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summary

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## Imprint

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## Contents

02	<b>Imprint</b>
02	<b>Acknowledgements</b>
02	<b>Disclaimer</b>
03	<b>Contents</b>
04	<b>Abstract</b>
04	Key words
04	<b>Introduction</b>
04	<b>General Remarks</b>
04	<b>Systematic and Nomenclatural Summary</b>
04	Remarks
04	Variant
05	Subspecies
05	Species
07	Combinations
11	New Status (Changes in Rank)
12	Redescriptions or reviews
37	Replacement Names for Preoccupied Species and Genus Names
37	Subgenera
38	Genera
39	Suprageneric Taxa
40	Corrected Names
40	New Communities
40	Nomina nuda
40	<b>Scientific Projects</b>
46	<b>Publications</b>
52	<b>Abstract</b>

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## Abstract

Berger H. (2018): urn:lsid:zoobank.org:author:DC477A8E-FC41-494C-A4A1-F23091512449: taxonomic and nomenclatural summary. – Ser. Monogr. Cilioph. 4: 1–52.

The present work is a summary of my taxonomic output since 1983 when I published my first scientific work. Since then, my co-authors (mainly W. Foissner) and I have published 126 works which contain: one (unnamed) variant; 19 new subspecies; 185 new species; eight new subgenera; 70 new genera; 12 new suprageneric taxa; nine new communities; and two nomina nuda. In addition, we made 284 combinations, about 1600 redescrptions and/or reviews of 1453 taxa, and 47 changes in rank; 17 names have been corrected. All these taxa and names are listed, including reference and page number so that they can be found easily in my publications. Five scientific projects, approved by the Austrian Science Fund (FWF) and the Austrian Academy of Sciences and made between 2001 and 2017, are briefly presented. In total, 126 works (16 books; 58 papers; 52 abstracts) have been published. All taxonomically relevant works are registered in ZooBank.

**Key words:** Ciliophora; Hypotricha; literature; nomenclature; review; revision; taxonomy

## Introduction

The present work is a summary of my taxonomic output since 1983. It is already “published” on my website (<https://protozoology.com/sci>). However, websites are temporary and thus it seems wise to summarize the main scientific content in a booklet.

From the production of some revisions (e.g., Berger 1999, 2006, 2008, 2011, Foissner et al. 1991, 1992, 1994, 1995, 1999) I know that it is useful to have an overview about the taxonomic and nomenclatural traces a taxonomist left.

## General Remarks

In the chapter Systematic and Nomenclatural Summary only taxonomic and/or nomenclatural publications are considered. Abstracts and ecological papers are not included, except they contain a nomenclatural act. In addition, illustrated guides which do not contain descriptions (Foissner & Berger 1996, Berger & Foissner 2003) are not included.

In the second part, five scientific projects made between 2001 and 2017 are briefly documented.

The last chapter is a complete list of my works published from 1983 until now.

## Systematic and Nomenclatural Summary

### Remarks

Below you find all systematic and nomenclatural acts which I made since 1983. Very many of them have been made in cooperation with W. Foissner, H. Adam, E. Aescht, S. Agatha, S.A. Al-Farraj, K.A.S. Al-Rasheid, D. Barth, T. Berendonk, H. Blatterer, W. Bourland, N. Chae, L. Chen, X. Chen, Z. Chen, X. Fan, J.H.P. Hackstein, W. He, E. Heiss, J. Huang, D. Ji, J.-H. Jung, I.M. Kerzhner, S.N. Khan, S. Kim, F. Kohmann, W.-D. Krautgartner, F. Li, L. Li, Y. Li, X. Lu, X. Luo, Z. Lv, Z.

Lyu, G. Lüftenegger, G.-S. Min, M. Moser, K.-M. Park, W. Petz, J. Schaumburg, U. Scheffel, M. Schlegel, H. Schmidt, C. Shao, X. Shi, M.K. Shin, W. Song, P. Stadler, M. Strüder-Kypke, G.W. van der Staay, K. Tischler, T. Weisse, G. Weithoff, N. Wilbert, K. Xu, S. Yeo Moon-van der Staay, S. Zechmeister-Boltenstern, and Q. Zhang.

All scientific names refer to ciliates (Ciliophora) unless otherwise indicated. Note that Berger (1999, 2006, 2008, 2011) contain many comments on species indeterminata and insufficient redescrptions. The scientific names are usually given as written in the individual works. Note that descriptions/redescrptions/reviews of the same taxon can be mentioned under various names, for example, because the generic assignment has changed (e.g., *Steimia citrina* Berger & Foissner, 1987 and *Cyrtobymena citrina* (Berger & Foissner, 1987) Berger, 1989).

The page number usually indicates the beginning of the “description” or the site where a nomenclatural act is made.

For my own references see Chapter Publications (p. 46). Note that the references where I am not author or co-author are not mentioned in the present paper. However, they are usually listed in the works where we have treated these taxa. For example, “Villeneuve-Brachon, 1940” in the variant listed below is cited in Foissner, Agatha & Berger (2002). An almost complete list of hypotrich literature is available in Berger (2006).

The present paper does not contain a systemic index because the preparation of a register is rather time-consuming. However, within the individual chapters the names of the taxa are arranged alphabetically so that a certain name can be found easily.

### Variant

One un-named variety has been described.

*Blepharisma bimicronucleatum* Villeneuve-Brachon, 1940 in Foissner, Agatha & Berger, 2002; p. 872

**Subspecies**

19 subspecies have been described.

- Amphisiella binucleata multicirrata* Foissner, Agatha & Berger, 2002; p. 663  
*Arcuospathidium cultriforme megastoma* Foissner, Agatha & Berger, 2002; p. 300  
*Arcuospathidium namibiense namibiense* Foissner, Agatha & Berger, 2002; p. 285  
*Arcuospathidium namibiense tristicha* Foissner, Agatha & Berger, 2002; p. 288  
*Bryophyllum lingua multistriatum* Foissner, Agatha & Berger, 2002; p. 345  
*Colpoda caricola amiconucleata* Foissner, Agatha & Berger, 2002; p. 910  
*Frontonia angusta obovata* Foissner, Agatha & Berger, 2002; p. 511  
*Latispathidium truncatum bimicronucleatum* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 645.  
*Maryna namibiensis costaricensis* Foissner, Agatha & Berger, 2002; p. 942  
*Maryna namibiensis namibiensis* Foissner, Agatha & Berger, 2002; p. 935  
*Monodinium balbiani breviprobois* Foissner, Berger & Schaumburg, 1999; p. 190  
*Odontochlamys alpestris biciliata* Foissner, Agatha & Berger, 2002; p. 390  
*Platyophrya spumacola hexasticha* Foissner, Agatha & Berger, 2002; p. 960  
*Pseudocobnilembus persalinus hexakinet* Foissner, Agatha & Berger, 2002; p. 533  
*Pseudouroleptus caudatus namibiensis* Foissner, Agatha & Berger, 2002; p. 652  
*Rostraphrya namibiensis maldivensis* Foissner, Agatha & Berger, 2002; p. 994  
*Rostraphrya namibiensis namibiensis* Foissner, Agatha & Berger, 2002; p. 992  
*Rostraphryides africana etoschensis* Foissner, Agatha & Berger, 2002; p. 1000  
*Spathidium seppelti etoschense* Foissner, Agatha & Berger, 2002; p. 229

**Species**

185 species have been described.

- Actinobolina multinucleata* Foissner, Agatha & Berger, 2002; p. 383  
*Afroamphisiella multinucleata* Foissner, Agatha & Berger, 2002; p. 699  
*Afrothrix multinucleata* Foissner, Agatha & Berger, 2002; p. 588  
*Allotricha antarctica* Berger, 1999; p. 268  
*Amphisiella elegans* Foissner, Agatha & Berger, 2002; p. 674  
*Amphisiella longiseries* Foissner, Agatha & Berger, 2002; p. 680  
*Amphisiella multinucleata* Foissner, Agatha & Berger, 2002; p. 685  
*Amphisiella namibiensis* Foissner, Agatha & Berger, 2002; p. 656  
*Amphisiella polycirrata* Berger & Foissner, 1989; p. 32  
*Amphisiella procera* Foissner, Agatha & Berger, 2002; p. 670  
*Amphisiella quadrinucleata* Berger & Foissner, 1989; p. 32

- Anatolociirrus capari* Özbek & Foissner in Foissner, Agatha & Berger, 2002; p. 617  
*Anteholosticha antecirrata* Berger, 2006; p. 370  
*Apertospathula armata* Foissner, Agatha & Berger, 2002; p. 322  
*Apertospathula dioplites* Foissner, Agatha & Berger, 2002; p. 322  
*Apertospathula inermis* Foissner, Agatha & Berger, 2002; p. 318  
*Apobryophyllum vermiforme* Foissner, Agatha & Berger, 2002; p. 357  
*Apocolpodidium (Apocolpodidium) etoschense* Foissner, Agatha & Berger, 2002; p. 493  
*Apocolpodidium (Phagoon) macrostoma* Foissner, Agatha & Berger, 2002; p. 498  
*Apoenchelys bamforthi* Foissner, Agatha & Berger, 2002; p. 112  
*Apospathidium terricola* Foissner, Agatha & Berger, 2002; p. 334  
*Apourosomoida halophila* Foissner, Agatha & Berger, 2002; p. 761  
*Arcuospathidium etoschense* Foissner, Agatha & Berger, 2002; p. 292  
*Arcuospathidium lorjeae* Foissner, Agatha & Berger, 2002; p. 295  
*Arcuospathidium novaki* Foissner, Agatha & Berger, 2002; p. 303  
*Arcuospathidium namibiense* Foissner, Agatha & Berger, 2002; p. 283  
*Australociirrus zechmeisterae* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 691  
*Bakuella edaphoni* Song, Wilbert & Berger, 1992; p. 134  
*Bakuella granulifera* Foissner, Agatha & Berger, 2002; p. 561  
*Bakuella krenzkaempfi* Song, Wilbert & Berger, 1992; p. 144  
*Bakuella walibonensis* Song, Wilbert & Berger, 1992; p. 143  
*Bilamellophrya australiensis* Foissner, Agatha & Berger, 2002; p. 170  
*Bilamellophrya etoschensis* Foissner, Agatha & Berger, 2002; p. 177  
*Bilamellophrya hawaiiensis* Foissner, Agatha & Berger, 2002; p. 183  
*Birojimia terricola* Berger & Foissner, 1989; p. 25  
*Bryophyllum paucistriatum* Foissner, Agatha & Berger, 2002; p. 340  
*Bursellopsis pelagica* Foissner, Berger & Schaumburg, 1999; p. 375  
*Clavoplates australiensis* Foissner, Agatha & Berger, 2002; p. 217  
*Clavoplates edaphicus* Foissner, Agatha & Berger, 2002; p. 213  
*Colpoda formisanoi* Foissner, Agatha & Berger, 2002; p. 905  
*Colpodidium (Colpodidium) horribile* Foissner, Agatha & Berger, 2002; p. 474  
*Colpodidium (Colpodidium) microstoma* Foissner, Agatha & Berger, 2002; p. 485  
*Colpodidium (Colpodidium) trichocystiferum* Foissner, Agatha & Berger, 2002; p. 480  
*Colpodidium (Pseudocolpodidium) bradburyarum* Foissner, Agatha & Berger, 2002; p. 489  
*Condylotomides etoschensis* Foissner, Agatha & Berger, 2002; p. 893  
*Condylotomides trinucleatus* Foissner, Agatha & Berger, 2002; p. 899  
*Dioplitophrya otti* Foissner, Agatha & Berger, 2002; p. 199  
*Diplites arenicola* Foissner, Agatha & Berger, 2002; p. 193  
*Dragescozoon terricola* Foissner, Agatha & Berger, 2002; p. 912  
*Enchelararia multinucleata* Foissner, Agatha & Berger, 2002; p. 221  
*Enchebidium blattereri* Foissner, Agatha & Berger, 2002; p. 121

- Enchelyodon armatides* Foissner, Agatha & Berger, 2002; p. 130  
*Enchelyodon kenyaensis* Foissner, Agatha & Berger, 2002; p. 128  
*Enchelyodon megastoma* Foissner, Agatha & Berger, 2002; p. 139  
*Enchelyodon minutus* Foissner, Agatha & Berger, 2002; p. 136  
*Enchelyodon nodosa* Berger, Foissner & Adam, 1984; p. 345  
*Enchelyotricha jesnerae* Foissner, Agatha & Berger, 2002; p. 186  
*Enchelys longitricha* Foissner, Agatha & Berger, 2002; p. 101  
*Epispathidium polynucleatum* Foissner, Agatha & Berger, 2002; p. 312  
*Erimophrya arenicola* Foissner, Agatha & Berger, 2002; p. 796  
*Erimophrya glatzeli* Foissner, Agatha & Berger, 2002; p. 791  
*Erimophrya quadrinucleata* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 671  
*Erimophrya sylvatica* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 667  
*Eschaneustyla lugeri* Foissner, Agatha & Berger, 2002; p. 572  
*Etoschophrya oscillatoriophaga* Foissner, Agatha & Berger, 2002; p. 987  
*Etoschothrix terricola* Foissner, Agatha & Berger, 2002; p. 594  
*Euplotes corsica* Berger & Foissner, 1989; p. 42  
*Euplotopsis incisa* Foissner, Agatha & Berger, 2002; p. 868  
*Fuscheria terricola* Berger, Foissner & Adam, 1983; p. 529  
*Gastrostyla (Kleinstyla) bavariensis* Foissner, Agatha & Berger, 2002; p. 743  
*Gonostomum namibiense* Foissner, Agatha & Berger, 2002; p. 810  
*Hemigastrostyla elongata* Shao, Song, Al-Rasheid & Berger, 2011; p. 269 (published in 2012)  
*Hemigastrostyla paraenigmatica* Shao, Song, Al-Rasheid & Berger, 2011; p. 275 (published in 2012)  
*Hemiscirra livida* Berger & Foissner, 1987; p. 211  
*Hemiscirra namibiensis* Foissner, Agatha & Berger, 2002; p. 857  
*Hemiscirra rariseta* Foissner, Agatha & Berger, 2002; p. 865  
*Hemiscirra vetersi* Berger & Foissner, 1989; p. 35  
*Hemiurosoma goertzi* Foissner, Agatha & Berger, 2002; p. 843  
*Hemiurosoma terricola* Foissner, Agatha & Berger, 2002; p. 835  
*Holophrya salinarum* Foissner, Agatha & Berger, 2002; p. 537  
*Holosticha brachysticha* Foissner, Agatha & Berger, 2002; p. 579  
*Holosticha islandica* Berger & Foissner, 1989; p. 19  
*Ilsiella elegans* Foissner, Agatha & Berger, 2002; p. 950  
*Kuebneltiella namibiensis* Foissner, Agatha & Berger, 2002; p. 916  
*Lamtostyla decorata* Foissner, Agatha & Berger, 2002; p. 712  
*Lamtostyla edaphoni* Berger & Foissner, 1987; p. 215  
*Lamtostyla halophila* Foissner, Agatha & Berger, 2002; p. 706  
*Lamtostyla islandica* Berger & Foissner, 1988; p. 122  
*Lamtostyla kirkeniensis* Berger & Foissner, 1988; p. 124  
*Maryna namibiensis* Foissner, Agatha & Berger, 2002; p. 934  
*Membranicola tamari* Foissner, Berger & Schaumburg, 1999; p. 626  
*Metacineteta namibiensis* Foissner, Agatha & Berger, 2002; p. 404  
*Nassula dragescoi* Foissner, Agatha & Berger, 2002; p. 424  
*Nassula etoschensis* Foissner, Agatha & Berger, 2002; p. 438  
*Nassula granata* Foissner, Agatha & Berger, 2002; p. 427  
*Nassula tuberculata* Foissner, Agatha & Berger, 2002; p. 433  
*Neobakuella flava* Li, Khan, Ji, Shin & Berger, 2011; p. 340, 350  
*Nudiampheisiella interrupta* Foissner, Agatha & Berger, 2002; p. 694  
*Obliquostoma enchelyodontides* Foissner, Agatha & Berger, 2002; p. 116  
*Obliquostoma namibiense* Foissner, Agatha & Berger, 2002; p. 119  
*Ortoamphisiella breviseries* Foissner, Agatha & Berger, 2002; p. 703  
*Oxytricha acidotolerans* Weisse, Moser, Scheffel, Stadler, Berendonk, Weithoff & Berger, 2013; p. 259  
*Oxytricha durhamiensis* Berger, 1999; p. 228  
*Oxytricha islandica* Berger & Foissner, 1989; p. 37  
*Oxytricha longigranulosa* Berger & Foissner, 1989; p. 39  
*Oxytricha nauplia* Berger & Foissner, 1987; p. 219  
*Oxytricha pseudofurcata* Berger, 1999; p. 173  
*Oxytricha rubripuncta* Berger & Foissner, 1987; p. 222  
*Parabryophrya etoschensis* Foissner, Agatha & Berger, 2002; p. 957  
*Paracladotricha salina* Shao, Li, Zhang, Song & Berger, 2014; p. 373, 379 (invalid; see Shao, Li, Zhang, Song & Berger 2017)  
*Paracladotricha salina* Shao, Li, Zhang, Song & Berger, 2017; p. 902  
*Paraenchebys brachyarmata* Foissner, Agatha & Berger, 2002; p. 106  
*Paraenchebys brachyoplites* Foissner, Agatha & Berger, 2002; p. 109  
*Paraenchebys pulchra* Foissner, Agatha & Berger, 2002; p. 104  
*Paragonostomum binucleatum* Foissner, Agatha & Berger, 2002; p. 826  
*Paragonostomum caudatum* Foissner, Agatha & Berger, 2002; p. 820  
*Paragonostomum multinucleatum* Foissner, Agatha & Berger, 2002; p. 828  
*Paragonostomum rarisetum* Foissner, Agatha & Berger, 2002; p. 831  
*Paragonostomum simplex* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 674  
*Parakabliella binucleata* Foissner, Agatha & Berger, 2002; p. 607  
*Parakabliella baideri* Berger & Foissner, 1989; p. 11  
*Parakabliella halophila* Foissner, Agatha & Berger, 2002; p. 598  
*Parakabliella namibicola* Foissner, Agatha & Berger, 2002; p. 611  
*Paraurostyla granulifera* Berger & Foissner, 1989; p. 29  
*Pelagolacrymaria moserae* Foissner, Berger & Schaumburg, 1999; p. 265  
*Pelagothrix chlorelligera* Foissner, Berger & Schaumburg, 1999; p. 395  
*Pelagothrix plancticola* Foissner, Berger & Schaumburg, 1999; p. 401  
*Periholosticha paucicirrata* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 679  
*Periholosticha sylvatica* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 687  
*Periscirra longicirrata* Foissner, Agatha & Berger, 2002; p. 632  
*Periscirra paucicirrata* Foissner, Agatha & Berger, 2002; p. 628  
*Pbialina binucleata* Berger, Foissner & Adam, 1984; p. 352  
*Pbialinides armatus* Foissner, Agatha & Berger, 2002; p. 224  
*Plagiocampa namibiensis* Foissner, Agatha & Berger, 2002; p. 542  
*Plagiocampa pentadactyla* Foissner, Agatha & Berger, 2002; p. 539  
*Plagiocampides halophilus* Foissner, Agatha & Berger, 2002; p. 548  
*Podophrya tristriata* Foissner, Agatha & Berger, 2002; p. 396

