative redescription of *Echiniscus testudo* (Doyère, 1840), the nominal taxon for the class Heterotardigrada (Ecdysozoa: Panarthropoda: Tardigrada). *Zoologischer Anzeiger*, 270, 107–122.
- Gąsiorek, P., Stec, D., Morek, W. & Michalczyk, Ł. (2018a) An integrative redescription of *Hypsibius dujardini* (Doyère, 1840), the nominal taxon for Hypsibioidea (Tardigrada: Eutardigrada). *Zootaxa*, 4415(1), 45–75.
- Gąsiorek, P., Stec, D., Zawierucha, K., Kristensen, R.M. & Michalczyk, Ł. (2018b) Revision of *Testechiniscus* Kristensen, 1987 (Heterotardigrada: Echiniscidae) refutes the polar-temperate distribution of the genus. *Zootaxa*, 4472(2), 261–297.
- Gąsiorek, P., Suzuki, A.C., Kristensen, R.M., Lachowska-Cierlik, D. & Michalczyk, Ł. (2018c) Untangling the *Echiniscus* Gordian knot: *Stellariscus* gen. nov. (Heterotardigrada : Echiniscidae) from Far East Asia. *Invertebrate Systematics*, 32, 1234–1247.
- Gąsiorek, P., Blagden, B. & Michalczyk, Ł. (2019a) Towards a better understanding of echiniscid intraspecific variability: A redescription of *Nebularmis reticulatus* (Murray, 1905) (Heterotardigrada: Echiniscoidea). *Zoologischer Anzeiger*, 283, 242–255.
- Gąsiorek, P., Jackson, K.J., Meyer, H.A., Zajac, K., Nelson, D.R., Kristensen, R.M. & Michalczyk, Ł. (2019b) *Echiniscus virginicus* complex: the first case of pseudocryptic allopatry and pantropical distribution in tardigrades. *Biological Journal of the Linnean Society*, 20, 128 (4), 789–805. <https://academic.oup.com/biolinnean/article/128/4/789/5611049>
- Gąsiorek, P., Morek, W., Stec, D., Blagden, B. & Michalczyk, Ł. (2019c) Revisiting Calohypsibiidae and Microhypibiidae: *Fractonotus* Pilato, 1998 and its phylogenetic position within Isohypibiidae (Eutardigrada: Parachela). *Zoosystema*, 41 (6), 71–89.
- Gąsiorek, P., Morek, W., Stec, D. & Michalczyk, Ł. (2019d) Untangling the *Echiniscus* Gordian knot: paraphyly of the “*arctomys* group” (Heterotardigrada: Echiniscidae). *Cladistics*, 35, 633–653.
- Gąsiorek, P., Stec, D., Morek, W. & Michalczyk, Ł. (2019e) Deceptive conservatism of claws: distinct phyletic lineages concealed within Isohypobiidea (Eutardigrada) revealed by molecular and morphological evidence. *Contributions to Zoology*, 88, 78–132.
- Gąsiorek, P., Vončina, K., Degma, P. & Michalczyk, Ł. (2020a) Small is beautiful: the first phylogenetic analysis of *Bryodelphax* Thulin, 1928 (Heterotardigrada, Echiniscidae). *Zoosystematics and Evolution*, 96, 217–236.
- Gąsiorek, P., Kristensen, D.M. & Kristensen, R.M. (2021a) Extreme secondary sexual dimorphism in the genus *Florarctus* (Heterotardigrada: Halechiniscidae). *Marine Biodiversity* 51:52; <https://doi.org/10.1007/s12526-021-01183-y>
- Gąsiorek, P., Vončina, K., Ciosek, J., Veloso, M., Fontoura, P. & Michalczyk, Ł. (2021b) New Indomalayan *Nebularmis* species (Heterotardigrada: Echiniscidae) provoke a discussion on its intrageneric diversity. *Zoological Letters* 7:6; <https://doi.org/10.1186/s40851-021-00172-0>