- Protospathidium fusioplites* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 660
- Protospathidium namibicola* Foissner, Agatha & Berger, 2002; p. 305
- Protospathidium vermiforme* Foissner, Agatha & Berger, 2002; p. 310
- Pseudocobnilembus binucleatus* Foissner, Agatha & Berger, 2002; p. 530
- Pseudoholobrya minuta* Foissner, Agatha & Berger, 2002; p. 99
- Pseudoholobrya terricola* Berger, Foissner & Adam, 1984; p. 343
- Pseudokreyella etoschensis* Foissner, Agatha & Berger, 2002; p. 1023
- Pseudomonilicaryon angustistoma* Foissner, Agatha & Berger, 2002; p. 381
- Pseudomonilicaryon japonicum* Foissner, Agatha & Berger, 2002; p. 378
- Pseudouroleptus procerus* Berger & Foissner, 1987; p. 195
- Rostrorbrya fenestrata* Foissner, Agatha & Berger, 2002; p. 997
- Rostrorbrya namibiensis* Foissner, Agatha & Berger, 2002; p. 991
- Saudithrix terricola* Foissner, Al-Rasheid & Berger in Berger, Al-Rasheid & Foissner, 2006; p. 267
- Schmidingerothrix elongata* Lu, Huang, Shao & Berger, 2018; p. 26
- Semiplatyobrya acrostoma* Foissner, Agatha & Berger, 2002; p. 1019
- Semispithidium armatum* Foissner, Agatha & Berger, 2002; p. 331
- Semispithidium enchelyodontides* Foissner, Agatha & Berger, 2002; p. 327
- Sikorops minor* Foissner, Agatha & Berger, 2002; p. 209
- Sikorops namibiensis* Foissner, Agatha & Berger, 2002; p. 203
- Spathidium aciculare* Foissner, Agatha & Berger, 2002; p. 258
- Spathidium contractile* Foissner, Agatha & Berger, 2002; p. 263
- Spathidium etoschense* Foissner, Agatha & Berger, 2002; p. 255
- Spathidium lanceoplites* Foissner, Agatha & Berger, 2002; p. 267
- Spathidium namibicola* Foissner, Agatha & Berger, 2002; p. 246
- Spathidium turgitorum* Foissner, Agatha & Berger, 2002; p. 234
- Steinia citrina* Berger & Foissner, 1987; p. 225
- Steinia primicirata* Berger & Foissner, 1987; p. 228
- Sterkiella nova* Foissner & Berger, 1999; p. 218
- Supraspathidium armatum* Foissner, Agatha & Berger, 2002; p. 280
- Supraspathidium etoschense* Foissner, Agatha & Berger, 2002; p. 274
- Tachysoma granulifera* Berger & Foissner, 1987; p. 228
- Tachysoma hyalina* Berger, Foissner & Adam, 1984; p. 359
- Terricirra matsusakai* Berger & Foissner, 1989; p. 36
- Territricha stramenticola* Berger & Foissner, 1988; p. 128
- Trachelophyllum africanum* Foissner, Agatha & Berger, 2002; p. 151
- Trachelophyllum costaricanum* Foissner, Agatha & Berger, 2002; p. 160
- Trachelophyllum pannonicum* Foissner, Agatha & Berger, 2002; p. 155
- Uroleptus paranotabilis* Foissner, Agatha & Berger, 2002; p. 566
- Urosoma octonucleata* Berger & Foissner, 1989; p. 41
- Urosomoida deserticola* Foissner, Agatha & Berger, 2002; p. 787
- Urosomoida monostyla* Foissner, Agatha & Berger, 2002; p. 784
- Urosomoida namibiensis* Foissner, Agatha & Berger, 2002; p. 780
- Urosomoida reticulata* Foissner, Agatha & Berger, 2002; p. 771
- Urosomoida* sp. in Weisse, Moser, Scheffel, Stadler, Berendonk, Weithoff & Berger, 2013; p. 263
- Urotricha simonsbergeri* Foissner, Berger & Schaumburg, 1999; p. 324
- Vermioxytricha arenicola* Foissner, Agatha & Berger, 2002; p. 751
- Wallackia elegans* Foissner, Agatha & Berger, 2002; p. 643
- Wolfkossia loeffleri* Foissner, Agatha & Berger, 2002; p. 459

### Combinations

284 combinations have been made.

- Acubolosticha gracilis* (Foissner, 1982) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Acubolosticha halophila* (Foissner, 2016) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Acubolosticha notabilis* (Foissner, 1982) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Acubolosticha paranotabilis* (Foissner, Agatha & Berger, 2002) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Acubolosticha silvicola* (Foissner, 2016) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Adumbratosticha islandica* (Berger & Foissner, 1989) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 94
- Adumbratosticha tetracirrata* (Buitkamp & Wilbert, 1974) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 94
- Adumbratosticha virginensis* (Foissner, 2016) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 94
- Afroamphisiella abdita* (Foissner, 1997) Foissner, Agatha & Berger, 2002; p. 698
- Afrokabliella binucleata* (Foissner, Agatha & Berger, 2002) Berger, 2011; p. 449
- Afrokabliella halophila* (Foissner, Agatha & Berger, 2002) Berger, 2011; p. 440
- Afrokabliella namibicola* (Foissner, Agatha & Berger, 2002) Berger, 2011; p. 434
- Anteholosticha adami* (Foissner, 1982) Berger, 2003; p. 377
- Anteholosticha alpestris* (Kahl, 1932) Berger, 2006; p. 403
- Anteholosticha arenicola* (Kahl, 1932) Berger, 2003; p. 377
- Anteholosticha australis* (Blatterer & Foissner, 1988) Berger, 2003; p. 377
- Anteholosticha azerbaijanica* (Aleksperov & Asadullayeva, 1999) Berger, 2006; p. 454
- Anteholosticha bergeri* (Foissner, 1987) Berger, 2003; p. 377
- Anteholosticha brachysticha* (Foissner, Agatha & Berger, 2002) Berger, 2003; p. 377
- Anteholosticha brevis* (Kahl, 1932) Berger, 2003; p. 377
- Anteholosticha camerounensis* (Dragesco, 1970) Berger, 2003; p. 377
- Anteholosticha distyla* (Buitkamp, 1977) Berger, 2003; p. 377
- Anteholosticha eigneri* in Huang, Chen, Song & Berger (2014, p. 345)
- Anteholosticha estuarii* (Borror & Wicklow, 1983) Berger, 2003; p. 377
- Anteholosticha extensa* (Kahl, 1932) Berger, 2003; p. 377
- Anteholosticha fasciola* (Kahl, 1932) Berger, 2003; p. 377
- Anteholosticha gracilis* (Kahl, 1932) Berger, 2003; p. 377
- Anteholosticha grisea* (Kahl, 1932) Berger, 2003; p. 377

- Anteolosticha heterocirrata* (Hemberger, 1985) Berger, 2008; p. 640
- Anteolosticha intermedia* (Bergh, 1889) Berger, 2006; p. 317
- Anteolosticha longissima* (Dragesco & Dragesco-Kernéis, 1986) Berger, 2006; p. 437
- Anteolosticha macrostoma* (Dragesco, 1970) Berger, 2006; p. 365
- Anteolosticha manca* (Kahl, 1932) Berger, 2003; p. 377
- Anteolosticha mancoidea* (Hemberger, 1985) Berger, 2003; p. 377
- Anteolosticha monilata* (Kahl, 1932) Berger, 2003; p. 377
- Anteolosticha multistilata* (Kahl, 1932) Berger, 2003; p. 377
- Anteolosticha muscicola* (Gellért, 1956) Berger, 2003; p. 377
- Anteolosticha muscorum* (Kahl, 1932) Berger, 2003; p. 377
- Anteolosticha oculata* (Mereschkowsky, 1877) Berger, 2003; p. 377
- Anteolosticha paramarzeni* in Huang, Chen, Song & Berger (2014, p. 345)
- Anteolosticha plurinucleata* (Gellért, 1956) Berger, 2006; p. 399
- Anteolosticha pulchra* (Kahl, 1932) Berger, 2003; p. 377
- Anteolosticha randani* (Grolière, 1975) Berger, 2003; p. 377
- Anteolosticha scutellum* (Cohn, 1866) Berger, 2003; p. 377
- Anteolosticha sigmoidea* (Foissner, 1982) Berger, 2003; p. 377
- Anteolosticha sphagni* (Grolière, 1975) Berger, 2003; p. 377
- Anteolosticha thononensis* (Dragesco, 1966) Berger, 2003; p. 377
- Anteolosticha verrucosa* (Foissner & Schade in Foissner, 2000) Berger, 2008; p. 647
- Anteolosticha violacea* (Kahl, 1928) Berger, 2003; p. 377
- Anteolosticha vixgracilis* (Berger, 2006) Berger, 2006; p. 369
- Anteolosticha warreni* (Song & Wilbert, 1997) Berger, 2003; p. 377
- Anteolosticha xanthichroma* (Wirnsberger & Foissner, 1987) Berger, 2003; p. 377
- Apoamphisiella hymenophora* (Stokes, 1886) Berger, 1999; p. 786
- Apoamphisiella vernalis* (Stokes, 1887) Berger, 2006; p. 98
- Apocyclidium obliquum* (Kahl, 1926) Foissner, Agatha & Berger, 2002; p. 520
- Apogastrostyla rigescens* (Kahl, 1932) Li, Huang, Song, Shin, Al-Rasheid & Berger, 2010; p. 197
- Apogastrostyla szaboi* (Wilbert & Song, 2005) Li, Huang, Song, Shin, Al-Rasheid & Berger, 2010; p. 208
- Apospathidium atypicum* (Buitkamp & Wilbert, 1974) Foissner, Agatha & Berger, 2002; p. 338
- Apourosomoida elongata* (Ruinen, 1938) Berger, 2011; p. 687
- Apourosomoida kabli* (Ruinen, 1938) Berger, 2011; p. 689
- Apourosomoida natronophila* (Dietz, 1965) Berger, 2008; p. 530
- Apourosomoida variabilis* (Ruinen, 1938) Berger, 2011; p. 690
- Apsiketrata gracilis* (Penard, 1922) Foissner, Berger & Kohmann, 1994; p. 319
- Arcuospathidium coemeterii* (Kahl, 1943) Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 652
- Arcuseries petzji* (Shao, Gao, Hu, Al-Rasheid & Warren, 2011) Huang, Chen, Song & Berger, 2014; p. 345
- Arcuseries scutellum* (Cohn, 1866) Huang, Chen, Song & Berger, 2014; p. 345
- Arcuseries warreni* (Song & Wilbert, 1997) Huang, Chen, Song & Berger, 2014; p. 345
- Balanion planctonicum* (Foissner, Oleksiv & Müller, 1990) Foissner, Berger & Kohmann, 1994; p. 369
- Biholosticha arenicola* (Dragesco, 1963) Berger, 2003; p. 378
- Biholosticha discocephalus* (Kahl, 1932) Berger, 2003; p. 378
- Bistichella buitkampii* (Foissner, 1982) Berger, 2008; p. 535
- Bistichella humicola* (Gellért, 1956) Berger, 2008; p. 556
- Bistichella namibiensis* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 538
- Bistichella procerca* (Berger & Foissner, 1987) Berger, 2008; p. 547
- Bistichella terrestris* (Hemberger, 1985) Berger, 2008; p. 554
- Bursellopsis nigricans* (Lauterborn, 1894) Foissner, Berger & Schaumburg, 1999; p. 383
- Bursellopsis nigricans mobilis* (Wang & Nie, 1933) Foissner, Berger & Schaumburg, 1999; p. 387
- Caudiamphisiella antarctica* (Wilbert & Song, 2005) Berger, 2008; p. 129
- Caudiholosticha algivora* (Kahl, 1932) Berger, 2003; p. 377
- Caudiholosticha gracilis* (Foissner, 1982) Berger, 2006; p. 266
- Caudiholosticha interrupta* (Dragesco, 1966) Berger, 2003; p. 377
- Caudiholosticha islandica* (Berger & Foissner, 1989) Berger, 2003; p. 377, 378
- Caudiholosticha multicaudicirrus* (Song & Wilbert, 1989) Berger, 2003; p. 378
- Caudiholosticha navicularum* (Kahl, 1932) Berger, 2003; p. 378
- Caudiholosticha notabilis* (Foissner, 1982) Berger, 2006; p. 260
- Caudiholosticha paranotabilis* (Foissner, Agatha & Berger, 2002) Berger, 2006; p. 254
- Caudiholosticha stueberi* (Foissner, 1987) Berger, 2003; p. 378
- Caudiholosticha sylvatica* (Foissner, 1982) Berger, 2003; p. 378
- Caudiholosticha tetracirrata* (Buitkamp & Wilbert, 1974) Berger, 2003; p. 378
- Caudiholosticha viridis* (Kahl, 1932) Berger, 2003; p. 378
- Caudikeronopsis marina* (Li, Chen & Xu, 2016) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 96
- Chaenea stricta* (Dujardin, 1841) Foissner, Berger, Blatterer & Kohmann, 1995; p. 152
- Clavoplates terrenum* (Foissner, 1984) Foissner, Agatha & Berger, 2002; p. 213
- Colpoda ecaudata* (Liebmann, 1936) Foissner, Blatterer, Berger & Kohmann, 1991; p. 395
- Condylostomides luteus* (Kahl, 1932) Foissner, Agatha & Berger, 2002; p. 899
- Condylostomides tardus* (Penard, 1922) Foissner, Agatha & Berger, 2002; p. 899
- Condylostomides terricola* (Foissner, 1995) Foissner, Agatha & Berger, 2002; p. 899
- Coniculostomum indica* (Ammermann, Sapra & Schlegel, 1987) Berger, 1999; p. 620
- Cyrtohymena (Cyrtohymenides) shii* (Shi, Wei & Wang, 1997) Shao, Song, Al-Rasheid & Berger, 2011; p. 279 (published in 2012)
- Cyrtohymena aestuarii* (Margalef Lopez, 1945) Berger, 1999; p. 308
- Declivistoma enchelyodontides* (Foissner, Agatha & Berger, 2002) Foissner, Agatha & Berger in Berger & Al-Rasheid (2008, p. 74)
- Declivistoma namibiense* (Foissner, Agatha & Berger, 2002) Foissner, Agatha & Berger in Berger & Al-Rasheid (2008, p. 74)
- Deviata quadrinucleata* (Dragesco, 2003) Berger, 2011; p. 588
- Deviata spirostoma* (Aleksperov, 1988) Berger, 2011; p. 597



- Dexiotricha granulosa* (Kent, 1881) Foissner, Berger & Kohmann, 1994; p. 240
- Diaxonella pseudorubra* (Kaltenbach, 1960) Berger, 2006; p. 463
- Diaxonella pseudorubra polystylata* (Borrór & Wicklow, 1983) Berger, 2006; p. 479
- Diaxonella pseudorubra pseudorubra* (Kaltenbach, 1960) Berger, 2006; p. 468
- Diaxonella pseudorubra pulchra* (Borrór, 1972) Berger, 2006; p. 483
- Echinomeseres macdonaldi* (Ludwig, 1893) Berger, 2011; p. 352 (Echinodermata)
- Enchelys multinucleata* (Dragesco & Dragesco-Kerneis, 1979) Berger, Foissner & Adam, 1984; p. 349
- Enchelys polynucleata* (Foissner, 1984) Foissner, Agatha & Berger, 2002; p. 127
- Epicarchesium pectinatum* (Zacharias, 1897) Foissner, Berger & Schaumburg, 1999; p. 508
- Epistylis pygmaeum* (Ehrenberg, 1838) Foissner, Berger & Schaumburg, 1999; p. 535
- Epithololus attenuatus* (Foissner, 1983) Foissner, Agatha & Berger, 2002; p. 164
- Epithololus chilensis* (Bürger, 1906) Foissner, Agatha & Berger, 2002; p. 165
- Euplotopsis labiata* (Ruinen, 1938) Foissner, Agatha & Berger, 2002; p. 868
- Exocolpoda augustini* (Foissner, 1987) Foissner, Agatha & Berger, 2002; p. 922
- Extraholosticha sylvatica* (Foissner, 1982) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 93
- Furgasonia theresae* (Fabre-Domergue, 1889) Foissner, Agatha & Berger, 2002; p. 457
- Gonostomum gonostomoida* (Hemberger, 1985) Berger, 1999; p. 392
- Gonostomum terrestre* (Alekperov, 2005) Berger, 2011; p. 164
- Hemiamphisiella terricola qingdaoensis* (Song & Wilbert, 1989) Berger, 2008; p. 310
- Hemiscincirra buitkampii* (Jankowski, 1979) Berger, 2008; p. 393
- Hemiscincirra gellerti* (Foissner, 1982) Berger, 2001; p. 71
- Hemiscincirra gracilis* (Foissner, 1982) Berger, 2001; p. 71
- Hemiscincirra interrupta* (Foissner, 1982) Berger, 2001; p. 72
- Hemiurosoma polynucleata* (Foissner, 1984) Foissner, Agatha & Berger, 2002; p. 835
- Hemiurosoma similis* (Foissner, 1982) Foissner, Agatha & Berger, 2002; p. 835
- Heterooxytricha gelei* (Wilbert, 1986) Shao, Song, Al-Rasheid & Berger, 2011; p. 278 (published in 2012)
- Heterooxytricha szaboi* (Song & Wilbert, 2005) Shao, Song, Al-Rasheid & Berger, 2011; p. 277 (published in 2012)
- Histiculus cavicola* (Kahl, 1935) Berger & Foissner, 1987; p. 213
- Histiculus minimus* (Groliere, 1975) Berger & Foissner, 1997; p. 149
- Holophrya africana* (Dragesco, 1970) Foissner, Berger & Kohmann, 1994; p. 317
- Holophrya aklitolophon* (Hiller & Bardele, 1988) Foissner, Berger & Kohmann, 1994; p. 317
- Holophrya cinerea* (Penard, 1922) Foissner, Berger & Kohmann, 1994; p. 317
- Holophrya spirogyrophaga* (Leipe, 1989) Foissner, Agatha & Berger, 2002; p. 538
- Holophrya teres* (Ehrenberg, 1833) Foissner, Berger & Kohmann, 1994; p. 336
- Holosticha pullaster* (Müller, 1773) Foissner, Blatterer, Berger & Kohmann, 1991; p. 240
- Kabliella franzi* (Foissner, 1982) Berger & Foissner, 1988; p. 66
- Kabliella simplex* (Horváth, 1934) Berger, 2011; p. 367
- Kablilembus attenuatus* (Smith, 1897) Foissner, Berger & Kohmann, 1994; p. 237
- Kleinstyla bavariensis* (Foissner, Agatha & Berger, 2002) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140)
- Kleinstyla dorsicirrata* (Foissner, 1982) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140)
- Lamstyla elegans* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 192
- Lamstyla hyalina* (Berger, Foissner & Adam, 1984) Berger & Foissner, 1987; p. 216
- Lamstyla longa* (Hemberger, 1985) Berger & Foissner, 1988; p. 116
- Lamstyla perisincirra* (Hemberger, 1985) Berger & Foissner, 1987; p. 216
- Lamstyla procera* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 183
- Lamstyla quadrinucleata* (Berger & Foissner, 1989) Berger, 2008; p. 190
- Lamstyla vitiphila* (Foissner, 1987) Berger, 2008; p. 187
- Lamstylides edaphoni* (Berger & Foissner, 1987) Berger, 2008; p. 324
- Lamstylides halophilus* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 336
- Lamstylides hyalinus* (Berger, Foissner & Adam, 1984) Berger, 2008; p. 347
- Lamstylides kirkeniensis* (Berger & Foissner, 1988) Berger, 2008; p. 333
- Lamstylides pori* (Wilbert & Kahan, 1986) Berger, 2008; p. 344
- Latispathidium truncatum* (Stokes, 1885) Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 645
- Latispathidium truncatum truncatum* (Stokes, 1885) Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 645
- Laurentiella strenua* (Dingfelder, 1962) Berger & Foissner, 1989; p. 29
- Limnobolosticha algivora* (Kahl, 1932) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Limnobolosticha navicularum* (Kahl, 1932) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Limnobolosticha setifera* (Kahl, 1932) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Limnobolosticha viridis* (Kahl, 1932) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95
- Linostomella vorticella* (Ehrenberg, 1833) Aescht in Foissner, Berger & Schaumburg, 1999; p. 655
- Litonotus crystallinus* (Vuxanovici, 1960) Foissner, Berger, Blatterer & Kohmann, 1995; p. 315
- Litonotus cygnus* (Müller, 1773) Foissner, Berger, Blatterer & Kohmann, 1995; p. 318
- Litonotus fusidens* (Kahl, 1926) Foissner, Berger, Blatterer & Kohmann, 1995; p. 326
- Litonotus lamella* (Müller, 1773) Foissner, Berger, Blatterer & Kohmann, 1995; p. 329

- Maregastróstyla pulchra* (Pereyaslawzewa, 1886) Berger, 2008; p. 137
- Monodinium alveolatum* (Kahl, 1930) Foissner, Berger & Schaumburg, 1999; p. 178
- Monodinium armatum* (Penard, 1922) Foissner, Berger & Schaumburg, 1999; p. 191
- Monodinium balbianii rostratum* (Kahl, 1926) Foissner, Berger & Schaumburg, 1999; p. 196
- Multibolosticha interrupta* (Dragesco, 1966) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 96
- Multibolosticha multicaudicirrus* (Song & Wilbert, 1989) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 96
- Nassulides labiatus* (Kahl, 1933) Foissner, Agatha & Berger, 2002; p. 448
- Nassulides pictus* (Greeff, 1888) Foissner, Agatha & Berger, 2002; p. 413
- Nassulides pratensis* (Czapik & Jordan, 1976) Foissner, Agatha & Berger, 2002; p. 413
- Nassulides vernalis* (Gelei & Szabados, 1950) Foissner, Agatha & Berger, 2002; p. 413
- Nassulopsis bivacuolata* (Sramek-Husek, 1946) Foissner, Berger & Kohmann, 1994; p. 430
- Nassulopsis brunnae* (Fabre-Domergue, 1885) Foissner, Berger & Kohmann, 1994; p. 430
- Nassulopsis elegans* (Ehrenberg, 1833) Foissner, Berger & Kohmann, 1994; p. 430
- Nassulopsis elongata* (Kahl, 1931) Foissner, Berger & Kohmann, 1994; p. 430
- Nassulopsis muscicola* (Kahl, 1931) Foissner, Berger & Kohmann, 1994; p. 430
- Nassulopsis paucivacuolata* (Foissner, 1979) Foissner, Berger & Kohmann, 1994; p. 430
- Naxella lucida* (Reuter, 1961) Foissner, Agatha & Berger, 2002; p. 445
- Naxella rosea* (Tucolesco, 1962) Foissner, Agatha & Berger, 2002; p. 441
- Neovallackia franzi* (Foissner, 1982) Berger, 2011; p. 281
- Neovallackia ghangriai* (Kamra, Kumar & Sapra, 2008) Berger, 2011; p. 295
- Neovallackia petergofi* (Aleksperov, 2005) Berger, 2011; p. 298
- Notohymena australis* (Foissner & O'Donoghue, 1990) Berger, 1999; p. 340
- Nudiamphisiella illuivalis* (Eigner & Foissner, 1994) Berger, 2008; p. 569
- Ottomphrya dragescoi* (Foissner, 1987) Foissner, Agatha & Berger, 2002; p. 969
- Ottomphrya magna* (Foissner, 1993) Foissner, Agatha & Berger, 2002; p. 975
- Oxytricha gelei* (Wilbert, 1986) Berger, 1999; p. 232
- Oxytricha parahalophila* (Wang & Nie, 1935) Berger, 1999; p. 170
- Oxytrichella sejongensis* (Jung, Baek, Kim & Choi, 2016) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 92
- Pallitrichodina stephani* (Van As & Basson, 1993) Aescht, Foissner, Blatterer, Kohmann & Berger, 2017; p. 31
- Paragastrostyla terricola* (Foissner, 1988) Berger, 2006; p. 631
- Parabolosticha ovata* (Horvath, 1933) Berger, 2001; p. 68
- Parabolosticha vitrea* (Vörösvary, 1950) Berger, 2001; p. 68
- Parakabliella macrostoma* (Foissner, 1982) Berger, Foissner & Adam, 1985; p. 297
- Parakabliella terricola* (Buitkamp, 1977) Berger, Foissner & Adam, 1985; p. 309
- Paraurostyla polymicronucleata* (Merriman, 1937) Berger, 1999; p. 846
- Parurosoma dubium* (Gelei, 1954) Berger, 1999; p. 492
- Pelagodileptus trachelioides* (Zacharias, 1894) Foissner, Berger & Schaumburg, 1999; p. 232
- Pelagolacrymaria rostrata* (Kahl, 1935) Foissner, Berger & Schaumburg, 1999; p. 265
- Pelagothrix alveolata* (Kahl, 1926) Foissner, Berger & Schaumburg, 1999; p. 395
- Phialina minima* (Kahl, 1927) Foissner, Agatha & Berger, 2002; p. 227
- Placus marina* (Kahl, 1927) Foissner, Berger & Kohmann, 1994; p. 376
- Platynematum denticulatum* (Kahl, 1933) Foissner, Berger & Kohmann, 1994; p. 256
- Platynematum hyalinum* (Kahl, 1931) Foissner, Berger & Kohmann, 1994; p. 256
- Platynematum latifrons* (Gourret & Roeser, 1888) Foissner, Berger & Kohmann, 1994; p. 256
- Platynematum marinum* (Kahl, 1933) Foissner, Berger & Kohmann, 1994; p. 256
- Platynematum mirum* (Penard, 1922) Foissner, Berger & Kohmann, 1994; p. 256
- Platynematum sociale* (Penard, 1922) Foissner, Berger & Kohmann, 1994; p. 256
- Platynematum solivagum* (Kahl, 1926) Foissner, Berger & Kohmann, 1994; p. 256
- Plesiocaryon terricola* Foissner, Agatha & Berger, 2002; p. 963
- Prorodon ellipticus* (Kahl, 1930) Foissner, Berger & Adam, 1994; p. 344
- Prorodon emmae* (Bergh, 1896) Foissner, Berger & Kohmann, 1994; p. 319
- Protocyclidium citrulus* (Cohn, 1866) Foissner, Agatha & Berger, 2002; p. 524
- Protocyclidium muscicola* (Kahl, 1931) Foissner, Agatha & Berger, 2002; p. 524
- Protocyclidium sphagnetorum* (Sramek-Husek, 1949) Foissner, Agatha & Berger, 2002; p. 524
- Protocyclidium terricola* (Kahl, 1931) Foissner, Agatha & Berger, 2002; p. 525
- Pseudokabliella marina* (Foissner, Adam & Foissner, 1982) Berger, Foissner & Adam, 1985; p. 309
- Pseudomonilicaryon massutii* (Kahl, 1933) Foissner, Agatha & Berger, 2002; p. 373
- Pseudouroleptus buitkampii* (Foissner, 1982) Berger & Foissner, 1987; p. 197
- Pseudourostyla magna* (Aleksperov, 1984) Berger, 2006; p. 809
- Pseudourostyla raikovi* (Aleksperov, 1984) Berger, 2006; p. 807
- Rigidocortex octonucleatus* (Foissner, 1988) Berger, 1999; p. 718
- Rigidohymena candens* (Kahl, 1932) Berger, 2011; p. 548
- Rigidohymena inquieta* (Stokes, 1887) Berger, 2011; p. 548
- Rigidohymena quadrinucleata* (Dragesco & Njine, 1971) Berger, 2011; p. 548
- Rigidohymena tetracirrata* (Gellért, 1942) Berger, 2011; p. 548

- Rimostrombidium armeniensis* (Zharikov, 1987) Foissner, Berger & Schaumburg, 1999; p. 595
- Rubrioxytiricha ferruginea* (Stein, 1859) Berger, 1999; p. 484
- Rubrioxytiricha haematoplasma* (Blatterer & Foissner, 1990) Berger, 1999; p. 481
- Semispithidium lagyniforme* (Kahl, 1930) Foissner, Agatha & Berger, 2002; p. 327
- Spetastyla mystacea* (Stein, 1859) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140)
- Spetastyla mystacea minima* (Hemberger, 1985) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140)
- Spetastyla mystacea mystacea* (Stein, 1859) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140)
- Sterkiella admirabilis* (Foissner, 1980) Berger, 1999; p. 677
- Sterkiella cavicola* (Kahl, 1935) Foissner, Blatterer, Berger & Kohmann, 1991; p. 311
- Sterkiella histriomuscorum* (Foissner, Blatterer, Berger & Kohmann, 1991) Foissner, Blatterer, Berger, & Kohmann, 1991; p. 311
- Sterkiella quadrinucleatus* (Sick, 1933) Berger, 1999; p. 694
- Sterkiella tricirrata* (Buitkamp, 1977) Berger, 1999; p. 693
- Stylonychia bifaria* (Stokes, 1887) Berger, 1999; p. 557
- Stylonychia stylomuscorum* (Foissner, Blatterer, Berger & Kohmann, 1991) Foissner, Blatterer, Berger & Kohmann, 1991; p. 332
- Styxophrya quadricornuta* (Foissner, Schlegel & Prescott, 1987) Foissner, Yeo Moon-van der Staay, van der Staay, Hackstein, Krautgartner & Berger, 2004; p. 279.
- Tachysoma bicirratum* (Foissner, Blatterer, Berger & Kohmann, 1991) Foissner, Blatterer, Berger & Kohmann, 1991; p. 302
- Tachysoma chilensis* (Bürger, 1905) Berger, 1999; p. 451
- Terricirra livida* (Berger & Foissner, 1987) Berger & Foissner, 1989; p. 36
- Terricirra viridis* (Foissner, 1982) Berger & Foissner, 1989; p. 36
- Tetmemena bifaria* (Stokes, 1887) Berger, 2001; p. 53
- Thigmokeronopsis crassa* (Claparede & Lachmann, 1858) Berger, 2006; p. 873
- Trachelostyla rostrata* (Lepsi, 1962) Berger, 2008; p. 498
- Trichototaxis multinucleatus* (Burkovsky, 1970) Berger, 2001; p. 95
- Uroleptooides binucleatus multicirratum* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 267
- Uroleptooides longiseries* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 249
- Uroleptooides magnigranulosus* (Foissner, 1988) Berger, 2008; p. 273
- Uroleptooides multinucleatus* (Foissner, Agatha & Berger, 2002) Berger, 2008; p. 255
- Uroleptooides polycirratum* (Berger & Foissner, 1989) Berger, 2008; p. 285
- Uroleptooides terricola* (Gellért, 1956) Berger, 2008; p. 279
- Uroleptopsis tannaensis* (Shigematsu, 1953) Berger, 2004; p. 111, 114
- Uroleptus (Caudibolosticha) stueberi* (Foissner, 1987) Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 93
- Uroleptus gallina* (Müller, 1786) Foissner, Blatterer, Berger & Kohmann, 1991; p. 244
- Uroleptus musculus* (Kahl, 1932) Foissner, Blatterer, Berger & Kohmann, 1991; p. 248
- Uroleptus ophryoglena* (Gelei, 1954) Chen, Lv, Shao, Al-Farraj, Song & Berger, 2016; p. 349, 360
- Urosoma caudata* (Ehrenberg, 1833) Berger, 1999; p. 398
- Urosoma emarginata* (Stokes, 1885) Berger, 1999; p. 409
- Urosoma gigantea* (Horvath, 1933) Berger, 1999; p. 425
- Urosoma macrostyla* (Wrzesniowski, 1866) Berger, 1999; p. 404
- Urosoma polynucleata* (Foissner, 1984) Berger, 1999; p. 419
- Urosoma salmastra* (Dragesco & Dragesco-Kernéis, 1986) Berger, 1999; p. 424
- Urosoma similis* (Foissner, 1982) Berger, 1999; p. 419
- Urosomoida marcili* (Paiva & Silva-Neto, 2004) Shao, Song, Al-Rasheid & Berger, 2011; p. 282 (published in 2012)
- Urosomoida pseudofurcata* (Berger, 1999) Shao, Song, Al-Rasheid & Berger, 2011; p. 283 (published in 2012)
- Urostyla variabilis* (Borror & Wicklow, 1983) Berger, 2006; p. 1104
- Vermioxytiricha muelleri* (Foissner, 1986) Foissner, Agatha & Berger, 2002; p. 750
- Wallackia bujoreani* (Lepsi, 1951) Berger & Foissner, 1989; p. 25
- Zosterodasys transverse* (Kahl, 1928) Foissner, Berger & Kohmann, 1994; p. 418

#### New Status (changes in rank)

47 changes in rank have been made.

- Amphisiella binucleata binucleata* (Hemberger, 1985) Foissner, 1988 in Foissner, Agatha & Berger, 2002; p. 663 (lowered to subspecies rank)
- Antebolosticha verrucosa* (Foissner & Schade in Foissner, 2000) Berger, 2008; p. 647 (raised to species rank)
- Arcuospathidium cultriforme cultriforme* (Penard, 1922) Foissner, 1984 in Foissner, Agatha & Berger, 2002; p. 299 (lowered to subspecies rank)
- Arcuospathidium cultriforme lionotiforme* (Kahl, 1930) Foissner, 1984 in Foissner, Agatha & Berger, 2002; p. 300 (lowered to subspecies rank)
- Bryophyllum lingua lingua* Gelei, 1934 in Foissner, Agatha & Berger, 2002; p. 345 (lowered to subspecies rank)
- Bursellopsis nigricans mobilis* (Wang & Nie, 1933) Foissner, Berger & Schaumburg, 1999; p. 387 (lowered to subspecies rank)
- Bursellopsis nigricans nigricans* (Lauterborn, 1894) Foissner, Berger & Schaumburg, 1999; p. 383 (lowered to subspecies rank)
- Coleps hirtus hirtus* (Müller, 1786) Nitzsch, 1827 in Foissner, Berger & Schaumburg, 1999; p. 273 (lowered to subspecies rank)
- Coleps hirtus viridis* Ehrenberg, 1831 in Foissner, Berger & Schaumburg, 1999; p. 284 (lowered to subspecies rank)
- Colpoda cavicola cavicola* Kahl, 1935 in Foissner, Agatha & Berger, 2002; p. 910 (lowered to subspecies rank)
- Colpodidium (Colpodidium) Wilbert*, 1982 in Foissner, Agatha & Berger, 2002; p. 467 (lowered to subgeneric rank)
- Colpodidium (Colpodidium) caudatum* Wilbert, 1982 in Foissner, Agatha & Berger, 2002; p. 467 (classification in subgenus)
- Frontonia angusta angusta* Kahl, 1931 in Foissner, Agatha & Berger, 2002; p. 505 (lowered to subspecies rank)