- Gąsiorek, P., Vončina, K., Zajac, K. & Michalczyk, Ł. (2021c) Phylogeography and morphological evolution of *Pseudechiniscus* (Heterotardigrada: Echiniscidae). *Scientific Reports* 11:7606; <https://doi.org/10.1038/s41598-021-84910-6>
- Gąsiorek, P., Oczkowski, A., Blagden, B., Kristensen, R.M., Bartels, P.J., Nelson, D.R., Suzuki, A.C. & Michalczyk, Ł. (2021d) New Asian and Nearctic *Hypechiniscus* species (Heterotardigrada: Echiniscidae) signalize a pseudocryptic horn of plenty. *Zoological Journal of the Linnean Society*, 20, 1–59192 (3), 794–852.
- Gąsiorek, P., Vončina, K., Nelson, D.R. & Michalczyk, Ł. (2021e) The importance of being integrative: a remarkable case of synonymy in the genus *Viridiscus* (Heterotardigrada: Echiniscidae). *Zoological Letters*, 7:13. <https://doi.org/10.1186/s40851-021-00181-z>
- Gąsiorek, P., Bochnak, M., Vončina, K. & Michalczyk, Ł. (2021f) Phenotypically exceptional *Echiniscus* species (Heterotardigrada: Echiniscidae) from Argentina (Neotropics). *Zoologischer Anzeiger*, 294 (2021) 210e228, 210–228.
- Gąsiorek, P., Wilamowski, A., Vončina, K. & Michalczyk, Ł. (2022a) Neotropical jewels in the moss: biodiversity, distribution and evolution of the genus *Barbaria* (Heterotardigrada: Echiniscidae). *Zoological Journal of the Linnean Society*, XX, 1–30195(4), 1037–1066.
- Gąsiorek, P., Vončina, K., Bochnak, M., Surmacz, B., Morek, W. & Michalczyk, Ł. (2022b) Echiniscidae (Heterotardigrada) of South Africa. *Zootaxa*, 5156 (1), 001–238.
- Gąsiorek, P., Blagden, B., Morek, W. & Michalczyk, Ł. (2023a) What is a ‘strong’ synapomorphy? Redescriptions of Murray’s type species and descriptions of new taxa challenge the systematics of Hypsibiidae (Eutardigrada: Parachela). *Zoological Journal of the Linnean Society*, zlad151, <https://doi.org/10.1093/zoolinnean/zlad151>
- Gąsiorek, P., Vončina, K. & Michalczyk, Ł. (2023b) *Meridioniscus* Gąsiorek, Vončina & Michalczyk, subgen. nov. (Heterotardigrada: Echiniscidae). *Zootaxa*, 5361 (3), 449–450.
- Gąsiorek, P., Degma, P. & Michalczyk, Ł. (2024) Hiding in the Arctic and in mountains: a (dis)entangled classification of *Claxtonia* (Heterotardigrada: Echiniscidae). *Zoological Journal of the Linnean Society*, 200, 60–86. <https://doi.org/10.1093/zoolinnean/zlad029>
- Gomes-Júnior, E., Santos, É., da Rocha, C.M.C., Santos, P.J.P. & Fontoura, P. (2018) A new species of *Ligiarctus* (Tardigrada, Arthrotardigrada) from the Brazilian continental shelf, Southwestern Atlantic Ocean. *Marine Biodiversity*, 48, 5–12.
- Grimaldi de Zio, S., D'Addabbo Gallo, M. & Morone De Lucia, M.R. (1990) Revision of the genus *Halechiniscus* (Halechiniscidae, Arthrotardigrada). *Cahiers de Biologie Marine*, 31, 271–279.
- Grimaldi de Zio, S., D'Addabbo Gallo, M. & Morone De Lucia, M. R. (1987) Adaptive radiation and phylogenesis in marine Tardigrada and the establishment of Neostygarctidae, a new family of Heterotardigrada. *Bulletino di Zoologia*, 54, 27–33.
- Grollmann, M.M., Jørgensen, A. & Møbjerg, N. (2023) *Actinarctus doryphorus* (Tanarctidae) DNA barcodes and phylogenetic reinvestigation of Arthrotardigrada with new *A. doryphorus* and Echiniscoididae sequences. *Zootaxa*, 5284 (2), 351–363.
- Grobys, D., Roszkowska, M., Gawlak, M., Kmita, H., Kepel, A., Kepel, M., Parnikoza, I., Bartylak, T. & Kaczmarek, Ł. (2020) High diversity in the *Pseudechiniscus suillus-facettalis* complex (Heterotardigrada: Echiniscidae) with remarks on the morphology of the genus *Pseudechiniscus*. *Zoological Journal of the Linnean Society*, 188, 733–752.
- Gross, V., Miller, W.R. & Hochberg, R. (2014) A new tardigrade, *Mutaparadoxipus duodigitinus* gen. nov., sp. nov. (Heterotardigrada: Arthrotardigrada), from the Southeastern United States. *Zootaxa*, 3835(2), 263–272.
- Grothman, G.T., Johansson, C., Chilton, G., Kagoshima, H., Tsujimoto, M. & Suzuki, A.C.

- (2017) Gilbert Rahm and the status of Mesotardigrada Rahm, 1937. *Zoological Science*, 34, 5–10.
- Guidetti, R., Schill, R.O., Bertolani, R., Dandekar, T. & Wolf, M. (2009) New molecular data for tardigrade phylogeny, with the erection of *Paramacrobiotus* gen. n. *Journal of Zoological Systematics and Evolutionary Research* ([doi: 10.1111/j.1439-0469.2009.00526.x](https://doi.org/10.1111/j.1439-0469.2009.00526.x)), 47 (4), 315–321.
- Guidetti, R., Rebecchi, L., Bertolani, R., Jönsson, K.I., Kristensen, R.M. & Cesari, M. (2016) Morphological and molecular analyses on *Richtersius* (Eutardigrada) diversity reveal its new systematic position and lead to the establishment of a new genus and a new family within Macrobiotoidea. *Zoological Journal of the Linnean Society*, 178, 834–845.
- Guidetti, R., Cesari, M., Bertolani, R., Altiero, T. & Rebecchi, L. (2019a) High diversity in species, reproductive modes and distribution within the *Paramacrobiotus richtersi* complex (Eutardigrada, Macrobiotidae). *Zoological Letters*, 5:1.  
<https://doi.org/10.1186/s40851-018-0113-z>
- Guidetti, R., Massa, E., Bertolani, R., Rebecchi, L. & Cesari, M. (2019b) Increasing knowledge of Antarctic biodiversity: new endemic taxa of tardigrades (Eutardigrada; Ramazzottiidae) and their evolutionary relationships. *Systematics and Biodiversity* 17 (6): 573–593.  
<https://dx.doi.org/10.1080/14772000.2019.1649737>
- Guidetti, R., Schill, R.O., Giovannini, I., Massa, E., Goldoni, S.E., Ebel, Ch., Förschler, M.I., Rebecchi, L. & Cesari, M. (2021) When DNA sequence data and morphological results fit together: Phylogenetic position of *Crenubiotus* within Macrobiotoidea (Eutardigrada) with description of *Crenubiotus ruhesteini* sp. nov. *Journal of Zoological Systematics and Evolutionary Research* (<https://doi.org/10.1111/jzs.12449>), 59 (3), 576–587.
- Guidetti, R., Cesari, M., Giovannini, I., Ebel, C., Förschler, M.I., Rebecchi, L. & Schill, R.O. (2022a) Morphology and taxonomy of the genus *Ramazzottius* (Eutardigrada; Ramazzottiidae) with the integrative description of *Ramazzottius kretschmanni* sp. nov. *The European Zoological Journal*, 89, 339–363.
- Guidetti, R., Giovannini, I., Del Papa, V., Ekrem, T., Nelson, D.R., Rebecchi, L. & Cesari, M. (2022b) Phylogeny of the asexual lineage Murrayidae (Macrobiotoidea, Eutardigrada) with the description of *Paramurrayon* gen. nov. and *Paramurrayon meieri* sp. nov. *Invertebrate Systematics*, 36(12), 1099–1117.
- Guil, N., Jørgensen, A. & Kristensen, R. (2019) An upgraded comprehensive multilocus phylogeny of the Tardigrada tree of life. *Zoologica Scripta*, 48 (1), 120–137.
- Hansen, J.G. (2007) The deep sea elements of the Faroe Bank tardigrade fauna with a description of two new species. Proceedings of the Tenth International Symposium on Tardigrada. *Journal of Limnology*, 66 (Suppl. 1), 12–20.
- Hansen, J.G. & Kristensen, R.M. (2006) The ‘hyena female’ of tardigrades and description of two new species of *Megastygarctides* (Arthrotardigrada: Stygarctidae) from Saudi Arabia. *Hydrobiologia*, 558, 81–101.
- Hansen, J.G. & Kristensen, R.M. (2021) A new genus and five new species of the subfamily Florarctinae (Tardigrada, Arthrotardigrada). *European Journal of Taxonomy*, 762, 149–184.
- Hansen, J.G., Kristensen, R.M. & Jørgensen, A. (2012) The armoured marine tardigrades (Arthrotardigrada, Tardigrada). *Scientia Danica*, series B Biologica 2, The Royal Danish Academy of Sciences and Letters, pp. 91.
- Iharos G. (1973) Angaben zur geographischen Verbreitung der Tardigraden. *Opuscula Zoologica, Budapest*, 12, 73–86.
- Jørgensen A., Faurby, S., Hansen, J.G., Møbjerg, N. & Kristensen R.M. (2010) Molecular

- phylogeny of Arthrotardigrada (Tardigrada). *Molecular Phylogenetics and Evolution*, 54, 1006–1015.
- Jørgensen, A., Boesgaard, T.M., Møbjerg, N. & Kristensen, R.M. (2014) The tardigrade fauna of Australian marine caves: With descriptions of nine new species of Arthrotardigrada. *Zootaxa*, 3802(4), 401–443.
- Kaczmarek, Ł. & Michalczyk, Ł. (2009) Redescription of *Hypsibius microps* Thulin, 1928 and *H. pallidus* Thulin, 1911 (Eutardigrada: Hypsibiidae) based on the type material from the Thulin collection. *Zootaxa*, 2275, 60–68.
- Kaczmarek, Ł. & Michalczyk, Ł. (2010) Redescription of *Dactylobiotus grandipes* (Schuster, Toftner & Grigarick, 1978), the type species for the genus *Dactylobiotus* (Tardigrada: Macrobiotidae). *Genus*, 21, 155–162.
- Kaczmarek, Ł. & Michalczyk, Ł. (2017) A description of *Macrobiotus horningi* sp. nov. and redescriptions of *M. maculatus* comb. nov. Iharos, 1973 and *M. rawsoni* Horning *et al.*, 1978 (Tardigrada: Eutardigrada: Macrobiotidae: *hufelandi* group). *Zootaxa*, 4363 (1), 79–100.
- Kaczmarek, Ł. & Roszkowska, M. (2021) *Zealandiscus* gen. nov., a new genus erected in the family Echiniscidae Thulin, 1928 (Heterotardigrada). *Annales Zoologici (Warszawa)*, 71(3), 651–659.
- Kaczmarek, Ł., Michalczyk, Ł. & Guidetti, R. (2006) Description of the new species *Calcarobiotus (C.) longinoi* sp. nov. (Eutardigrada, Macrobiotidae) from Costa Rica with the diagnostic key to the genus *Calcarobiotus*. *Italian Journal of Zoology* 73 (3), 247–253.
- Kaczmarek, Ł., Bertolani, R. & Nędzyńska-Stygarc, M. (2010) *Thulinius salturus* comb. nov.: a new systematic position for *Isohypsibius salturus* Schuster, Toftner & Grigarick, 1978 (Eutardigrada: Hypsibiidae) and a key for the genus *Thulinius*. *Zootaxa*, 2483, 58–64.
- Kaczmarek, Ł., Bartels, P.J., Roszkowska, M. & Nelson, D.R. (2015) The zoogeography of marine Tardigrada. *Zootaxa*, 4037, 1–189.
- Kaczmarek, Ł., Gawlak, M., Bartels, P.J., Nelson, D.R. & Roszkowska, M. (2017) Revision of the genus *Paramacrobiotus* Guidetti *et al.*, 2009 with the decription of a new species, re-descriptions and a key. *Annales Zoologici (Warszawa)*, 67(4), 627–656.
- Kaczmarek, Ł., Zawierucha, K., Buda, J., Stec, D., Gawlak, M., Michalczyk, Ł. & Roszkowska, M. (2018) An integrative redescription of the nominal taxon for the *Mesobiotus harmsworthi* group (Tardigrada: Macrobiotidae) leads to descriptions of two new *Mesobiotus* species from Arctic. *PLoS ONE* 13(10): e0204756. <https://doi.org/10.1371/journal.pone.0204756>
- Kaczmarek, Ł., Bartylak, T. & Roszkowska, M. (2020a) Two new genera of long clawed Isohypsibioidea Guil, Jørgensen & Kristensen, 2019. *Zootaxa* 4729, 293–299.
- Kaczmarek, Ł., Roszkowska, M., Poprawa, I., Janelt, K., Kmita, H., Gawlak, M., Fiałkowska, E. & Mioduchowska, M. (2020b) Integrative description of bisexual *Paramacrobiotus experimentalis* sp. nov. (Macrobiotidae) from republic of Madagascar (Africa) with microbiome analysis. *Molecular Phylogenetics and Evolution* 145, 106730; <https://doi.org/10.1016/j.ympev.2019.106730>
- Kaczmarek, Ł., Kayastha, P., Gawlak, M., Mioduchowska, M. & Roszkowska, M. (2021) An integrative description of *Diploechiniscus oihonnae* (Richters, 1903) population from near the original type locality in Merok (Norway). *Zootaxa*, 4964 (1), 83–102.
- Kaczmarek, Ł., Kayastha, P., Gawlak, M., Mioduchowska, M. & Roszkowska, M. (2022a) An integrative redescription of *Echiniscus quadrispinosus quadrispinosus* Richters, 1902 (Heterotardigrada, Echiniscidae) from the terra typica in Taunus Mountain Range (Europe;