- Frontonia angusta solea* Foissner, 1987 in Foissner, Agatha & Berger, 2002; p. 506 (lowered to subspecies rank)
- Gastrostyla* (*Gastrostyla*) Engelmann, 1862 in Foissner, Agatha & Berger, 2002; p. 720 (lowered to subgeneric rank)
- Gastrostyla* (*Gastrostyla*) *dorsicirrata* Foissner, 1982 in Foissner, Agatha & Berger, 2002; p. 720 (classified in subgenus)
- Gastrostyla* (*Gastrostyla*) *muscorum* Kahl, 1932 in Foissner, Agatha & Berger, 2002; p. 720 (classified in subgenus)
- Gastrostyla* (*Gastrostyla*) *pulchra* (Pereyaslawzewa, 1886) Kahl, 1932 in Foissner, Agatha & Berger, 2002; p. 720 (classified in subgenus)
- Gastrostyla* (*Gastrostyla*) *setifera* (Engelmann, 1862) Kent, 1882 in Foissner, Agatha & Berger, 2002; p. 720 (classified in subgenus)
- Gastrostyla* (*Spetastyla*) *mystacea* (Stein, 1859) Sterki, 1878 in Foissner, Agatha & Berger, 2002; p. 724 (classified in subgenus)
- Gastrostyla* (*Spetastyla*) *mystacea mystacea* (Stein, 1859) Sterki, 1878 in Foissner, Agatha & Berger, 2002; p. 724 (classified in subgenus and lowered to subspecies rank)
- Gastrostyla* (*Spetastyla*) *mystacea minima* Hemberger, 1985 in Foissner, Agatha & Berger, 2002; p. 740 (classified in subgenus and lowered to subspecies rank)
- Hemiamphisiella terricola terricola* Foissner, 1988 in Berger (2008, p. 296; lowered to subspecies rank)
- Hemiamphisiella terricola qingdaoensis* (Song & Wilbert, 1989) Berger, 2008 in Berger (2008, p. 310; lowered to subspecies rank)
- Kleinstyla* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140; raised to genus rank)
- Latispathidium truncatum truncatum* (Stokes, 1885) Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005 in Foissner, Berger, Xu & Zechmeister-Boltenstern (2005; p. 645; lowered to subspecies rank).
- Monodinium balbianii balbianii* Fabre-Domergue, 1888 in Foissner, Berger & Schaumburg, 1999; p. 182 (lowered to subspecies rank)
- Monodinium balbianii rostratum* (Kahl, 1926) Foissner, Berger & Schaumburg, 1999; p. 196 (lowered to subspecies rank)
- Odontochlamys alpestris alpestris* Foissner, 1981 in Foissner, Agatha & Berger, 2002; p. 389 (lowered to subspecies rank)
- Oxytricha quadricirrata* Blatterer & Foissner, 1988 in Berger, 1999; p. 223 (raised to species rank)
- Platyophrya spumacola spumacola* Kahl, 1927 in Foissner, Agatha & Berger, 2002; p. 959 (lowered to subspecies rank)
- Paragonostomum* (*Paragonostomum*) Foissner, Agatha & Berger, 2002 in Berger, 2011: p. 176 (lowered to subgenus rank)
- Pseudouroleptus caudatus caudatus* Hemberger, 1985 in Foissner, Agatha & Berger, 2002; p. 650 (lowered to subspecies rank)
- Rostrophryides africana africana* Foissner, 1987 in Foissner, Agatha & Berger, 2002; p. 1000 (lowered to subspecies rank)
- Spathidium seppelti seppelti* Petz & Foissner, 1997 in Foissner, Agatha & Berger, 2002; p. 229 (lowered to subspecies rank)
- Spetastyla* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 140; raised to genus rank)
- Teuthophrys trisulcata africana* Dragesco & Dragesco-Kerneis, 1986 in Foissner, Berger & Schaumburg, 1999; p. 238 (lowered to subspecies rank)
- Teuthophrys trisulcata trisulcata* Chatton & De Beauchamp, 1923 in Foissner, Berger & Schaumburg, 1999; p. 238 (lowered to subspecies rank)
- Uroleptopsis* (*Plesiouroleptopsis*) *ignea* (Mihailowitsch & Wilbert, 1990) Foissner, 1995 in Berger, 2004; p. 115 (classified in subgenus)
- Uroleptopsis* (*Uroleptopsis*) Kahl, 1932 in Berger, 2004; p. 114 (classified as subgenus)
- Uroleptopsis* (*Uroleptopsis*) *citrina* Kahl, 1932 in Berger, 2004; p. 114 (classified in subgenus)
- Uroleptopsis* (*Uroleptopsis*) *roscoviana* (Maupas, 1883) Kahl, 1932 in Berger, 2004; p. 114 (classified in subgenus)
- Uroleptopsis* (*Uroleptopsis*) *tannaensis* (Shigematsu, 1953) Berger, 2004 in Berger, 2004; p. 114 (classified in subgenus)
- Uroleptopsis* (*Uroleptopsis*) *viridis* (Pereyaslawzewa, 1886) Kahl, 1932 in Berger, 2004; p. 114 (classified in subgenus)
- Uroleptus* (*Caudiholosticha*) Berger, 2003 in Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 93) (classified as subgenus)
- Urotricha matthesi matthesi* Krainer, 1995 in Foissner, Berger & Schaumburg, 1999; p. 340 (lowered to subspecies rank)
- Vorticella* (*Echinovorticella*) *echini* King, 1931 in Foissner, Agatha & Berger, 2002; p. 553 (classified in subgenus *Echinovorticella*)

#### Redescriptions or reviews (without nomenclatural changes; names written as in publication)

About 1600 redescriptions and reviews of 1453 taxa have been made. These values include 142 synonyms and 164 species indeterminata. Please check also Berger (1999, 2006, 2008, 2011) for some more or less detailed notes on further taxa.

- Acineria incurvata* Dujardin, 1841 in Foissner, Berger, Blatterer & Kohmann (1995, p. 343)
- Acineria uncinata* Tucolesco, 1962 in Foissner, Berger, Blatterer & Kohmann (1995, p. 349)
- Acineta flava* Kellicott, 1885 in Foissner, Berger, Blatterer & Kohmann (1995, p. 450)
- Acineta grandis* Kent, 1881 in Foissner, Berger, Blatterer & Kohmann (1995, p. 448)
- Acineta tuberosa* (Pallas, 1766) Ehrenberg, 1833 in Foissner, Berger, Blatterer & Kohmann (1995, p. 442)
- Acropisthiidae Foissner & Foissner, 1988 in Foissner, Agatha & Berger (2002, p. 189)
- Actinobolina radians* (Stein, 1867) Strand, 1928 in Foissner, Berger, Blatterer & Kohmann (1995, p. 243) and in Foissner, Berger & Schaumburg (1999, p. 112)
- Actinobolina smalli* Holt, Lynn & Corliss, 1973 in Foissner, Berger & Schaumburg (1999, p. 115)
- Actinobolina vorax* (Wenrich, 1929) Kahl, 1930 in Foissner, Berger, Blatterer & Kohmann (1995, p. 246) and in Foissner, Berger & Schaumburg (1999, p. 118)
- Actinobolina wenrichii* Wang & Nie, 1933 in Foissner, Berger & Schaumburg (1999, p. 123)
- Actinophrys sol* (Müller, 1773) Ehrenberg, 1830 in Berger, Foissner & Kohmann (1997, p. 70) (Heliozoa)
- Actinosphaerium eichbornii* (Ehrenberg, 1840) Stein, 1857 in Berger, Foissner & Kohmann (1997, p. 73) (Heliozoa)

- Actinotricha* Cohn, 1866 in Berger (1999, p. 115, as synonym) and Shao, Song & Berger (2011, p. 283; published in 2012)
- Actinotricha saltans* Cohn, 1866 in Shao, Song & Berger (2011, p. 283; published in 2012)
- Afroamphisiella* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 371)
- Afroamphisiella abdita* (Foissner, 1997) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 377)
- Afroamphisiella multinucleata* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 372)
- Afrokabliella binucleata* (Foissner, Agatha & Berger, 2002) Berger, 2011 in Berger (2011, p. 449)
- Afrokabliella halophila* (Foissner, Agatha & Berger, 2002) Berger, 2011 in Berger (2011, p. 440)
- Afrokabliella namibicola* (Foissner, Agatha & Berger, 2002) Berger, 2011 in Berger (2011, p. 434)
- Afrothrix* Foissner, 1999 in Berger (2006, p. 486)
- Afrothrix darbyshirei* Foissner, 1999 in Berger (2006, p. 488)
- Afrothrix multinucleata* Foissner, Agatha & Berger, 2002 in Berger (2006, p. 492)
- Alastor* Perty, 1852 in Berger (1999, p. 825, as synonym)
- Allotricha* Sterki, 1878 in Berger (1999, p. 261)
- Allotricha mollis* Sterki, 1878 in Berger (1999, p. 262)
- Amoebae proteus* (Pallas, 1766) Leidy, 1878 in Berger, Foissner & Kohmann (1997, p. 61) (Amoebina)
- Amphileptus carbesii* Stein, 1867 in Foissner, Berger, Blatterer & Kohmann (1995, p. 277)
- Amphileptus claparedii* Stein, 1867 in Foissner, Berger, Blatterer & Kohmann (1995, p. 284)
- Amphileptus pleurosigma* (Stokes, 1884) Foissner, 1984 in Foissner, Berger, Blatterer & Kohmann (1995, p. 290) and in Berger, Foissner & Kohmann (1997, p. 186)
- Amphileptus procerus* (Penard, 1922) Song Weibo & Wilbert, 1989 in Foissner, Berger, Blatterer & Kohmann (1995, p. 297)
- Amphileptus punctatus* (Kahl, 1926) Foissner, 1984 in Foissner, Berger, Blatterer & Kohmann (1995, p. 303)
- Amphisia* Sterkia, 1878 in Berger (2006, p. 88, as synonym)
- Amphisia multisetata* Sterki, 1878 in Berger (2006, p. 128, as synonym)
- Amphisiella* Gourret & Roeser, 1888 in Berger (2008, p. 84)
- Amphisiella annulata* (Kahl, 1928) Borrór, 1972 in Berger (2004, p. 2) and in Berger (2008, p. 100)
- Amphisiella arenicola* Fernandez-Leborans & Novillo, 1992 in Berger (2008, p. 127, as species indeterminata)
- Amphisiella australis* Blatterer & Foissner, 1988 sensu Foissner, 1988 in Berger (2008, p. 179)
- Amphisiella binucleata* (Hemberger, 1985) Foissner, 1988 in Foissner, Agatha & Berger (2002, p. 663)
- Amphisiella capitata* (Pereyaslawzewa, 1886) Borrór, 1972 in Berger (2008, p. 91, 683)
- Amphisiella magnigranulosa* Foissner, 1988 in Foissner, Agatha & Berger (2002, p. 693)
- Amphisiella marioni* Gourret & Roeser, 1888 in Berger (2008, p. 91, as synonym)
- Amphisiella milnei* (Kahl, 1932) Horváth, 1950 in Berger (2008, p. 118)
- Amphisiella ovalis* Fernandez-Leborans & Novillo, 1992 in Berger (2008, p. 125)
- Amphisiella oscensis* Fernandez-Leborans, 1984 in Berger (2008, p. 133)
- Amphisiella polycirrata* Berger & Foissner, 1989 in Foissner, Agatha & Berger (2002, p. 691)
- Amphisiella turanica* Alekperov & Asadullayeva, 1999 in Berger (2008, p. 123)
- Amphisiellidae Jankowski, 1979 in Berger (2008, p. 79)
- Amphisiellides* Foissner, 1988 in Berger (2008, p. 651)
- Amphisiellides atypicus* (Hemberger, 1985) Foissner, 1988 in Berger (2008, p. 654)
- Ancystropodium* Faure-Fremiet, 1907 in Berger (1999, p. 777)
- Ancystropodium maupasi* Faure-Fremiet, 1907 in Berger (1999, p. 778)
- Anisonema acinus* Dujardin, 1841 in Berger, Foissner & Kohmann (1997, p. 92) (flagellate)
- Anteholosticha* Berger, 2003 in Berger (2006, p. 292), Berger (2008, p. 640), and Huang, Chen, Song & Berger (2014, p. 345)
- Anteholosticha adami* (Foissner, 1982) Berger, 2003 in Berger (2006, p. 376)
- Anteholosticha alpestris* (Kahl, 1932) Berger, 2006 in Berger (2006, p. 403)
- Anteholosticha arenicola* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 452)
- Anteholosticha australis* (Blatterer & Foissner, 1988) Berger, 2003 in Berger (2006, p. 382)
- Anteholosticha azerbaijanica* (Alekperov & Asadullayeva, 1999) Berger, 2006 in Berger (2006, p. 454)
- Anteholosticha bergeri* (Foissner, 1987) Berger, 2003 in Berger (2006, p. 393)
- Anteholosticha brachysticha* (Foissner, Agatha & Berger, 2002) Berger, 2003 in Berger (2006, p. 397)
- Anteholosticha brevis* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 360)
- Anteholosticha camerounensis* (Dragesco, 1970) Berger, 2003 in Berger (2006, p. 361)
- Anteholosticha distyla* (Buitkamp, 1977) Berger, 2003 in Berger (2006, p. 385)
- Anteholosticha estuarii* (Borrór & Wicklow, 1983) Berger, 2003 in Berger (2006, p. 420)
- Anteholosticha extensa* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 438)
- Anteholosticha fasciola* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 441)
- Anteholosticha gracilis* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 426)
- Anteholosticha grisea* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 332)
- Anteholosticha heterocirrata* (Hemberger, 1985) Berger, 2008 in Berger (2008, p. 640)
- Anteholosticha intermedia* (Bergh, 1889) Berger, 2006 in Berger (2006, p. 317)
- Anteholosticha longissima* (Dragesco & Dragesco-Kernéis, 1986) Berger, 2006 in Berger (2006, p. 437)
- Anteholosticha macrostoma* (Dragesco, 1970) Berger, 2006 in Berger (2006, p. 365)
- Anteholosticha manca* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 422)

- Antebolosticha mancoidea* (Hemberger, 1985) Berger, 2003 in Berger (2006, p. 336)
- Antebolosticha monilata* (Kahl, 1928) Berger, 2003 in Berger (2006, p. 297)
- Antebolosticha multistilata* (Kahl, 1928) Berger, 2003 in Berger (2006, p. 405)
- Antebolosticha muscicola* (Gellért, 1956) Berger, 2003 in Berger (2006, p. 401)
- Antebolosticha oculata* (Mereschkowsky, 1877) Berger, 2003 in Berger (2006, p. 448)
- Antebolosticha plurinucleata* (Gellért, 1956) Berger, 2006 in Berger (2006, p. 399)
- Antebolosticha pulchra* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 433)
- Antebolosticha randani* (Grolière, 1975) Berger, 2003 in Berger (2006, p. 338)
- Antebolosticha scutellum* (Cohn, 1866) Berger, 2003 in Berger (2006, p. 443)
- Antebolosticha sigmoidea* (Foissner, 1982) Berger, 2003 in Berger (2006, p. 387)
- Antebolosticha sphagni* (Grolière, 1975) Berger, 2003 in Berger (2006, p. 340)
- Antebolosticha thononensis* (Dragesco, 1966) Berger, 2003 in Berger (2006, p. 334)
- Antebolosticha verrucosa* (Foissner & Schade in Foissner, 2000) Berger, 2008 in Berger (2008, p. 647)
- Antebolosticha violacea* (Kahl, 1928) Berger, 2003 in Berger (2006, p. 342)
- Antebolosticha vixgracilis* (Berger, 2006) Berger, 2006 in Berger (2006, p. 369)
- Antebolosticha warreni* (Song & Wilbert, 1997) Berger, 2003 in Berger (2006, p. 412)
- Antebolosticha xanthichroma* (Wirnsberger & Foissner, 1987) Berger, 2003 in Berger (2006, p. 345)
- Anthophysa vegetans* (Müller, 1786) Stein, 1878 in Berger, Foissner & Kohmann (1997, p. 102) (flagellate)
- Apoamphisiella* Foissner, 1997 in Berger (1999, p. 781)
- Apoamphisiella hymenophora* (Stokes, 1886) Berger, 1999 in Berger (1999, p. 786)
- Apoamphisiella tibanyiensis* (Gellert & Tamas, 1958) Foissner, 1997 in Berger (1999, p. 782)
- Apobakuella* in Huang, Chen, Song & Berger (2014, p. 344)
- Apobryophyllum etoscbense* Foissner, 1998 in Foissner, Agatha & Berger (2002, p. 361)
- Apobryophyllum terricola* Foissner, 1998 in Foissner, Agatha & Berger (2002, p. 365)
- Apogastrostyla rigescens* (Kahl, 1932) Li, Huang, Song, Shin, Al-Rasheid & Berger, 2010 in Li, Huang, Song, Shin, Al-Rasheid & Berger (1999, p. 197)
- Apogonostomum* Foissner, 2016 in Lu, Huang, Shao & Berger (2018, p. 39)
- Apourosomoida* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 514; 2011, p. 684)
- Apourosomoida elongata* (Ruinen, 1938) Berger, 2011 in Berger (2011, p. 687)
- Apourosomoida halophila* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 516)
- Apourosomoida kabli* (Ruinen, 1938) Berger, 2011 in Berger (2011, p. 689)
- Apourosomoida natronophila* (Dietz, 1965) Berger, 2008 in Berger (2008, p. 530)
- Apourosomoida variabilis* (Ruinen, 1938) Berger, 2011 in Berger (2011, p. 690)
- Arcuospadidium cultriforme* (Penard, 1922) Foissner, 1984 in Foissner, Agatha & Berger (2002, p. 299)
- Askenasia acrostomia* Krainer & Foissner, 1990 in Foissner, Berger & Schaumburg (1999, p. 148)
- Askenasia chlorelligera* Krainer & Foissner, 1990 in Foissner; Berger & Schaumburg (1999, p. 151)
- Askenasia volvox* (Eichwald, 1852) Kahl, 1930 in Foissner, Berger, Blatterer & Kohmann (1995, p. 251) and in Foissner, Berger & Schaumburg (1999, p. 154)
- Aspidisca cicada* (Müller, 1786) Claparede & Lachmann, 1858 in Foissner, Blatterer, Berger & Kohmann (1991, p. 370) and Berger, Foissner & Kohmann (1997, p. 153)
- Aspidisca lyncens* (Müller, 1773) Ehrenberg, 1830 in Foissner, Blatterer, Berger & Kohmann (1991, p. 377) and Berger, Foissner & Kohmann (1997, p. 155)
- Aspidisca turrita* (Ehrenberg, 1831) Claparede & Lachmann, 1858 in Foissner, Blatterer, Berger & Kohmann (1991, p. 383)
- Assulina seminulum* (Ehrenberg, 1848) Leidy, 1879 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 171) (Testacea)
- Astylozoon fallax* Engelmann, 1862 in Foissner, Berger & Kohmann (1992, p. 289) and in Foissner, Berger & Schaumburg (1999, p. 453)
- Astylozoon faurei* Kahl, 1935 in Foissner, Berger & Kohmann (1992, p. 291) and in Foissner, Berger & Schaumburg (1999, p. 455)
- Australocirrus* Blatterer & Foissner, 1988 in Berger & Foissner (1997, p. 145) and Berger (1999, p. 470)
- Australocirrus oscitans* Blatterer & Foissner, 1988 in Berger (1999, p. 470)
- Australothrix* Blatterer & Foissner, 1988 in Berger (2006, p. 703)
- Australothrix alvinae* Blatterer & Foissner, 1988 in Berger (2006, p. 710)
- Australothrix australis* Blatterer & Foissner, 1988 in Berger (2006, p. 707)
- Australothrix gibba* (Claparede & Lachmann, 1858) Blatterer & Foissner, 1988 in Berger (2006, p. 724)
- Australothrix simplex* Liu, Shen, Song & Gu, 1992 in Berger (2006, p. 719)
- Australothrix steineri* Foissner, 1995 in Berger (2006, p. 716)
- Australothrix zignis* (Entz, 1884) Blatterer & Foissner, 1988 in Berger (2006, p. 721)
- Bakuella* Agamaliev & Alekperov, 1976 in Song, Wilbert & Berger (1992, p. 141) and Berger (2006, p. 531)
- Bakuella (Bakuella)* Agamaliev & Alekperov, 1976 in Berger (2006, p. 536)
- Bakuella agamalievi* Borrer & Wicklow, 1983 in Song, Wilbert & Berger (1992, p. 144) and Berger (2006, p. 541)
- Bakuella crenata* Agamaliev & Alekperov, 1976 in Song, Wilbert & Berger (1992, p. 142) and Berger (2006, p. 548)
- Bakuella edaphoni* Song, Wilbert & Berger, 1992 in Berger (2006, p. 551)