- Germany). *European Journal of Taxonomy*, 823, 102–124.
- Kaczmarek, Ł., Kayastha, P., Roszkowska, M., Gawlak, M. & Mioduchowska, M. (2022b) Integrative Redescription of the *Minibiotus intermedius* (Plate, 1888)—The Type Species of the Genus *Minibiotus* R.O. Schuster, 1980. *Diversity*, 14 (5), 356. <https://doi.org/10.3390/d14050356>
- Kayastha, P., Stec, D., Slugocki, Ł., Gawlak, M., Mioduchowska, M. & Kaczmarek, Ł. (2023) Integrative taxonomy reveals new, widely distributed tardigrade species of the genus *Paramacrobiotus* (Eutardigrada: Macrobiotidae). *Scientific Reports*, 13:2196. <https://doi.org/10.1038/s41598-023-28714-w>
- Kristensen, R.M. (1984) On the biology of *Wingstrandarctus corallinus* nov. gen. et spec., with notes on the symbiotic bacteria in the subfamily Florarctinae (Arthrotardigrada). *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening*, 145, 201–218.
- Kristensen, R.M. (1987) Generic revision of the Echiniscidae (Heterotardigrada), with a discussion of the origin of the family. *Biology of Tardigrades*, R. Bertolani (ed.). *Selected Symposia and Monographs U.Z.I.*, 1, Mucchi, Modena: 261–335.
- Kristensen, R.M. & Higgins, R.P. (1984b) A new family of Arthrotardigrada (Tardigrada: Heterotardigrada) from the Atlantic coast of Florida, U. S. A. *Transactions of the American Microscopical Society*, 103 (3), 295–311.
- Kristensen, R.M., Sørensen, M.V., Hansen, J.G. & Zeppilli, D. (2015) A new species of *Neostygarctus* (Arthrotardigrada) from the Condor Seamount in the Azores, Northeast Atlantic. *Marine Biodiversity*, 45, 453–467.
- Kiosya, Y., Vončina, K. & Gąsiorek, P. (2021) Echiniscidae in the Mascarenes: the wonders of Mauritius. *Evolutionary Systematics*, 5, 93–120.
- Li, X. (2009) Revision of *Biserovus xiae* Li, Su and Yu, 2004 (Tardigrada: Macrobiotidae). *Zootaxa*, 2076, 63–68.
- Lisi, O. (2011) Remarks on *Doryphoribus flatus* (Iharos, 1966), and description of three new species (Tardigrada, Hypsibiidae). *Zootaxa*, 2834, 17–32.
- Lisi, O., Londoño, R. & Quiroga, S. (2020) Description of a new genus and species (Eutardigrada: Richtersiidae) from Colombia, with comments on the family Richtersiidae. *Zootaxa*, 4822 (4): 531–550.
- Marcus, E. (1936) Tardigrada. *Das Tierreich*, Berlin & Leipzig, 66, 1–341.
- Marley, N.J., McInnes, S.J. & Sands, C.J. (2011) Phylum Tardigrada: A re-evaluation of the Parachela. *Zootaxa*, 2819, 51–64.
- Marley, N.J., Kaczmarek, Ł., Gawlak, M., Bartels, P.J., Nelson, D.R., Roszkowska, M., Stec, D. & Degma, P. (2018) A clarification for the subgenera of *Paramacrobiotus* Guidetti, Schill, Bertolani, Dandekar and Wolf, 2009, with respect to the International Code of Zoological Nomenclature. *Zootaxa*, 4407(1), 130–134.
- Maucci, W. (1996) Tardigrada of the Arctic tundra with descriptions of two new species. *Zoological Journal of the Linnean Society*, 116, 185–204.
- Massa, E., Guidetti, R., Cesari, M., Rebecchi, L. & Jönsson, K.I. (2021) Tardigrades of Kristianstads Vattenrike Biosphere Reserve with description of four new species from Sweden. *Scientific Reports*, 11:4861. <https://doi.org/10.1038/s41598-021-83627-w>
- Massa, E., Vecchi, M., Calhim, S. & Choong, H. (2024) First records of limnoterrestrial tardigrades (Tardigrada) from Haida Gwaii, British Columbia, Canada. *The European Zoological Journal*, 91, 1–20. <https://doi.org/10.1080/24750263.2023.2288824>
- McInnes, S.J. (1994) Rediscovery of the species *Echiniscus macronyx* Richters, 1907 on South Georgia, South Atlantic, its new systematic position and redescription within the genus

*Testechiniscus*. *Bollettino di Zoologia*, 61, 83–87.