- Bakuella granulifera* Foissner, Agatha & Berger, 2002 in Berger (2006, p. 569)
- Bakuella imbricata* Alekperov, 1982 in Berger (2006, p. 536, as synonym)
- Bakuella kreuzkampii* Song, Wilbert & Berger, 1992 in Berger (2006, p. 541, as synonym)
- Bakuella marina* Agamaliev & Alekperov, 1976 in Song, Wilbert & Berger (1992, p. 142) and Berger (2006, p. 536)
- Bakuella muesnterlandi* Alekperov, 1992 in Berger (2006, p. 541, as synonym)
- Bakuella pampinaria* Eigner & Foissner, 1992 in Berger (2006, p. 559)
- Bakuella pampinaria oligocirrata* Foissner, 2004 in Berger (2006, p. 566)
- Bakuella pampinaria pampinaria* Eigner & Foissner, 1992 in Berger (2006, p. 563)
- Bakuella polycirrata* Alekperov, 1988 in Berger (2006, p. 548, as synonym)
- Bakuella (Pseudobakuella)* Alekperov, 1992 in Berger (2006, p. 576)
- Bakuella salinarum* Mihailowitsch & Wilbert, 1990 in Song, Wilbert & Berger (1992, p. 142) and Berger (2006, p. 576)
- Bakuella variabilis* Borrer & Wicklow, 1983 in Song, Wilbert & Berger (1992, p. 146)
- Bakuella walibonensis* Song, Wilbert & Berger, 1992 in Berger (2006, p. 581)
- Bakuellidae Jankowski, 1979 in Berger (2006, p. 527)
- Balanion planctonicum* (Foissner, Oleksiv & Müller, 1990) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 369) and in Foissner, Berger & Schaumburg (1999, p. 363)
- Balantidion* Eberhard, 1862 in Foissner, Berger & Schaumburg (1999, p. 252)
- Balantidion pellucidum* Eberhard, 1862 in Foissner, Berger & Schaumburg (1999, p. 252)
- Balladinopsis nuda* Ghosh, 1921 in Berger (1999, p. 893, as species indeterminate).
- Beggiato alba* (Vaucher, 1803) Trevisan, 1845 in Berger, Foissner & Kohmann (1997, p. 45) (Bacteria)
- Belonophrya pelagica* Andre, 1914 in Foissner, Berger & Schaumburg (1999, p. 124)
- Bergeriella* in Huang, Chen, Song & Berger (2014, p. 344)
- Bicoronella* Foissner, 1995 in Berger (2006, p. 736)
- Bicoronella costaricana* Foissner, 1995 in Berger (2006, p. 736)
- Bibolosticha* Berger, 2003 in Berger (2006, p. 1176)
- Bibolosticha arenicola* (Dragesco, 1963) Berger, 2003 in Berger (2006, p. 1181)
- Bibolosticha discocephalus* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 1178)
- Birojimia* Berger & Foissner, 1989 in Berger (2006, p. 677)
- Birojimia muscorum* (Kahl, 1932) Berger & Foissner, 1989 in Berger (2006, p. 683)
- Birojimia terricola* Berger & Foissner, 1989 in Berger (2006, p. 678)
- Bistichella buitkampii* (Foissner, 1982) Berger, 2008 in Berger (2008, p. 535)
- Bistichella humicola* (Gellért, 1956) Berger, 2008 in Berger (2008, p. 556)
- Bistichella namibiensis* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 538)
- Bistichella proceru* (Berger & Foissner, 1987) Berger, 2008 in Berger (2008, p. 547)
- Bistichella terrestris* (Hemberger, 1985) Berger, 2008 in Berger (2008, p. 554)
- Blepharisma coeruleum* Gajewskaja, 1927 in Foissner, Berger & Kohmann (1992, p. 382)
- Blepharisma lateritium* (Ehrenberg, 1831) Stein, 1859 in Foissner, Berger & Kohmann (1992, p. 384)
- Bodo saltans* Ehrenberg, 1831 in Berger, Foissner & Kohmann (1997, p. 90) (flagellates)
- Bothrostoma undulans* Stokes, 1887 in Foissner, Berger & Kohmann (1992, p. 401)
- Brachonella spiralis* McMurrich, 1884 in Foissner, Berger & Kohmann (1992, p. 401)
- Bryophyllum lingua* Gelei, 1934 in Foissner, Agatha & Berger (2002, p. 345)
- Bryophyllum penardi* Kahl, 1931 in Foissner, Agatha & Berger (2002, p. 350)
- Bursaria truncatella* Mueller, 1773 in Foissner, Blatterer, Berger & Kohmann (1991, p. 424)
- Bursaria vorax* Ehrenberg, 1831 in Berger (2006, p. 1048, as synonym)
- Bursaridium pseudobursaria* (Faure-Fremiet, 1924) Kahl, 1927 in Foissner, Blatterer, Berger & Kohmann (1991, p. 433) and in Foissner, Berger & Schaumburg (1999, p. 709)
- Bursellopsis* Corliss, 1960 in Foissner, Berger & Schaumburg (1999, p. 371)
- Bursellopsis nigricans* (Lauterborn, 1894) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 383)
- Bursellopsis nigricans mobilis* (Wang & Nie, 1933) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 387)
- Bursellopsis spumosa* (Schmidt, 1920) Corliss, 1960 in Foissner, Berger & Kohmann (1994, p. 405) and in Foissner, Berger & Schaumburg (1999, p. 372)
- Bursellopsis truncata* (Kahl, 1927) Corliss, 1960 in Foissner, Berger & Schaumburg (1999, p. 391)
- Caenomorpha lauterborni* Kahl, 1927 in Foissner, Berger & Kohmann (1992, p. 424)
- Caenomorpha medusala* Perty, 1852 in Foissner, Berger & Kohmann (1992, p. 424)
- Caenomorpha sapropelica* Kahl, 1927 in Foissner, Berger & Kohmann (1992, p. 424)
- Caenomorpha* spp. in Foissner, Berger & Kohmann (1992, p. 424) and in Berger, Foissner & Kohmann (1997, p. 131)
- Caenomorpha uniserialis* Levander, 1894 in Foissner, Berger & Kohmann (1992, p. 424)
- Calyptotricha lanuginosa* (Penard, 1922) Wilbert & Foissner, 1980 in Foissner, Berger & Kohmann (1994, p. 288)
- Campanella umbellaria* (Linnaeus, 1758) Goldfuss, 1820 in Foissner, Berger & Kohmann (1992, p. 25) and in Berger, Foissner & Kohmann (1997, p. 261)
- Carchesium pectinatum* (Zacharias, 1897) Kahl, 1935 in Foissner, Berger & Kohmann (1992, p. 149)

- Carchesium polypinum* (Linnaeus, 1758) Ehrenberg, 1830 in Foissner, Berger & Kohmann (1992, p. 137) and in Berger, Foissner & Kohmann (1997, p. 257)
- Caudiamphisiella antarctica* (Wilbert & Song, 2005) Berger, 2008 in Berger (2008, p. 129)
- Caudibolosticha* Berger, 2003 in Berger (2006, p. 232) and Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 90)
- Caudibolosticha algivora* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 270)
- Caudibolosticha gracilis* (Foissner, 1982) Berger, 2006 in Berger (2006, p. 266)
- Caudibolosticha interrupta* (Dragesco, 1966) Berger, 2003 in Berger (2006, p. 279)
- Caudibolosticha islandica* (Berger & Foissner, 1989) Berger, 2003 in Berger (2006, p. 252)
- Caudibolosticha multicaudicirrus* (Song & Wilbert, 1989) Berger, 2003 in Berger (2006, p. 276)
- Caudibolosticha navicularum* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 274)
- Caudibolosticha notabilis* (Foissner, 1982) Berger, 2006 in Berger (2006, p. 260)
- Caudibolosticha paranotabilis* (Foissner, Agatha & Berger, 2002) Berger, 2006 in Berger (2006, p. 254)
- Caudibolosticha setifera* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 281)
- Caudibolosticha stueberi* (Foissner, 1987) Berger, 2003 in Berger (2006, p. 235) and Li, Lyu, Fan, Al-Farraj, Shao & Berger (2017, p. 84).
- Caudibolosticha sylvatica* (Foissner, 1982) Berger, 2003 in Berger (2006, p. 239)
- Caudibolosticha tetracirrata* (Buitkamp & Wilbert, 1974) Berger, 2003 in Berger (2006, p. 246)
- Caudibolosticha tetracirrata* sensu Lv et al. (2015) in Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 90).
- Caudibolosticha viridis* (Kahl, 1932) Berger, 2003 in Berger (2006, p. 272)
- Centropyxis aerophila* var. *sphagnicola* Deflandre, 1929 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 160) (Testacea)
- Centropyxis elongata* (Penard, 1890) Thomas, 1959 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 161) (Testacea)
- Centropyxis orbicularis* Deflandre, 1929 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 161) (Testacea)
- Centropyxis sylvatica* (Deflandre, 1929, var.) Bonnet & Thomas, 1955 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 161) (Testacea)
- Ceratidium cuneatum* Ehrenberg, 1838 in Berger (1999, p. 597, as species indeterminata)
- Cercomonas longicauda* Dujardin, 1841 in Berger, Foissner & Kohmann (1997, p. 108) (flagellates)
- Chaenea stricta* (Dujardin, 1841) Foissner, Berger, Blatterer & Kohmann, 1995 in Foissner, Berger, Blatterer & Kohmann (1995, p. 152)
- Chaetospira muelleri* Lachmann, 1856 in Foissner, Blatterer, Berger & Kohmann (1991, p. 213)
- Chaetospira remex* (Hudson, 1875) Kahl, 1932 in Foissner, Blatterer, Berger & Kohmann (1991, p. 216)
- Chilodonella uncinata* (Ehrenberg, 1838) Strand, 1928 in Foissner, Blatterer, Berger & Kohmann (1991, p. 45) and Berger, Foissner & Kohmann (1997, p. 198)
- Chilodontopsis depressa* (Perty, 1852) Blochmann, 1895 in Foissner, Berger & Kohmann (1994, p. 424)
- Chilomonas paramaecium*-Gruppe in Berger, Foissner & Kohmann (1997, p. 99) (flagellates)
- Chlamydonella alpestris* Foissner, 1979 in Foissner, Blatterer, Berger & Kohmann (1991, p. 115)
- Chlamydonellopsis plurivacuolata* Blatterer & Foissner, 1990 in Foissner, Blatterer, Berger & Kohmann (1991, p. 110)
- Chromatium okenii* (Ehrenberg, 1838) Perty, 1852 in Berger, Foissner & Kohmann (1997, p. 40) (Bacteria)
- Chromatium vinosum* (Ehrenberg, 1838) Winogradsky, 1888 in Berger, Foissner & Kohmann (1997, p. 42) (Bacteria)
- Cinetochilum margaritaceum* (Ehrenberg, 1831) Perty, 1849 in Foissner, Berger & Kohmann (1994, p. 249)
- Circinella* Foissner, 1994 in Berger (2011, p. 309)
- Circinella arenicola* Foissner, 1994 in Berger (2011, p. 317)
- Circinella filiformis* (Foissner, 1982) Foissner, 1994 in Berger (2011, p. 333)
- Circinella vetteri* (Berger & Foissner, 1989) Foissner, 1994 in Berger (2011, p. 327)
- Cladomonas fructiculosa* Stein, 1878 in Berger, Foissner & Kohmann (1997, p. 110) (flagellate)
- Cladotricha* Gaievskaja, 1925 in Berger (2011, p. 235)
- Cladotricha australis* Blatterer & Foissner, 1988 in Berger (2011, p. 262)
- Cladotricha edaphoni* Wilbert, 1995 in Berger (2011, p. 263, as synonym)
- Cladotricha halophila* Wilbert, 1995 in Berger (2011, p. 270)
- Cladotricha koltzowii* Gaievskaja, 1925 in Berger (2011, p. 242)
- Cladotricha sagittata* Ruinen, 1938 in Berger (2011, p. 252)
- Cladotricha sigmoidea* Ruinen, 1938 in Berger (2011, p. 254)
- Cladotricha* spec. in Nießen (1984) in Berger (2011, p. 256, 260)
- Climacostomum virens* (Ehrenberg, 1838) Stein, 1859 in Foissner, Berger & Kohmann (1992, p. 394)
- Codonella cratera* (Leidy, 1877) Imhoff, 1885 in Foissner, Blatterer, Berger & Kohmann (1991, p. 183) and in Foissner, Berger & Schaumburg (1999, p. 617)
- Coleps elongatus* Ehrenberg, 1831 in Foissner, Berger & Schaumburg (1999, p. 292)
- Coleps hirtus* (Mueller, 1786) Nitzsch, 1827 in Foissner, Berger & Kohmann (1994, p. 382)
- Coleps hirtus hirtus* (Mueller, 1786) Nitzsch, 1827 in Barth, Tischler, Berger, Schlegel & Berendonk (2008, p. 626)
- Coleps nolandi* Kahl, 1930 in Foissner, Berger & Kohmann (1994, p. 395), Foissner, Berger & Schaumburg (1999, p. 297), and Barth, Tischler, Berger, Schlegel & Berendonk (2008, p. 626)
- Coleps spetai* Foissner, 1984 in Foissner, Berger & Kohmann (1994, p. 400), Foissner, Berger & Schaumburg (1999, p. 288), and Barth, Tischler, Berger, Schlegel & Berendonk (2008, p. 626)
- Coleps* spp. in Berger, Foissner & Kohmann (1997, p. 208)
- Colpidium colpoda* (Losana, 1829) Stein, 1860 in Foissner, Berger & Kohmann (1994, p. 43) and in Berger, Foissner & Kohmann (1997, p. 212)



- Colpidium kleini* Foissner, 1969 in Foissner, Berger & Kohmann (1994, p. 51)
- Colpoda canicola* Kahl, 1935 in Foissner, Agatha & Berger (2002, p. 909)
- Colpoda cucullus* (Mueller, 1773) Gmelin, 1790 in Foissner, Blatterer, Berger & Kohmann (1991, p. 403)
- Colpoda ecaudata* (Liebmann, 1936) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 395)
- Colpoda inflata* (Stokes, 1884) Kahl, 1931 in Foissner, Blatterer, Berger & Kohmann (1991, p. 399)
- Colpoda magna* (Gruber, 1880) Lynn, 1978 in Foissner, Blatterer, Berger & Kohmann (1991, p. 408)
- Colpoda steinii* Maupas, 1883 in Foissner, Blatterer, Berger & Kohmann (1991, p. 390) and in Foissner, Berger & Schaumburg (1999, p. 714)
- Colpodidiidae Foissner, 1995 in Foissner, Agatha & Berger (2002, p. 466)
- Colpodidium* Wilbert, 1982 in Foissner, Agatha & Berger (2002, p. 466)
- Colpodidium (Colpodidium) caudatum* Wilbert, 1982 in Foissner, Agatha & Berger (2002, p. 470)
- Coniculostomum* Njine, 1979 in Berger & Foissner (1997, p. 149) and in Berger (1999, p. 606)
- Coniculostomum bimarginatum* Kamra, Sapra & Ammermann, 1994 in Berger (1999, p. 620, as synonym)
- Coniculostomum indica* (Sapra & Schlegel, 1987) Berger, 1999 in Berger (1999, p. 620)
- Coniculostomum monilata* (Dragesco & Njine, 1971) Njine, 1979 in Berger (1999, p. 608)
- Corythion dubium* Taranek, 1881 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 171) (Testacea)
- Cossothigma* Jankowski, 1978 in Berger (2008, p. 382)
- Cossothigma dubium* (Dragesco, 1954) Jankowski, 1978 in Berger (2008, p. 383)
- Cothurnia annulata* Stokes, 1885 in Foissner, Berger & Kohmann (1992, p. 251)
- Cotterilia* Foissner & Stoeck, 2011 in Lu, Huang, Shao & Berger (2018, p. 39)
- Ctedoctema acanthocryptum* Stokes, 1884 in Foissner, Berger & Kohmann (1994, p. 294)
- Cryptodifflugia oviformis* Penard, 1890 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 172) (Testacea)
- Cyclidium glaucoma* Mueller, 1773 in Foissner, Berger & Kohmann (1994, p. 300)
- Cyclidium heptatrichum* Schewiakoff, 1893 in Foissner, Berger & Kohmann (1994, p. 311)
- Cyclidium* spp. in Berger, Foissner & Kohmann (1997, p. 240)
- Cyclopyxis eurystoma* (Deflandre, 1929) Deflandre, 1929 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 162) (Testacea)
- Cyclotrichium viride* Gajewskaja, 1933 in Foissner, Berger & Schaumburg (1999, p. 205)
- Cyrtohymena* Foissner, 1989 in Berger & Foissner (1997, p. 145) and Berger (1999, p. 279)
- Cyrtohymena aestuari* (Margalef Lopez, 1945) Berger, 1999 in Berger (1999, p. 308)
- Cyrtohymena australis* Foissner, 1995 in Berger (1999, p. 296)
- Cyrtohymena candens* (Kahl, 1932) Foissner, 1989 in Berger (1999, p. 308)
- Cyrtohymena citrina* (Berger & Foissner, 1987) Foissner, 1989 in Berger (1999, p. 293; 2018, p. 5)
- Cyrtohymena gracilis* (Kahl, 1932) Foissner, 1989 in Berger (1999, p. 305)
- Cyrtohymena granulata* (Kahl, 1932) Foissner, 1989 in Berger (1999, p. 306)
- Cyrtohymena inquieta* (Stokes, 1887) Foissner, 1989 in Berger (1999, p. 313)
- Cyrtohymena marina* (Kahl, 1932) Foissner, 1989 in Berger (1999, p. 323)
- Cyrtohymena muscorum* (Kahl, 1932) Foissner, 1989 in Berger (1999, p. 281)
- Cyrtohymena primicirrata* (Berger & Foissner, 1987) Foissner, 1989 in Berger (1999, p. 300)
- Cyrtohymena quadrinucleata* (Dragesco & Njine, 1971) Foissner, 1989 in Berger (1999, p. 320)
- Cyrtohymena sapropelica* (Kahl, 1932) Foissner, 1989 in Berger (1999, p. 306)
- Cyrtohymena tetracirrata* (Gellért, 1942) Foissner, 1989 in Berger (1999, p. 317)
- Cyrtohymena torrenticola* (Stramek-Husek, 1957) Foissner, 1989 in Berger (1999, p. 307)
- Cyrtolophosis mucicola* Stokes, 1885 in Foissner, Blatterer, Berger & Kohmann (1991, p. 414) and in Foissner, Berger & Schaumburg (1999, p. 718)
- Dendrosoma radians* Ehrenberg, 1837 in Foissner, Berger, Blatterer & Kohmann (1995, p. 423)
- Deviata* Eigner, 1995 in Berger (2011, p. 555)
- Deviata abbrevescens* Eigner, 1995 in Berger (2011, p. 565)
- Deviata bacilliformis* (Gelci, 1954) Eigner, 1995 in Berger (2011, p. 578)
- Deviata brasiliensis* Siqueira-Castro, Paiva & Silva-Neto, 2009 in Berger (2011, p. 590)
- Deviata estevesi* Paiva & Silva-Neto, 2005 in Berger (2011, p. 609)
- Deviata polycirrata* Küppers & Claps, 2010 in Berger (2011, p. 598)
- Deviata quadrinucleata* (Dragesco, 2003) Berger, 2011 in Berger (2011, p. 588)
- Deviata rositae* Küppers, Lopretto & Claps, 2007 in Berger (2011, p. 606)
- Deviata spirostoma* (Aleksperov, 1988) Berger, 2011 in Berger (2011, p. 597)
- Dexiostoma campylum* (Stokes, 1886) Jankowski, 1967 in Foissner, Berger & Kohmann (1994, p. 33) and in Berger, Foissner & Kohmann (1997, p. 216)
- Dexiotricha granulosa* (Kent, 1881) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 240)
- Dexiotrichides centralis* (Stokes, 1885) Kahl, 1931 in Foissner, Berger & Kohmann (1994, p. 266)
- Diaxonella* Jankowski, 1979 in Berger (2006, p. 461) and Huang, Chen, Song & Berger (2014, p. 344)
- Diaxonella pseudorubra* (Kaltenbach, 1960) Berger, 2006 in Berger (2006, p. 463)
- Diaxonella pseudorubra polystyla* (Borror & Wicklow, 1983) Berger, 2006 in Berger (2006, p. 479)