- Meyer, H.A. (2016) Re-description of *Echiniscus cavagnaroi* Schuster & Grigarick, 1966 (Tardigrada: Heterotardigrada: Echiniscoidea: Echiniscidae) from type material, with new records from Hawaii and Bermuda. *Zootaxa*, 4121(5), 575–582.
- Michalczyk, Ł., Wełnicz, W., Frohme M. & Kaczmarek, Ł. (2012) Redescriptions of three *Milnesium* Doyère, 1840 taxa (Tardigrada: Eutardigrada: Milnesiidae), including the nominal species for the genus. *Zootaxa* 3154, 1–20.
- Miller, W.R. & Mehlen, R.H. (2007) Tardigrades of North America: re-description of *Echiniscus tamus* Mehlen, 1969 (Tardigrada: Heterotardigrada: Echiniscoidae: Echiniscidae). *Proceedings of the Biological Society of Washington*, 120(2), 184–188.
- Miller, W.R., Heatwole, H., Pidgeon, R.W.J. & Gardiner, G.R. (1994) Tardigrades of the Australian Antarctic Territories: the Larsemann Hills, East Antarctica. *Transactions of the American Microscopical Society*, 113(2), 142–160.
- Miller, W.R., Schulte, R. & Johansson, C. (2012) Tardigrades of North America: further description of the genus *Multipseudechiniscus* Schulte and Miller, 2011 (Heterotardigrada: Echiniscoidea: Echiniscidae) from California. *Proceedings of the Biological Society of Washington*, 125(2), 153–164.
- Mioduchowska, M., Kačarević, U., Miamin, V., Giginiak, Y., Parnikoza, I., Roszkowska, M. & Kaczmarek, Ł. (2021) Redescription of Antarctic eutardigrade *Dastychius improvisus* (Dastych, 1984) and some remarks on phylogenetic relationships within Isohypsibioidea. *The European Zoological Journal*, 88, 117–131. <https://doi.org/10.1080/24750263.2020.1854877>
- Møbjerg, N., Kristensen, R.M. & Jørgensen, A. (2016) Data from new taxa infer *Isoechiniscoides* gen. nov. and increase the phylogenetic and evolutionary understanding of echiniscoidid tardigrades (Echiniscoidea: Tardigrada). *Zoological Journal of the Linnean Society*, 178, 804–818.
- Møbjerg, N., Jørgensen, A. & Kristensen, R.M. (2020) Ongoing revision of Echiniscoididae (Heterotardigrada: Echiniscoidea), with the description of a new interstitial species and genus with unique anal structures. *Zoological Journal of the Linnean Society*, 188 (3), 663–680.
- Momeni, S., Gąsiorek, P., Loeffelholz, J., Chtarbanova, S., Nelson, D.R., Fletcher, R.A., Michalczyk, Ł. & Pienaar, J. (2023) Green armoured tardigrades (Echiniscidae: *Viridiscus*), including a new species from the Southern Nearctic, exemplify problems with tardigrade variability research. *Scientific Reports*, 13:16329. <https://doi.org/10.1038/s41598-023-40609-4>
- Morek, W., Gąsiorek, P., Stec, D., Blagden, B. & Michalczyk, Ł. (2016) Experimental taxonomy exposes ontogenetic variability and elucidates the taxonomic value of claw configuration in *Milnesium* Doyère, 1840 (Tardigrada: Eutardigrada: Apochela). *Contributions to Zoology*, 85, 173–200.
- Morek, W., Stec, D., Gąsiorek, P., Surmacz, B. & Michalczyk, Ł. (20182019a) *Milnesium tardigradum* Doyère, 1840: The first integrative study of interpopulation variability in a tardigrade species. *Journal of Zoological Systematics and Evolutionary Research*. DOI: [10.1111/jzs.12233](https://doi.org/10.1111/jzs.12233), 57 (1), 1–23.
- Morek, W., Suzuki, A.C., Schill, R.O., Georgiev, D., Yankova, M., Marley, N.J. & Michalczyk, Ł. (2019b) Redescription of *Milnesium alpigenum* Ehrenberg, 1853 (Tardigrada: Apochela) and a description of *Milnesium inceptum* sp. nov., a tardigrade laboratory model. *Zootaxa*, 4586(1), 35–64.

- Morek, W., Surmacz, B. & Michalczyk, Ł. (2020a) Novel integrative data for two *Milnesium* Doyère, 1840 (Tardigrada: Apochela) species from Central Asia. *Zoosystematics and Evolution*, 96, 499–514.
- Morek, W., Ciosek, J.A. & Michalczyk, Ł. (2020b) Description of *Milnesium pentapapillatum* sp. nov., with an amendment of the diagnosis of the order Apochela and abolition of the class Apotardigrada (Tardigrada). *Zoologischer Anzeiger*, 288, 107–117.
- Morek, W., Wałach, K. & Michalczyk, Ł. (2022) Rough backs: taxonomic value of epicuticular sculpturing in the genus *Milnesium* Doyère, 1840 (Tardigrada: Apochela). *Scientific Reports* 12:9857. <https://doi.org/10.1038/s41598-022-10758-z>
- Özdikmen, H. (2008) *Bertolanius* nom. nov., a replacement name for the genus *Amphibolus* Bertolani, 1981 (Tardigrada: Parachela) with type species designation. *Munis Entomology & Zoology*, 3(1), 330–332.
- Pilato, G. (1973) Precisazioni e rettifiche alla descrizione di alcune specie di Tardigradi e considerazioni su alcuni problemi inerenti al loro studio. *Bulletino delle sedute dell'Accademia gioenia di scienze naturali in Catania*, serie 4, 12 (1-2), 157–175.
- Pilato, G. (2013) The taxonomic value of the structures for the insertion of the stylet muscles in the Eutardigrada, and description of a new genus. *Zootaxa*, 3721(4), 365–378.
- Pilato, G. & Lisi, O. (2006) Notes on some tardigrades from southern Mexico with description of three new species. *Zootaxa*, 1236, 53–68.
- Pilato, G. & Lisi, O. (2011) *Tenuibiotus*, a new genus of Macrobiotidae (Tardigrada). *Zootaxa*, 2761, 34–40.
- Pilato, G., Binda, M.G., Napolitano, A. & Moncada, E. (2001) Notes on South American tardigrades with the description of two new species: *Pseudechiniscus spinerectus* and *Macrobiotus danielae*. *Tropical Zoology*, 14, 223–231.
- Pilato, G., Fontoura, P. & Lisi, O. (2008a) New description of *Echiniscus viridis* Murray, 1910 and remarks on the *viridis* group. *New Zealand Journal of Zoology*, 35, 85–92.
- Pilato, G., Fontoura, P., Lisi, O. & Beasley, C. (2008b) New description of *Echiniscus scabrospinosis* Fontoura, 1982, and description of a new species of *Echiniscus* (Heterotardigrada) from China. *Zootaxa*, 1856, 41–54 and *Zootaxa*, 1931, 68.
- Pogwizd J. & Stec D. (2020) New records of *Dactylobiotus parthenogeneticus* Bertolani, 1982 provide insight into its genetic variability and geographic distribution. *Folia Biologica (Kraków)*, 68(2), 57–72.
- Pollock, L.W. (1982) A closer look at some marine Heterotardigrada. I. The morphology and taxonomy of *Orzeliscus*. Proceedings of the Third International Symposium on the Tardigrada, Johnson City, Tennessee, USA: 193–201.
- Pollock, L.W. (1983) A closer look at some marine Heterotardigrada, II: The morphology and taxonomy of *Bathyechiniscus*, with a description of *B. craticulus* n. sp. from the Caribbean. *Bulletin of Marine Science*, 33 (1), 109–117.
- Renaud-Mornant, J. (1983) Tardigrades abyssaux nouveaux de la sous-famille des Euclavarctinae n. subfam. (Arthrotardigrada, Halechiniscidae). *Bulletin du Muséum national d'histoire naturelle, Paris*, 5, 201–219.
- Renaud-Mornant, J. (1989) Espèces nouvelles de Florarctinae de l'Atlantique Nord-Est et du Pacifique Sud (Tardigrada, Arthrotardigrada). *Bulletin du Musée d'Histoire Naturelle de Paris*, 11, 571–592.
- Rho, H.S., Moon, S.Y., Chang, C.Y. & Kim, W. (1997) Four freshwater eutardigrades from Korea with description of *Isohypsibus brevitubulatus* n. sp. *Korean Journal of Biological Science*, 1, 271–279.

- Rho, H.S., Min, B.H. & Chang, C.Y. (1999) Taxonomic study of marine tardigrades from Korea I. Genus *Batillipes* (Heterotardigrada: Batillipedidae). *Korean Journal of Systematic Zoology*, 15, 107–118.
- Rocha, A., Camarda, D., Ostertag, B., Doma, I., Meier, F. & Lisi, O. (2023) Actual state of knowledge of the limno-terrestrial tardigrade fauna of the Republic of Argentina and new genus assignment for *Viridiscus rufoviridis* (du Bois-Reymond Marcus, 1944). *Diversity*, 15, 222. <https://doi.org/10.3390/d1502022>
- Roszkowska, M., Ostrowska, M., Stec, D., Janko, K. & Kaczmarek, Ł. (2017) *Macrobiotus polypiformis* sp. nov., a new tardigrade (Macrobiotidae; *hufelandi* group) from the Ecuadorian Pacific coast, with remarks on the claw abnormalities in eutardigrades. *European Journal of Taxonomy*, 327, <https://doi.org/10.5852/ejt.2017.327>
- Roszkowska, M., Grobys, D., Bartylak, T., Gawlak, M., Kmita, H., Kepel, A., Kepel, M., Parnikoza, I. & Kaczmarek, Ł. (2020) Integrative description of five *Pseudechiniscus* species (Heterotardigrada: Echiniscidae: the *suillus-facettalis* complex). *Zootaxa*, 4763 (4): 451–484.
- Rudescu, L. (1964) Tardigrada. *Fauna Republicii Populare Romîne*, 4, 1–308.
- Scheirer, C.N., Miller, W.R. & Miller, J.D. (2024) Tardigrades of North America: Additions to Montana's Biodiversity Including a New Species, *Platycrista loloensis* nov. sp. (Parachela, Hypsibioidea, Itaquasconinae). *Diversity*, 16, 334. <https://doi.org/10.3390/d16060334>
- Stec, D. (2022) Integrative taxonomy helps to revise systematics and questions the purported cosmopolitan nature of the type species within the genus *Diaforobiotus* (Eutardigrada: Richtersiusidae). *Organisms Diversity & Evolution*, 23 (2), 309–328. <https://doi.org/10.1007/s13127-022-00592-6>
- Stec, D. & Michalczyk, Ł. (2020) *Macrobiotus coronifer* Richters, 1903 (type species for *Richtersius* Pilato & Binda, 1989): designating a new neotype from the original type locality described within the integrative taxonomy framework. *Zootaxa*, 4858 (2), 292–294.
- Stec, D. & Morek, W. (2022) Reaching the monophyly: Re-evaluation of the enigmatic species *Tenuibiotus hyperonyx* (Maucci, 1983) and the genus *Tenuibiotus* (Eutardigrada). *Animals*, 12 (3), 404. <https://doi.org/10.3390/ani12030404>
- Stec, D., Smolak, R., Kaczmarek, Ł. & Michalczyk, Ł. (2015) An integrative description of *Macrobiotus paulinae* sp. nov. (Tardigrada: Eutardigrada: Macrobiotidae: *hufelandi* group) from Kenya. *Zootaxa*, 4052, 501–526.
- Stec, D., Morek, W., Gąsiorek, P. & Michalczyk, Ł. (2018) Unmasking hidden species diversity within the *Ramazzottius oberhaeuseri* complex, with an integrative redescription of the nominal species for the family Ramazzottiidae (Tardigrada: Eutardigrada: Parachela) *Systematics and Biodiversity*, 16(4), 357–376.
- Stec, D., Krzywański, Ł., Arakawa, K. & Michalczyk, Ł. (2020a) A new redescription of *Richtersius coronifer*, supported by transcriptome, provides resources for describing concealed species diversity within the monotypic genus *Richtersius* (Eutardigrada). *Zoological Letters* 6:2 <https://doi.org/10.1186/s40851-020-0154-y>
- Stec, D., Kristensen, R.M. & Michalczyk, Ł. (2020b) An integrative description of *Minibiotus ioculator* sp. nov. from the Republic of South Africa with notes on *Minibiotus pentannulatus* Londoño et al., 2017 (Tardigrada: Macrobiotidae). *Zoologischer Anzeiger*, 286, 117–134.
- Stec, D., Krzywański, Ł., Zawierucha, K. & Michalczyk, Ł. (2020c) Untangling systematics of the *Paramacrobiotus areolatus* species complex by an integrative redescription of the nominal species for the group, with multilocus phylogeny and species delineation in the