- Diaxonella pseudorubra pseudorubra* (Kaltenbach, 1960) Berger, 2006 in Berger (2006, p. 468)
- Diaxonella pseudorubra pulchra* (Borror, 1972) Berger, 2006 in Berger (2006, p. 479)
- Diaxonella trimarginata* Jankowski, 1979 in Berger (2006, p. 463, as synonym)
- Didinium chlorelligerum* Kahl, 1935 in Foissner, Berger & Schaumburg (1999, p. 167)
- Didinium nasutum* (Mueller, 1773) Stein, 1859 in Foissner, Berger, Blatterer & Kohmann (1995, p. 228) and in Foissner, Berger & Schaumburg (1999, p. 171)
- Diffugia lucida* Penard, 1890 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 163) (Testacea)
- Diffugia* spp. in Berger, Foissner & Kohmann (1997, p. 65) (Testacea)
- Dileptus* Dujardin, 1841 in Berger & Foissner (2014, p. 315)
- Dileptus breviprobovis* Foissner, 1981 in Foissner, Agatha & Berger (2002, p. 367)
- Dileptus margaritifera* (Ehrenberg, 1833) Dujardin, 1841 in Foissner, Berger, Blatterer & Kohmann (1995, p. 185), in Berger, Foissner & Kohmann (1997, p. 176), and in Berger & Foissner (2014, p. 315)
- Dileptus mucronatus* Penard, 1922 in Foissner, Agatha & Berger (2002, p. 370)
- Dipleurostyla acuminata* Roux, 1899 in Berger (1999, p. 893, as species indeterminata)
- Diplites telmatobius* Foissner, 1998 in Foissner, Agatha & Berger (2002, p. 197)
- Diplophrys archeri* Barker, 1868 in Berger, Foissner & Kohmann (1997, p. 63) (Amoebina?)
- Discomorphella pectinata* (Levander, 1894) Corliss, 1960 in Foissner, Berger & Kohmann (1992, p. 451)
- Disematostoma buetschlii* Lauterborn, 1894 in Foissner, Berger & Kohmann (1994, p. 180) and in Foissner, Berger & Schaumburg (1999, p. 409)
- Disematostoma tetraedricum* (Faure-Fremiet, 1924) Kahl, 1931 in Foissner, Berger & Kohmann (1994, p. 185) and in Foissner, Berger & Schaumburg (1999, p. 414)
- Drepanina falcata* Salvi, 1913 in Berger (1999, p. 893, as species indeterminata).
- Drepanomonas revoluta* Penard, 1922 in Foissner, Berger & Kohmann (1994, p. 472)
- Dysteria fluvialtilis* (Stein, 1859) Blochmann, 1895 in Foissner, Blatterer, Berger & Kohmann (1991, p. 125)
- Enchelyomorpha vermicularis* (Smith, 1899) Kahl, 1930 in Foissner, Berger, Blatterer & Kohmann (1995, p. 456)
- Enchelys gasterosteus* Kahl, 1926 in Foissner, Berger, Blatterer & Kohmann (1995, p. 158)
- Enchelyodon elegans* (Kahl, 1926) Kahl, 1930 in Foissner, Berger, Blatterer & Kohmann (1995, p. 155)
- Engelmanniella* Foissner, 1982 in Berger (2011, p. 498)
- Engelmanniella mobilis* (Engelmann, 1862) Foissner, 1982 in Berger (2011, p. 502)
- Epalcxella antiquorum* (Penard, 1922) Corliss, 1960 in Foissner, Berger & Kohmann (1992, p. 440)
- Epalcxella bidens* (Kahl, 1932) Corliss, 1960 in Foissner, Berger & Kohmann (1992, p. 440)
- Epalcxella mirabilis* (Roux, 1899) Corliss, 1960 in Foissner, Berger & Kohmann (1992, p. 440)
- Epalcxella* spp. in Foissner, Berger & Kohmann (1992, p. 440)
- Epalcxella striata* (Kahl, 1926) Corliss, 1960 in Foissner, Berger & Kohmann (1992, p. 440)
- Epenardia myriophylli* (Penard, 1922) Corliss, 1971 in Foissner, Berger & Kohmann (1994, p. 106)
- Epicarbesium pectinatum* (Zacharias, 1897) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 508)
- Epilintes* Stein, 1863 in Berger (2006, p. 1116)
- Epilintes auricularis* (Claparede & Lachmann, 1858) Stein, 1864 in Berger (2006, p. 1119)
- Epilintes caudatus* Lackey, 1961 in Berger (2006, p. 1145, as species indeterminata)
- Epilintes pluvialis* Smith, 1900 in Berger (2006, p. 1142)
- Epilintes tortuosus* Lackey, 1961 in Berger (2006, p. 1145, as species indeterminata)
- Epilintes vermis* Gruber, 1888 in Berger (2006, p. 1143)
- Epilintidae Wicklow & Borror, 1990 in Berger (2006, p. 1113)
- Epistylis alpestris* Foissner, 1978 in Foissner, Agatha & Berger (2002, p. 560)
- Epistylis anastatica* (Linnaeus, 1767) Ehrenberg, 1830 in Foissner, Berger & Schaumburg (1999, p. 515)
- Epistylis chrysemidis* Bishop & Jahn, 1941 in Foissner, Berger & Kohmann (1992, p. 182)
- Epistylis coronata* Nusch, 1970 in Foissner, Berger & Kohmann (1992, p. 188)
- Epistylis digitalis* (Linnaeus, 1758) Ehrenberg, 1830 in Foissner, Berger & Kohmann (1992, p. 212) and in Foissner, Berger & Schaumburg (1999, p. 523)
- Epistylis entzii* Stiller, 1935 in Foissner, Berger & Kohmann (1992, p. 190)
- Epistylis galea* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 196)
- Epistylis hentscheli* Kahl, 1935 in Foissner, Berger & Kohmann (1992, p. 201)
- Epistylis nympharum* Engelmann, 1862 in Foissner, Berger & Kohmann (1992, p. 217)
- Epistylis plicatilis* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 205) and in Berger, Foissner & Kohmann (1997, p. 263)
- Epistylis procumbens* Zacharias, 1897 in Foissner, Berger & Kohmann (1992, p. 221) and in Foissner, Berger & Schaumburg (1999, p. 527)
- Epistylis pygmaeum* (Ehrenberg, 1838) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 535)
- Erimophrya* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 577)
- Erimophrya arenicola* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 586)
- Erimophrya glatzeli* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 579)
- Erimophrya quadrinucleata* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005 in Berger (2008, p. 595)
- Erimophrya sylvatica* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005 in Berger (2008, p. 590)
- Eschaneustyla* Stokes, 1886 in Berger (2006, p. 1146)
- Eschaneustyla brachytone* Stokes, 1886 in Berger (2006, p. 1148)

- Eschaneustyla lugeri* Foissner, Agatha & Berger, 2002 in Berger (2006, p. 1161)
- Eschaneustyla terricola* Foissner, 1982 in Foissner, Agatha & Berger (2002, p. 578) and in Berger (2006, p. 1150)
- Euglypha cristata* Leidy, 1874 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 172) (Testacea)
- Euglypha rotunda* Wailes & Penard, 1911 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 174) (Testacea)
- Euglypha* spp. in Berger, Foissner & Kohmann (1997, p. 70) (Testacea)
- Euglypha strigosa* (Ehrenberg, 1872) Leidy, 1878 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 174) (Testacea)
- Euplotes aediculatus* Pierson, 1943 in Foissner, Blatterer, Berger & Kohmann (1991, p. 352)
- Euplotes affinis* (Dujardin, 1841) Kahl, 1932 in Foissner, Blatterer, Berger & Kohmann (1991, p. 340) and Berger, Foissner & Kohmann (1997, p. 158)
- Euplotes eurystomus* Wrzesniowski, 1870 in Foissner, Blatterer, Berger & Kohmann (1991, p. 357)
- Euplotes moebiusi* Kahl, 1932 in Foissner, Blatterer, Berger & Kohmann (1991, p. 347)
- Euplotes patella* Müller, 1773) Ehrenberg, 1831 in Foissner, Blatterer, Berger & Kohmann (1991, p. 362) and in Berger, Foissner & Kohmann (1997, p. 158)
- Fragmocirrus* Foissner, 2000 in Berger (2011, p. 455)
- Fragmocirrus espeletiae* Foissner, 2000 in Berger (2011, p. 456)
- Frontonia* Ehrenberg, 1838 in Foissner, Agatha & Berger (2002, p. 502)
- Frontonia acuminata* (Ehrenberg, 1833) Bütschli, 1889 in Foissner, Berger & Kohmann (1994, p. 155) and in Berger, Foissner & Kohmann (1997, p. 226)
- Frontonia angusta* Kahl, 1931 in Foissner, Berger & Kohmann (1994, p. 160) and in Foissner, Agatha & Berger (2002, p. 503)
- Frontonia atra* (Ehrenberg, 1833) Bütschli, 1889 in Foissner, Berger & Kohmann (1994, p. 164)
- Frontonia leucas* (Ehrenberg, 1833) Ehrenberg, 1838 in Foissner, Berger & Kohmann (1994, p. 169) and in Foissner, Berger & Schaumburg (1999, p. 416)
- Frontonia terricola* Foissner, 1987 in Foissner, Agatha & Berger (2002, p. 518)
- Furgasonia* Jankowski, 1964 in Foissner, Agatha & Berger (2002, p. 455)
- Furgasoniidae Corliss, 1979 in Foissner, Agatha & Berger (2002, p. 455)
- Fusarium aquaeductuum* (Radlkofer & Rabenhorst, 1863) Saccardo, 1892 in Berger, Foissner & Kohmann (1997, p. 55) (fungi)
- Fuscheria terricola* Berger, Foissner & Adam, 1983 in Foissner, Agatha & Berger (2002, p. 191)
- Gajewskaophrya melosirae* (Gajewska, 1933) Matthes, 1988 in Foissner, Berger & Schaumburg (1999, p. 725)
- Gastronauta clatratus* Deroux, 1976 in Foissner, Blatterer, Berger & Kohmann (1991, p. 102)
- Gastronauta membranaceus* Bütschli, 1889 in Foissner, Blatterer, Berger & Kohmann (1991, p. 106)
- Gastrostyla* Engelmann, 1862 in Berger (1999, p. 789) and in Foissner, Agatha & Berger (2002, p. 720)
- Gastrostyla dorsicirrata* Foissner, 1982 in Berger (1999, p. 803)
- Gastrostyla hebbalica* Rajasekarasetty & Kastury Bai, 1961 in Berger (1999, p. 824, as synonym)
- Gastrostyla minima* Hemberger, 1985 in Berger (1999, p. 810)
- Gastrostyla mystacea* (Stein, 1859) Sterki, 1878 in Foissner, Blatterer, Berger & Kohmann (1991, p. 270), Berger (1999, p. 808), and in Foissner, Agatha & Berger (2002, p. 724; as *Gastrostyla (Spetastyla) mystacea*)
- Gastrostyla parasteinii* Small & Lynn, 1985 in Berger (1999, p. 791, as synonym)
- Gastrostyla philippinensis* Shibuya, 1931 in Berger (1999, p. 791, as synonym)
- Gastrostyla pulchra* (Pereyaslawzewa, 1886) Kahl, 1932 in Berger (1999, p. 818)
- Gastrostyla setifera* (Engelmann, 1862) Kent, 1882 in Berger (1999, p. 816)
- Gastrostyla steinii* Engelmann, 1862 in Foissner, Blatterer, Berger & Kohmann (1991, p. 272) and Berger (1999, p. 791)
- Gastrostyla stenocephala* (Borrór, 1963) Borrór, 1972 in Berger (1999, p. 822) and in Shao, Song & Berger (2011, p. 268; as *Hemigastrostyla stenocephala*).
- Gastrostyla sterki* Wallengren, 1900 in Berger (1999, p. 818, as synonym)
- Gastrostyla vorax* Nussbaum, 1886 in Berger (1999, p. 792, as synonym)
- Glaucoma reniforme* Schewiakoff, 1892 in Foissner, Berger & Kohmann (1994, p. 103)
- Glaucoma scintillans* Ehrenberg, 1830 in Foissner, Berger & Kohmann (1994, p. 92) and in Berger, Foissner & Kohmann (1997, p. 219)
- Gonostomatidae Small & Lynn, 1985 in Berger (2011, p. 51)
- Gonostomoides* Foissner, 2016 in Lu, Huang, Shao & Berger (2018, p. 39)
- Gonostomum* Sterki, 1878 in Berger & Foissner (1997, p. 145), Berger (1999, p. 367; 2011, p. 58), and Lu, Huang, Shao & Berger (2018, p. 39)
- Gonostomum affine* (Stein, 1859) Sterki, 1878 in Berger (1999, p. 269; 2011, p. 68) and Foissner, Stoeck, Schmidt & Berger (2001, p. 91)
- Gonostomum albicarpathicum* Vdacny & Tirjaková, 2006 in Berger (2011, p. 135)
- Gonostomum algicola* Gellert, 1942 in Foissner, Agatha & Berger (2002, p. 799) and in Berger (2011, p. 116)
- Gonostomum algicola* Gellert, 1942 in Berger (1999, as synonym)
- Gonostomum andoi* Shibuya, 1929 in Berger (1999, p. 370; 2011, p. 146, as synonym)
- Gonostomum bryonicolum* Gellert, 1956 in Berger (1999, p. 370, as synonym)
- Gonostomum ciliophorum* Gellert, 1956 in Berger (1999, p. 370; 2011, p. 68, as synonym)
- Gonostomum geleii* Gellert, 1957 in Berger (1999, p. 370; 2011, p. 68, as synonym)
- Gonostomum gonostomoides* (Hemberger, 1985) Berger, 1999 in Berger (1999, p. 392; 2011, p. 158)
- Gonostomum kuehnelti* Foissner, 1987 in Berger (1999, p. 391; 2011, p. 109)
- Gonostomum namibiense* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 140)
- Gonostomum parvum* Lepsi, 1947 in Berger (1999, p. 393, as species indeterminata)