- genus *Paramacrobiotus*. *Zoological Journal of the Linnean Society*, 2019, XX188 (3), 694–716.
- Stec, D., Tumanov, D.V. & Kristensen, R.M. (2020d) Integrative taxonomy identifies two new tardigrade species (Eutardigrada: Macrobiotidae) from Greenland. *European Journal of Taxonomy*, 614, 1–40.
- Stec, D., Dudziak, M., & Michalczyk, Ł. (2020e) Integrative descriptions of two new Macrobiotidae species (Tardigrada: Eutardigrada: Macrobiotoidea) from French Guiana and Malaysian Borneo. *Zoological Studies*, 59:23. doi:10.6620/ZS.2020.59-23.
- Stec, D., Vecchi, M., Maciejowski, W. & Michalczyk, Ł. (2020f) Resolving the systematics of Richtersiidae by multilocus phylogeny and an integrative redescription of the nominal species for the genus *Crenubiotus* (Tardigrada). *Scientific Reports*, 10:19418; <https://doi.org/10.1038/s41598-020-75962-1>
- Stec, D., Vecchi, M., Calhim, S. & Michalczyk, Ł. (2021a) New multilocus phylogeny reorganises the family Macrobiotidae (Eutardigrada) and unveils complex morphological evolution of the *Macrobiotus hufelandi* group. *Molecular Phylogenetics and Evolution*, 160: 106987
- Stec, D., Vecchi, M., Dudziak, M., Bartels, P.J., Calhim, S. & Michalczyk, Ł. (2021b) Integrative taxonomy resolves species identities within the *Macrobiotus pallarii* complex (Eutardigrada: Macrobiotidae). *Zoological Letters*, 7: 9; <https://doi.org/10.1186/s40851-021-00176-w>
- Stec, D., Vončina, K., Kristensen, R.M. & Michalczyk, Ł. (2022) The *Macrobiotus ariekammensis* species complex provides evidence for parallel evolution of claw elongation in macrobiotid tardigrades. *Zoological Journal of the Linnean Society*, XX195 (4), 1–331067–1099.
- Suzuki, A.C. (2016) Specimens with an artifact appearing as ‘three spines’ in *Milnesium tardigradum* var. *trispinosa* Rahm, 1931 (Tardigrada). *Zoological Science*, 33, 431–433.
- Suzuki, A.C., Sugiura, K., Tsujimoto, M., Nakai, R., McInnes, S.J., Kagoshima, H. & Imura, S. (2023) A new species of bisexual *Milnesium* (Eutardigrada: Apochela) having aberrant claws from Innihovde, Dronning Maud Land, East Antarctica. *Zoological Science*, 40(3). <https://doi.org/10.2108/zs220085>
- Tchesunov, A.V. (2018) A new tardigrade species of the genus *Neostygarcus* Grimaldi de Zio *et al.*, 1982 (Tardigrada, Arthrotardigrada) from the Great Meteor Seamount, Northeast Atlantic. *European Journal of Taxonomy*, 479, 1–17.
- Trygvadóttir, B.V. & Kristensen, R.M. (2011) Eohypsibiidae (Eutardigrada, Tardigrada) from the Faroe Islands with the description of a new genus containing three new species. *Zootaxa*, 2886, 39–62.
- Tumanov, D.V. (2018) Notes on the taxonomic position of several species of the genus *Diphascon* (Tardigrada, Hypsibiidae). *Zootaxa*, 4399(1), 127–130.
- Tumanov, D.V. (2020a) Analysis of non-morphometric morphological characters used in the taxonomy of the genus *Pseudechiniscus* (Tardigrada: Echiniscidae). *Zoological Journal of the Linnean Society*, 188, 753–775.
- Tumanov, D.V. (2020b) Integrative redescription of *Hypsibius pallidoides* Pilato *et al.*, 2011 (Eutardigrada: Hypsibioidea) with the erection of a new genus and discussion on the phylogeny of Hypsibiidae. *European Journal of Taxonomy*, 681, 1–37. <https://doi.org/10.5852/ejt.2020.681>

Tumanov, D.V. (2022) End of a mystery: Integrative approach reveals the phylogenetic position of an enigmatic Antarctic tardigrade genus *Ramajendas* (Tardigrada, Eutardigrada). *Zoologica Scripta*, 51(2), 217–231.

Tumanov, D.V. & Tsvetkova, A.Yu. (2023) Some have drops and some do not, but can we rely on that? Re-investigation of *Diphascon tenue* (Tardigrada: Eutardigrada) with discussion of the phylogeny and taxonomy of the superfamily Hypsibioidea. *Zoosystematica Rossica*, 32, 50–74.

Vecchi, M. & Stec, D. (2021) Integrative descriptions of two new *Macrobiotus* species (Tardigrada, Eutardigrada, Macrobiotidae) from Mississippi (USA) and Crete (Greece). *Zoosystematics and Evolution*, 97, 281–306.

Vecchi, M., Cesari, M., Bertolani, R., Jönsson, K.I., Rebecchi, L. & Guidetti, R. (2016a) Integrative systematic studies on tardigrades from Antarctica identify new genera and new species within Macrobiotoidea and Echiniscoidea. *Invertebrate Systematics*, 30, 303–322.

Vecchi, M., Cesari, M., Bertolani, R., Jönsson, K.I., Rebecchi, L. & Guidetti, R. (2016b) Corrigendum to: Integrative systematic studies on tardigrades from Antarctica identify new genera and new species within Macrobiotoidea and Echiniscoidea. *Invertebrate Systematics*, 30, 521–521.

Vecchi, M., Choong, H. & Calhim, S. (2022) *Sisubiotus hakaiensis* sp. nov. (Tardigrada, Macrobiotidae), a new tardigrade species from Calvert Island (British Columbia, Canada). *European Journal of Taxonomy*, 823, 64–81.

Vecchi, M., McDaniel, J.L., Chartrain, J., Vuori, T., Walsh, E.J. & Calhim, S. (2023a) Morphology, phylogenetic position, and mating behaviour of a new *Mesobiotus* (Tardigrada) species from a rock pool in the Socorro Box Canyon (New Mexico, USA). *The European Zoological Journal*, 90 (2), 708–725.

Vecchi, M., Tsvetkova, A., Stec, D., Ferrari, C., Calhim, S. & Tumanov, D. (2023b) Expanding *Acutuncus*: Phylogenetics and morphological analyses reveal a considerably wider distribution for this tardigrade genus. *Molecular Phylogenetics and Evolution*, 180, 107707.

Vicente, F., Fontoura, P., Cesari, M., Rebecchi, L., Guidetti, R., Serrano, A. & Bertolani, R. (2013) integrative taxonomy allows the identification of synonymous species and the erection of a new genus of Echiniscidae (Tardigrada, Heterotardigrada). *Zootaxa*, 3613(6), 557–572.

Vincenzi, J., Cesari, M., Kaczmarek, Ł., Roszkowska, M., Mioduchowska, M., Rebecchi, L., Kiosya, Y. & Guidetti, R. (2024) The xerophilic genera *Xerobiotus* and *Pseudohexapodibus* (Macrobiotidae; Tardigrada): biodiversity, biogeography and phylogeny. *Zoological Journal of the Linnean Society*, 200, 111–141. <https://doi.org/10.1093/zoolinnean/zlad129>

Vončina, K., Kristensen, R.M. & Gąsiorek, P. (2020) *Pseudechiniscus* in Japan: re-description of *Pseudechiniscus asper* Abe et al., 1998 and description of *Pseudechiniscus shintai* sp. nov. *Zoosystematics and Evolution*, 96, 527–536.

Zawierucha, K., Kolicka, M. & Kaczmarek, Ł. (2016) Re-description of the Arctic tardigrade *Tenuibiotus voronkovi* (Tumanov, 2007) (Eutardigrada; Macrobiotidae), with the first molecular data for the genus. *Zootaxa*, 4196(4), 498–510.

Zawierucha, K., Gąsiorek, P., Buda, J., Uetake, J., Janko, K. & Fontaneto, D. (2018a) Tardigrada and Rotifera from moss microhabitats on a disappearing Ugandan glacier, with the description of a new species of water bear. *Zootaxa*, 4392(2), 311–328.

Zawierucha, K., Stec, D., Lachowska-Cierlik, D., Takeuchi, N., Li, Z. & Michalczyk, Ł. (2018b) High mitochondrial diversity in a new water bear species (Tardigrada: Eutardigrada) from

- mountain glaciers in central Asia, with the erection of a new genus *Cryoconicus*. *Annales Zoologici (Warszawa)*, 68(1), 179–201.
- Zawierucha, K., Buda, J., Novotna Jaromerska, T., Janko, K. & Gąsiorek, P. (2020) Integrative approach reveals new species of water bears (*Pilatobius*, *Grevenius*, and *Acutuncus*) from Arctic cryoconite holes, with the discovery of hidden lineages of *Hypsibius*. *Zoologischer Anzeiger*, 289, 141–165.
- Zawierucha, K., Stec, D., Dearden, P.K. & Shain, D.H. (2023) Two new tardigrade genera from New Zealand's Southern Alp glaciers display morphological stasis and parallel evolution. *Molecular Phylogenetics and Evolution* 178, 107634. <https://doi.org/10.1016/j.ympev.2022.107634>