- Gonostomum singhii* Kamra, Kumar & Sapra, 2008 in Berger (2001, p. 69, as synonym)
- Gonostomum* sp. 1 in Shin (1994) in Berger (2011, p. 166)
- Gonostomum spirotrichoides* Gellért, 1956 in Berger (1999, p. 370; 2011, p. 68, as synonym)
- Gonostomum strenuum* (Engelmann, 1862) Sterki, 1878 in Berger (1999, p. 384; 2011, p. 146), Foissner, Stoeck, Schmidt & Berger (2001, p. 92), and in Foissner, Agatha & Berger (2002, p. 815)
- Gonostomum terrestre* (Aleksperov, 2005) Berger, 2011 in Berger (2011, p. 164)
- Halteria bifurcata* Tamar, 1968 in Foissner, Berger & Schaumburg (1999, p. 554)
- Halteria chlorelligera* Kahl, 1932 in Foissner, Blatterer, Berger & Kohmann (1991, p. 134)
- Halteria grandinella* (Müller, 1773) Dujardin, 1841 in Foissner, Blatterer, Berger & Kohmann (1991, p. 137), in Berger, Foissner & Kohmann (1997, p. 169), and in Foissner, Berger & Schaumburg (1999, p. 559)
- Hastatella radians* Erlanger, 1890 in Foissner, Berger & Kohmann (1992, p. 295) and in Foissner, Berger & Schaumburg (1999, p. 460)
- Hausmanniella patella* (Kahl, 1931) Foissner, 1984 in Foissner, Agatha & Berger (2002, p. 925)
- Heliobrya minima* (Rieder, 1936) Foissner, 1988 in Foissner, Berger, Blatterer & Kohmann (1995, p. 438)
- Heliobrya rotunda* (Hentschel, 1916) Matthes, 1954 in Foissner, Berger, Blatterer & Kohmann (1995, p. 428)
- Hemiamphisiella* Foissner, 1988 in Berger (2008, p. 288)
- Hemiamphisiella granulifera* (Foissner, 1987) Foissner, 1988 in Berger (2008, p. 315)
- Hemiamphisiella quadrinucleata* (Foissner, 1984) Foissner, 1988 in Berger (2008, p. 318)
- Hemiamphisiella terricola* Foissner, 1988 in Berger (2008, p. 294)
- Hemiamphisiella terricola terricola* Foissner, 1988 in Berger (2008, p. 296)
- Hemiamphisiella terricola qingdaoensis* (Song & Wilbert, 1989) Berger, 2008 in Berger (2008, p. 310)
- Hemiamphisiella wilberti* (Foissner, 1982) Foissner, 1988 in Berger (2008, p. 311)
- Hemicyclostyla* Stokes, 1886 in Berger (2006, p. 811)
- Hemicyclostyla concha* (Entz, 1884) Kahl, 1932 in Berger (2006, p. 818)
- Hemicyclostyla lacustris* Gellert & Tamas, 1958 in Berger (2006, p. 817)
- Hemicyclostyla marina* Kahl, 1932 in Berger (2006, p. 820)
- Hemicyclostyla sphagni* Stokes, 1886 in Berger (2006, p. 814)
- Hemicyclostyla trichota* Stokes, 1886 in Berger (2006, p. 814, as synonym)
- Hemigastrostyla* Song & Wilbert, 1997 in Berger (1999, p. 933) and in Shao, Song & Berger (2011, p. 266)
- Hemigastrostyla enigmatica* (Dragesco & Dragesco-Kernéis, 1986) Song & Wilbert, 1997 in Berger (1999, p. 933) and in Shao, Song & Berger (2011, p. 273)
- Hemisincirra* Hemberger, 1985 in Berger (2008, p. 387)
- Hemisincirra buitkampii* (Jankowski, 1979) Berger, 2008 in Berger (2008, p. 393)
- Hemisincirra gellerti* (Foissner, 1982) Foissner in Berger, 2001 in Berger (2008, p. 424)
- Hemisincirra inquieta* Hemberger, 1985 in Berger & Foissner (1987, p. 207), Berger & Foissner (1989, p. 34), Foissner, Agatha & Berger (2002, p. 860), and in Berger (2008, p. 403)
- Hemisincirra interrupta* (Foissner, 1982) Foissner in Berger, 2001 in Berger (2008, p. 432)
- Hemisincirra namibiensis* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 418)
- Hemisincirra octonucleata* Hemberger, 1985 in Berger (2008, p. 421)
- Hemisincirra quadrinucleata* Hemberger, 1985 in Berger (2008, p. 419)
- Hemisincirra rariseta* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 428)
- Hemisincirra vermicularis* Hemberger, 1985 in Berger (2008, p. 435)
- Hemisincirra wenzeli* Foissner, 1987 in Berger (2008, p. 437)
- Hemiurosoma* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 614)
- Hemiurosoma goertzi* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 628)
- Hemiurosoma polynucleatum* (Foissner, 1984) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 634)
- Hemiurosoma similis* (Foissner, 1982) Foissner, Agatha & Berger, 2002 in Berger (2008, p. 633)
- Hemiurosoma terricola* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 619)
- Heterogonostomum* Kumar & Foissner, 2016 in Lu, Huang, Shao & Berger (2018, p. 39)
- Heterooxytricha gelei* (Wilbert, 1986) Shao, Song, Al-Rasheid & Berger, 2011 in Shao, Song & Berger (2011, p. 278; published in 2012)
- Heterooxytricha szaboi* (Wilbert & Song, 2005) Shao, Song, Al-Rasheid & Berger, 2011 in Shao, Song & Berger (2011, p. 277)
- Hexamitta* spp. in Berger, Foissner & Kohmann (1997, p. 85) (flagellates)
- Hexotricha caudata* Lackey, 1925 in Foissner, Berger & Kohmann (1994, p. 483)
- Histiobalantium bodamicum* Krainer & Müller, 1995 in Foissner, Berger & Schaumburg (1999, p. 424)
- Histriculus* Corliss, 1960 in Berger & Foissner (1997, p. 149) and Berger (1991, p. 645)
- Histriculus cavicola* (Kahl, 1935) Berger & Foissner, 1987 in Berger & Foissner (1987, p. 213)
- Histriculus complanatus* (Stokes, 1887) Corliss, 1960 in Berger (1999, p. 657)
- Histriculus histrio* (Müller, 1773) Corliss, 1960 in Berger (1999, p. 647)
- Histriculus minimus* (Groliere, 1975) Berger & Foissner, 1997 in Berger (1999, p. 658)
- Histriculus muscorum* (Kahl, 1932) in Berger, Foissner & Adam (1985, p. 303)
- Histriculus polycirratu* Agamaliev, 1978 in Berger (1999, p. 666, as species indeterminata)
- Histriculus similis* (Quennerstedt, 1867) Corliss, 1960 in Berger (1999, p. 665)
- Histriculus sphagni* (Stokes, 1891) Corliss, 1960 in Berger (1999, p. 655)

- Histiculus vorax* (Stokes, 1891) Corlis, 1960 in Foissner, Blatterer, Berger & Kohmann (1991, p. 309) and in Berger (1999, p. 659)
- Histrío* Sterki, 1878 in Berger (1999, p. 645, as synonym)
- Histrío acuminatus* Maskell, 1886 in Berger (1999, p. 666, as species indeterminata)
- Histrío erethesticus* Stokes, 1887 in Berger (1999, p. 647, as synonym)
- Histrío hyalinus* Vörösvary, 1950 in Berger (1999, p. 650, as synonym)
- Histrío lemani* Dragesco, 1966 in Berger (1999, p. 791, as synonym)
- Histrío macrostoma* Gellért & Tamás, 1958 in Berger (1999, p. 683, as synonym)
- Histrío steinii* Sterki, 1878 in Berger (1999, p. 647, as synonym)
- Holophrya* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1994, p. 316)
- Holophrya discolor* Ehrenberg, 1833 in Foissner, Berger & Kohmann (1994, p. 328)
- Holophrya ovum* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1994, p. 322)
- Holophrya teres* (Ehrenberg, 1833) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 336)
- Holosticha* Wrzesniowski, 1877 in Berger (2003, p. 373; 2006, p. 88)
- Holosticha aquarumdulcium* Bürger, 1905 in Berger (2006, p. 177, as species indeterminata)
- Holosticha begoniensis* Fernandez-Leborans, 1990 in Berger (2006, p. 182, as species indeterminata)
- Holosticha bradburyae* Gong, Song, Hu, Ma & Zhu, 2001 in Berger (2006, p. 167)
- Holosticha corlissi* Fernandez-Galiano & Calvo, 1992 in Berger (2006, p. 314, as supposed synonym)
- Holosticha coronata* Gourret & Roeser, 1888 in Berger (2008, p. 137, as synonym)
- Holosticha coronata* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha danubialis* Kaltenbach, 1960 in Berger (2006, p. 128, as synonym)
- Holosticha diademata* (Rees, 1884) Kahl, 1932 in Berger (2006, p. 115)
- Holosticha foissneri* Petz, Song & Wilbert, 1995 in Berger (2006, p. 149)
- Holosticha fontinalis* Lepsi, 1926 in Berger (2006, p. 182, as species indeterminata)
- Holosticha gibba* (Müller, 1786) Wrzesniowski, 1877 in Berger (2006, p. 99)
- Holosticha hamulata* Lei, Xu & Choi, 2005 in Berger (2006, p. 1218)
- Holosticha heterofoissneri* Hu & Song, 2001 in Berger (2006, p. 152)
- Holosticha holomilnei* Berger, 2001 in Berger (2006, p. 449, as synonym)
- Holosticha (Keronopsis) globulifera* Kahl, 1932 in Berger (2006, p. 963, as synonym)
- Holosticha (Keronopsis) muscorum* Kahl, 1932 in Berger (2006, p. 317, as synonym)
- Holosticha kessleri* (Wrzesniowski, 1877) Wrzesniowski, 1877 in Foissner, Blatterer, Berger & Kohmann (1991, p. 228)
- Holosticha kessleri aquae-ductis* Buchar, 1957 in Berger (2006, p. 128, as synonym)
- Holosticha longiseta* Lepsi, 1951 in Berger (2006, p. 183, as species indeterminata)
- Holosticha manca mononucleata* Gellért, 1956 in Berger (2006, p. 400, as synonym)
- Holosticha milnei* Kahl, 1932 in Berger (2006, p. 449, as synonym)
- Holosticha minima* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha monilata* Kahl, 1928 in Foissner, Blatterer, Berger & Kohmann (1991, p. 231)
- Holosticha mononucleata* Gelei, 1954 in Berger (1999, p. 492, as synonym)
- Holosticha multistilata* Kahl, 1928 in Foissner, Blatterer, Berger & Kohmann (1991, p. 236)
- Holosticha nagasakiensis* Hu & Suzuki, 2004 in Berger (2006, p. 426, as synonym)
- Holosticha obliqua* Kahl, 1928 in Berger (2006, p. 183, as species indeterminata)
- Holosticha oxytrichoidea* Németh in Gelei, 1950 in Berger (1999, p. 254; 2006, p. 183, as species indeterminata)
- Holosticha pullaster* (Müller, 1773) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 240) and Berger (2006, p. 128)
- Holosticha retrovacuolata* Tucolesco, 1962 in Berger (2006, p. 128, as synonym)
- Holosticha rhomboedrica* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha rhomboedrica elliptica* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha rhomboedrica lata* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha rostrata* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha rostrata pitica* Vucanovici, 1963 in Berger (2006, p. 129, as synonym)
- Holosticha rubra* sensu Wang and Nie (1932) in Berger (2006, p. 926)
- Holosticha salina* Fernandez-Leborans & Novillo, 1993 in Berger (2006, p. 184, as species indeterminata)
- Holosticha simplicis* Wang & Nie, 1932 in Berger (2006, p. 128, as synonym)
- Holosticha spindleri* Petz, Song & Wilbert, 1995 in Berger (2006, p. 163)
- Holosticha sylvatica* Foissner, 1982 in Berger & Foissner (1989, p. 21)
- Holosticha tenuiformis* Vucanovici, 1963 in Berger (2006, p. 186, as species indeterminata)
- Holosticha teredorum* Tucolesco, 1962 in Berger (2006, p. 115, as synonym)
- Holosticha thiophaga* Kahl, 1928 in Berger (2006, p. 115, as synonym)
- Holosticha vesiculata* Vucanovici, 1963 in Berger (2006, p. 186, as species indeterminata)
- Holosticha wrzesniowskii punctata* Rees, 1884 in Berger (2006, p. 187, as species indeterminate)
- Holostichidae Fauré-Fremiet, 1961 in Berger (2006, p. 84)
- Holostichides* Foissner, 1987 in Berger (2006, p. 590)

- Holostichides chardezi* Foissner, 1987 in Berger (2006, p. 594)  
*Holostichides dumonti* Foissner, 2000 in Berger (2006, p. 599)  
*Holostichides typicus* (Song & Wilbert, 1988) Eigner, 1994 in Berger (2006, p. 607)  
*Homalozoon vermiculare* (Stokes, 1887) Stokes, 1890 in Foissner, Berger, Blatterer & Kohmann (1995, p. 219) and in Berger, Foissner & Kohmann (1997, p. 181)  
*Hyalosphenia subflava* Cash & Hopkinson, 1909 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 163) (Testacea)  
*Hypotrichidium conicum* Ilowaisky, 1921 in Foissner, Blatterer, Berger & Kohmann (1991, p. 218) and in Foissner, Berger & Schaumburg (1999, p. 677)  
*Kabliella* Corliss, 1960 in Berger (2011, p. 347)  
*Kabliella acrobates* (Horváth, 1932) Corliss, 1960 in Berger (2011, p. 354)  
*Kabliella bacilliformis* (Gelei, 1954) Corliss, 1960 in Berger & Foissner (1987, p. 197)  
*Kabliella multiseta* Dragesco, 1970 in Berger (2011, p. 367, as synonym)  
*Kabliella simplex* (Horvath, 1934) Corliss, 1960 in Berger & Foissner (1987, p. 201) and in Berger (2011, p. 367)  
Kahliellidae Tuffrau, 1979 in Berger (2011, p. 341)  
*Kablilembus attenuatus* (Smith, 1897) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 237)  
*Kerona* Müller, 1786 in Berger (1999, p. 825)  
*Kerona absidata* Dumas, 1930 in Berger (1999, p. 839, as species indeterminata)  
*Kerona anfracta* Dumas, 1929 in Berger (1999, p. 839, as species indeterminata)  
*Kerona aper* Fromentel, 1876 in Berger (1999, p. 839, as species indeterminata)  
*Kerona arcuata* Dumas, 1929 in Berger (1999, p. 839, as species indeterminata)  
*Kerona becciformis* Dumas, 1929 in Berger (1999, p. 839, as species indeterminata)  
*Kerona bicaudata* Dumas, 1937 in Berger (1999, p. 839, as species indeterminata)  
*Kerona bipes* Dumas, 1937 in Berger (1999, p. 839, as species indeterminata)  
*Kerona calvaeformis* Dumas, 1929 in Berger (1999, p. 839, as species indeterminata)  
*Kerona caudata* Dumas, 1929 in Berger (1999, p. 839, as species indeterminata)  
*Kerona congyrans* Dumas, 1929 in Berger (1999, p. 839, as species indeterminata)  
*Kerona cuneata* Dumas, 1930 in Berger (1999, p. 840, as species indeterminata)  
*Kerona curvata* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona curvata* Dumas, 1930 in Berger (1999, p. 840, as species indeterminata)  
*Kerona cylindrica* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona diademata* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona dubius* Fromentel, 1876 in Berger (1999, p. 504, as synonym)  
*Kerona elongata* Fromentel, 1876 in Berger (1999, p. 840, as species indeterminata)  
*Kerona epalxiformis* Dumas, 1937 in Berger (1999, p. 840, as species indeterminata)  
*Kerona extuberans* Dumas, 1930 in Berger (1999, p. 840, as species indeterminata)  
*Kerona lacerata* Fromentel, 1876 in Berger (1999, p. 840, as species indeterminata)  
*Kerona mamillata* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona mamillata* Dumas, 1937 in Berger (1999, p. 840, as species indeterminata)  
*Kerona oblonga* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona ondulata* Dumas, 1930 in Berger (1999, p. 840, as species indeterminata)  
*Kerona ovata* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona pediculus* (Müller, 1773) Blochmann, 1886 in Foissner, Blatterer, Berger & Kohmann (1991, p. 265) and in Berger (1999, p. 826)  
*Kerona polyporum* Ehrenberg, 1835 in Berger (1999, p. 826, as synonym)  
*Kerona rastellum* Müller, 1786 in Berger (1999, p. 840, as species indeterminata)  
*Kerona rostrata* Dumas, 1937 in Berger (1999, p. 840, as species indeterminata)  
*Kerona subrotundata* Dumas, 1930 in Berger (1999, p. 840, as species indeterminata)  
*Kerona tremula* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona triangularis* Fromentel, 1876 in Berger (1999, p. 840, as species indeterminata)  
*Kerona truncata* Dumas, 1929 in Berger (1999, p. 840, as species indeterminata)  
*Kerona unguicularis* Dumas, 1937 in Berger (1999, p. 840, as species indeterminata)  
*Keronella* Wiackowski, 1985 in Berger (2006, p. 1020)  
*Keronella gracilis* Wiackowski, 1985 in Berger (2006, p. 1023)  
Keronopsidae Jankowski, 1979 in Park, Chae, Jung, Min, Kim & Berger (2017, p. 115)  
*Keronopsis arenivorus* Dragesco, 1954 in Berger (2006, p. 968, as synonym)  
*Keronopsis clavata* Vuxanovici, 1963 in Berger (2006, p. 978, as supposed synonym)  
*Keronopsis gracilis* Kahl, 1932 sensu Dragesco (1965) in Berger (2006, p. 432)  
*Keronopsis belluo* Penard, 1922 in Park, Chae, Jung, Min, Kim & Berger (2017, p. 106)  
*Keronopsis litoralis* Gellért & Tamás, 1958 in Berger (2006, p. 128, as synonym)  
*Keronopsis macrostoma* Dragesco, 1963 in Berger (2006, p. 208, as supposed synonym)  
*Keronopsis macrostoma* Reuter, 1963 in Berger (2006, p. 317, as synonym)  
*Keronopsis multiplex* Ozaki & Yagiu, 1943 in Berger (2006, p. 1007, as synonym)  
*Keronopsis wetzeli* Wenzel, 1953 in Berger & Foissner (1987, p. 203)  
*Kuklikophrya ougandae* (Dragesco, 1972) Foissner, 1993 in Foissner, Agatha & Berger (2002, p. 1003)

- Lacrymaria olor* (Müller, 1786) Bory de Saint-Vincent, 1824 in Foissner, Berger, Blatterer & Kohmann (1995, p. 163) and in Berger, Foissner & Kohmann (1997, p. 184)
- Lagenophrys vaginicola* Stein, 1852 in Foissner, Berger & Kohmann (1992, p. 256)
- Lagynophrya acuminata* Kahl, 1935 in Foissner, Berger, Blatterer & Kohmann (1995, p. 178) and in Foissner, Berger & Schaumburg (1999, p. 258)
- Lagynus elegans* (Engelmann, 1862) Quennerstedt, 1867 in Foissner, Berger, Blatterer & Kohmann (1995, p. 173)
- Lamtostyla Buitkamp*, 1977 in Berger & Foissner (1988, p. 114) and in Berger (2008, p. 161)
- Lamtostyla australis* (Blatterer & Foissner, 1988) Petz & Foissner, 1996 in Berger (2008, p. 169)
- Lamtostyla decorata* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 212)
- Lamtostyla edaphoni* Berger & Foissner, 1987 in Berger & Foissner (1988, p. 124)
- Lamtostyla elegans* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 192)
- Lamtostyla granulifera* Foissner, 1997 in Berger (2008, p. 206)
- Lamtostyla hyalina* (Berger, Foissner & Adam, 1984) Berger & Foissner, 1987 in Berger & Foissner (1988, p. 126)
- Lamtostyla islandica* Berger & Foissner, 1988 in Berger (2008, p. 196)
- Lamtostyla lamottei* Buitkamp, 1977 in Berger & Foissner (1988, p. 122) and in Berger (2008, p. 167)
- Lamtostyla longa* (Hemberger, 1985) Berger & Foissner, 1988 in Berger & Foissner (1988, p. 116) and Berger (2008, p. 218)
- Lamtostyla perisincirra* (Hemberger, 1985) Berger & Foissner, 1987 in Berger & Foissner (1988, p. 119) and in Berger (2008, p. 200)
- Lamtostyla procera* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 183)
- Lamtostyla quadrinucleata* (Berger & Foissner, 1989) Berger, 2008 in Berger (2008, p. 190)
- Lamtostyla raptans* (Hemberger, 1985) Foissner, 1997 in Berger (2008, p. 221)
- Lamtostyla vitiphila* (Foissner, 1987) Berger, 2008 in Berger (2008, p. 187)
- Lamtostylides edaphoni* (Berger & Foissner, 1987) Berger, 2008 in Berger (2008, p. 324)
- Lamtostylides halophilus* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 336)
- Lamtostylides hyalinus* (Berger, Foissner & Adam, 1984) Berger, 2008 in Berger (2008, p. 347)
- Lamtostylides kirkeniensis* (Berger & Foissner, 1988) Berger, 2008 in Berger (2008, p. 333)
- Lamtostylides pori* (Wilbert & Kahan, 1986) Berger, 2008 in Berger (2008, p. 344)
- Laurentia acuminata* Fedriani, Martin & Pérez-Silva, 1976 in Berger (1999, p. 753, as synonym)
- Laurentiella* Dragesco & Njine, 1971 in Berger (1999, p. 752)
- Laurentiella (Laurosticha)* Jankowski, 1979 in Berger (1999, p. 606, as synonym)
- Laurentiella macrostoma* Dragesco, 1966 in Berger (1999, p. 753, as synonym)
- Laurentiella strenua* (Dingfelder, 1962) Berger & Foissner, 1989 in Berger (1999, p. 753)
- Lembdion bullinum* (Mueller, 1786) Perty, 1849 in Foissner, Berger & Kohmann (1994, p. 212)
- Lembadion lucens* (Maskell, 1887) Kahl, 1931 in Foissner, Berger & Kohmann (1994, p. 205)
- Lembadion magnum* (Stokes, 1887) Kahl, 1931 in Foissner, Berger & Kohmann (1994, p. 219)
- Lepidotrachelophyllum lineare* (Lepsi, 1960) Foissner, 1994 in Foissner, Berger & Schaumburg (1999, p. 262)
- Leptomitius lacteus* (Roth, 1809) Agardh, 1824 in Berger, Foissner & Kohmann (1997, p. 52) (fungi)
- Leptopharynx costatus* Mermod, 1914 in Foissner, Berger & Kohmann (1994, p. 460)
- Liliomorpha viridis* Gajevskaja, 1928 in Foissner, Berger & Schaumburg (1999, p. 164)
- Limnostrombidium pelagicum* (Kahl, 1932) Krainer, 1995 in Foissner, Berger & Schaumburg (1999, p. 574)
- Limnostrombidium viride* (Stein, 1867) Krainer, 1995 in Foissner, Berger & Schaumburg (1999, p. 577)
- Linostoma vorticella* (Ehrenberg, 1833) Jankowski, 1978 in Foissner, Berger & Kohmann (1992, p. 390)
- Linostomella vorticella* (Ehrenberg, 1833) Aescht in Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 655)
- Litonotus alpestris* Foissner, 1978 in Foissner, Berger, Blatterer & Kohmann (1995, p. 309)
- Litonotus crystallinus* (Vuxanovici, 1960) Foissner, Berger, Blatterer & Kohmann, 1995 in Foissner, Berger, Blatterer & Kohmann (1995, p. 315)
- Litonotus cygnus* (Müller, 1773) Foissner, Berger, Blatterer & Kohmann, 1995 in Foissner, Berger, Blatterer & Kohmann (1995, p. 318) and Berger, Foissner & Kohmann (1997, p. 189)
- Litonotus fusidens* (Kahl, 1926) Foissner, Berger, Blatterer & Kohmann, 1995 in Foissner, Berger, Blatterer & Kohmann (1995, p. 326)
- Litonotus lamella* (Müller, 1773) Foissner, Berger, Blatterer & Kohmann, 1995 in Foissner, Berger, Blatterer & Kohmann (1995, p. 329) and in Berger, Foissner & Kohmann (1997, p. 192)
- Litonotus varsaviensis* (Wrzesniowski, 1866) Wrzesniowski, 1870 in Foissner, Berger, Blatterer & Kohmann (1995, p. 337)
- Longitricha puytoraci* (Dragesco, Iftode & Fryd-Versavel, 1974) Foissner & Pfister, 1997 in Foissner, Berger & Schaumburg (1999, p. 368)
- Loxocephalus luridus* Eberhard, 1862 in Foissner, Berger & Kohmann (1994, p. 245)
- Laxodes magnus* Stokes, 1887 in Foissner, Berger, Blatterer & Kohmann (1995, p. 378)
- Laxodes rostrum* (Mueller, 1773) Ehrenberg, 1830 in Foissner, Berger, Blatterer & Kohmann (1995, p. 378)
- Laxodes striatus* (Engelmann, 1862) Penard, 1917 in Foissner, Berger, Blatterer & Kohmann (1995, p. 378)
- Laxophyllum helus* (Stokes, 1884) Penard, 1922 in Foissner, Berger, Blatterer & Kohmann (1995, p. 364)
- Laxophyllum meleagris* (Müller, 1773) Dujardin, 1841 in Foissner, Berger, Blatterer & Kohmann (1995, p. 354) and in Berger, Foissner & Kohmann (1997, p. 195)
- Laxophyllum utriculariae* (Penard, 1922) Kahl, 1926 in Foissner, Berger, Blatterer & Kohmann (1995, p. 369)

- Maregastróstyla pulchra* (Pereyaslawzewa, 1886) Berger, 2008 in Berger (2008, p. 137)
- Maritínia pelágica* Gajewskaja, 1928 in Foissner, Berger & Kohmann (1994, p. 195) and in Foissner, Berger & Schaumburg (1999, p. 431)
- Maryna lichenicola* (Gelei, 1950) Foissner, 1993 in Foissner, Agatha & Berger (2002, p. 928)
- Maryna minima* (Gelei, 1950) Foissner, 1993 in Foissner, Agatha & Berger (2002, p. 932)
- Maryna umbrellata* (Gelei, 1950) Foissner, 1993 in Foissner, Agatha & Berger (2002, p. 945)
- Meseres corlissi* Petz & Foissner, 1992 in Weisse, Strüder-Kypke, Berger & Foissner (2008, p. 257)
- Mesodinium acarus* Stein, 1867 in Foissner, Berger, Blatterer & Kohmann (1995, p. 257) and in Foissner, Berger & Schaumburg (1999, p. 135)
- Mesodinium pulex* (Claparede & Lachmann, 1859) Stein, 1867 in Foissner, Berger, Blatterer & Kohmann (1995, p. 260) and in Foissner, Berger & Schaumburg (1999, p. 139)
- Metabakuella* Alekperov, 1989 in Berger (2006, p. 1033)
- Metabakuella bimarginata* Franco, Esteban & Téllez, 1996 in Berger (2006, p. 1038)
- Metabakuella perbella* (Alekperov & Musayev, 1988) Alekperov, 1989 in Berger (2006, p. 1035)
- Metacinetá cuspidata* (Kellicott, 1885) Matthes, 1988 in Foissner, Berger, Blatterer & Kohmann (1995, p. 488)
- Metacinetá mystacina* (Ehrenberg, 1831) Buetschli, 1889 in Foissner, Berger, Blatterer & Kohmann (1995, p. 481)
- Metagonostomum* Foissner, 2016 in Lu, Huang, Shao & Berger (2018, p. 39)
- Metastrongylidium* Xu & Lei, 2007 in Berger (2008, p. 148, as synonym)
- Metastrongylidium distichum* Xu & Lei, 2007 in Berger (2008, p. 150; junior objective synonym of *Spiroamphisiella hembergeri*)
- Metaurostýla polonica* Jankowski, 1979 in Berger (2006, p. 1041, 1050, as synonym)
- Metaurostýla thompsoni* Jankowski, 1979 in Berger (2006, p. 662, as supposed synonym)
- Metaurostýlopsi*s Song, Petz & Warren, 2001 in Berger (2006, p. 637)
- Metaurostýlopsi*s flavicana Wang et al., 2011 in Huang, Chen, Song & Berger (2014, p. 344)
- Metaurostýlopsi*s rubra Song & Wilbert, 2002 in Berger (2006, p. 663)
- Metaurostýlopsi*s salina Lei, Choi, Xu & Petz, 2005 in Berger (2006, p. 668)
- Metaurostýlopsi*s songi Lei, Choi, Xu & Petz, 2005 in Berger (2006, p. 672)
- Metaurostýlopsi*s thompsoni Jankowski, 1979 in Berger (2006, p. 662)
- Metaurostýlopsi*s marina (Kahl, 1932) Song, Petz & Warren, 2001 in Berger (2006, p. 643)
- Metopus contortus* (Quennerstedt, 1867) Kahl, 1932 in Foissner, Agatha & Berger (2002, p. 889)
- Metopus es* (Mueller, 1776) Lauterborn, 1916 in Foissner, Berger & Kohmann (1992, p. 400)
- Metopus fuscus* Kahl, 1927 in Foissner, Berger & Kohmann (1992, p. 400)
- Metopus gibbus* Kahl, 1927 in Foissner, Agatha & Berger (2002, p. 875)
- Metopus minor* Kahl, 1927 in Foissner, Agatha & Berger (2002, p. 882)
- Metopus ovalis* Kahl, 1927 in Foissner, Berger & Kohmann (1992, p. 401)
- Metopus palaeformis* Kahl, 1927 in Foissner, Agatha & Berger (2002, p. 885)
- Metopus spinosus* Kahl, 1927 in Foissner, Berger & Kohmann (1992, p. 401)
- Metopus* spp. sensu lato in Foissner, Berger & Kohmann (1992, p. 400) and in Berger, Foissner & Kohmann (1997, p. 134)
- Micromitra brevicauda* Kahl, 1933 in Berger (2006, p. 223, as synonym)
- Microthorax pusillus* Engelmann, 1862 in Foissner, Berger & Kohmann (1994, p. 478)
- Mitra radiosa* Quennerstedt, 1867 in Berger (2006, p. 222, as synonym)
- Monilicaryon monilatus* (Stokes, 1886) Jankowski, 1967 in Foissner, Berger, Blatterer & Kohmann (1995, p. 199)
- Monocornella* in Huang, Chen, Song & Berger (2014, p. 344)
- Monodinium alveolatum* (Kahl, 1930) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 178)
- Monodinium balbianii* Fabre-Domergue, 1888 in Foissner, Berger, Blatterer & Kohmann (1995, p. 235)
- Monodinium balbiani rostratum* (Kahl, 1926) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 196)
- Monodinium chlorelligerum* Krainer, 1995 in Foissner, Berger & Schaumburg (1999, p. 198)
- Monodinium perrieri* Delphy, 1925 in Foissner, Berger & Schaumburg (1999, p. 202)
- Mucophrya pelágica* Gajewskaja, 1928 in Foissner, Berger & Schaumburg (1999, p. 723)
- Mucotrichidium* Foissner, Oleksiv & Müller, 1990 in Berger (2008, p. 440)
- Mucotrichidium hospes* (Ehrenberg, 1831) Foissner, Oleksiv & Müller, 1990 in Berger (2008, p. 441)
- Nassula* Ehrenberg, 1834 in Foissner, Agatha & Berger (2002, p. 411)
- Nassula exigua* Kahl, 1931 in Foissner, Agatha & Berger (2002, p. 422)
- Nassula longinassa* Foissner, 1980 in Foissner, Agatha & Berger (2002, p. 414)
- Nassula ornata* Ehrenberg, 1833 in Foissner, Berger & Kohmann (1994, p. 436)
- Nassula parva* Kahl, 1928 in Foissner, Agatha & Berger (2002, p. 417)
- Nassula picta* Greeff, 1888 in Foissner, Berger & Kohmann (1994, p. 445)
- Nassulidae Fromentel, 1874 in Foissner, Agatha & Berger (2002, p. 409)
- Nassulopsis elegans* (Ehrenberg, 1833) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 430)
- Naxella* Fryd-Versavel, Iftode & Deroux, 1980 in Foissner, Agatha & Berger (2002, p. 412)
- Nebela parvula* Cash & Hopkinson, 1909 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 166) (Testacea)



- Nebela tincta* (Leidy, 1879) Awerintzew, 1906 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 166) (Testacea)
- Neogeneia costata* (Kahl, 1932) Eigner, 1995 in Berger (2011, p. 494)
- Neogeneia* Eigner, 1995 in Berger (2011, p. 481)
- Neogeneia hortualis* Eigner, 1995 in Berger (2011, p. 483)
- Neokeronopsis* Warren, Fyda & Song, 2002 in Berger (2006, p. 1190)
- Neokeronopsis spectabilis* (Kahl, 1932) Warren, Fyda & Song, 2002 in Berger (2006, p. 1191)
- Neourostylopsis* in Huang, Chen, Song & Berger (2014, p. 344)
- Neowallackia* Berger, 2011 in Lu, Huang, Shao & Berger (2018, p. 39)
- Neowallackia franzi* (Foissner, 1982) Berger, 2011 in Berger (2011, p. 281)
- Neowallackia ghangriai* (Kamra, Kumar & Sapra, 2008) Berger, 2011 in Berger (2011, p. 295)
- Neowallackia petergofi* (Aleksperov, 2005) Berger, 2011 in Berger (2011, p. 298)
- "New Genus" by Conn (1905) in Berger (2011, p. 396)
- Nivaliella plana* Foissner, 1980 in Foissner, Agatha & Berger (2002, p. 954)
- Notbopleurotricha* Diesing, 1866 in Berger (1999, p. 789, as synonym)
- Notocephalus* Petz, Song & Wilbert, 1995 in Berger (2006, p. 1169)
- Notocephalus parvulus* (Corliss & Snyder, 1986) Petz, Song & Wilbert, 1995 in Berger (2006, p. 1170)
- Notobymena* Blatterer & Foissner, 1988 in Berger & Foissner (1997, p. 146) and in Berger (1999, p. 324)
- Notobymena antarctica* Foissner, 1996 in Berger (1999, p. 334)
- Notobymena australis* (Foissner & O'Donoghue, 1990) Berger, 1999 in Berger (1999, p. 340)
- Notobymena rubescens* Blatterer & Foissner, 1988 in Berger (1999, p. 325)
- Notobymena selvatica* (Hemberger, 1985) Blatterer & Foissner, 1988 in Berger (1999, p. 344)
- Nudiampphiella* Foissner, Agatha & Berger, 2008 in Berger (2008, p. 560)
- Nudiampphiella illuvialis* (Eigner & Foissner, 1994) Berger, 2008 in Berger (2008, p. 569)
- Nudiampphiella interrupta* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 562)
- Obertruria* Foissner & Adam, 1981 in Foissner, Agatha & Berger (2002, p. 412)
- Obertruria aurea* (Ehrenberg, 1833) Foissner, 1987 in Foissner, Berger & Kohmann (1994, p. 451) and in Foissner, Berger & Schaumburg (1999, p. 700)
- Odontochlamys* Certes, 1891 in Foissner, Agatha & Berger (2002, p. 389)
- Odontochlamys alpestris* Foissner, 1981 in Foissner, Blatterer, Berger & Kohmann (1991, p. 52) and in Foissner, Agatha & Berger (2002, p. 389)
- Onychodromopsis* Stokes, 1887 in Berger & Foissner (1997, p. 146) and Berger (1999, p. 475)
- Onychodromopsis flexilis* Stokes, 1887 in Berger (1999, p. 476)
- Onychodromopsis kabli* Sramek-Husek, 1957 in Berger (1999, p. 478)
- Onychodromus* Stein, 1859 in Berger (1999, p. 722)
- Onychodromus grandis* Stein, 1859 in Berger (1999, p. 724)
- Onychodromus indica* Kamra & Sapra, 1993 in Berger (1999, p. 738, as synonym)
- Onychodromus quadricornutus* Foissner, Schlegel & Prescott, 1987 in Berger (1999, p. 738)
- Opercularia articulata* Goldfuss, 1820 in Foissner, Berger & Kohmann (1992, p. 172)
- Opercularia coarctata* (Claparede & Lachmann, 1858) Roux, 1901 in Foissner, Berger & Kohmann (1992, p. 168)
- Opercularia nutans* (Ehrenberg, 1831) Stein, 1854 in Foissner, Berger & Kohmann (1992, p. 176)
- Opbrydium crasicaulis* Penard, 1922 in Foissner, Berger & Kohmann (1992, p. 242)
- Opbrydium eutrophicum* Foissner, 1979 in Foissner, Berger & Kohmann (1992, p. 239) and in Foissner, Berger & Schaumburg (1999, p. 540)
- Opbrydium naumanni* Pejler, 1962 in Foissner, Berger & Schaumburg (1999, p. 551)
- Opbrydium sessile* Kent, 1882 in Foissner, Berger & Kohmann (1992, p. 244)
- Opbrydium versatile* (Mueller, 1786) Ehrenberg, 1830 in Foissner, Berger & Kohmann (1992, p. 232) and in Foissner, Berger & Schaumburg (1999, p. 543)
- Opbryoglena* spp. in Foissner, Berger & Kohmann (1994, p. 110)
- Opisthonecta henneguyi* Faure-Fremiet, 1906 in Foissner, Berger & Kohmann (1992, p. 299) and in Foissner, Berger & Schaumburg (1999, p. 467)
- Opisthotricha macrostoma* Dragesco, 1972 in Berger (1999, p. 150, as synonym)
- Opisthotricha sordis* Lepsi, 1965 in Berger (1999, p. 245, as species indeterminata)
- Opisthotricha terrestris* Horváth, 1956 in Berger (1999, p. 683, as synonym)
- Opisthotricha terricola* Gellért, 1957 in Berger (1999, p. 245, as species indeterminata)
- Orthoampphiella* Eigner & Foissner, 1991 in Berger (2011, p. 620)
- Orthoampphiella breviseries* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 642)
- Orthoampphiella grelli* Eigner & Foissner, 1993 in Berger (2011, p. 639)
- Orthoampphiella stramenticola* Eigner & Foissner, 1991 in Berger (2011, p. 628)
- Oxytricha joblotii* Bory de Saint-Vincent in Lamouroux et al., 1924 in Berger (1999, p. 245, as species indeterminata)
- Oxytricha pullucina* Bory de Saint-Vincent in Lamouroux et al., 1924 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha variabilis* Bory de Saint-Vincent in Lamouroux et al., 1924 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha* Bory de Saint-Vincent in Lamouroux, Bory de Saint-Vincent & Deslongchamps, 1824 in Berger & Foissner (1997, p. 146), Berger (1999, p. 115), and Shao, Song & Berger (2011, p. 278)
- Oxytricha acuminata* Dumas, 1930 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha acuminata* Mahajan, 1977 in Berger (1999, p. 246, as species indeterminata)

- Oxytricha acuminata* Vuxanovici, 1963 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha aeruginosa* Wrzesniowskiego, 1866 in Berger (1999, p. 122)
- Oxytricha alba* Fromentel, 1876 in Berger (2006, p. 128, as synonym)
- Oxytricha alfredi* Berger, 1999 in Berger (1999, p. 125)
- Oxytricha alfredkahli* Foissner, 1987 in Berger (1999, p. 227)
- Oxytricha ambigua* Dujardin, 1841 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha anca* Dumas, 1930 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha arcuata* Dumas, 1930 in Berger (1999, p. 246, as species indeterminata)
- Oxytricha auripunctata* Blatterer & Foissner, 1988 in Berger (1999, p. 194)
- Oxytricha balladyna* Song & Wilbert, 1989 in Berger (1999, p. 126)
- Oxytricha barbula* Dumas, 1930 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha becciformis* Dumas, 1930 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha bilobata* Fromentel, 1876 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha bimembranata* Shibuya, 1929 in Berger (1999, p. 196)
- Oxytricha buitkampii* Dragesco & Dragesco-Kerneis, 1986 in Berger (1999, p. 175, as synonym)
- Oxytricha caudata* Stokes, 1887 in Berger (1999, p. 398, as synonym)
- Oxytricha chlorelligera* Kahl, 1932 in Foissner, Blatterer, Berger & Kohmann (1991, p. 277) and Berger (1999, p. 129)
- Oxytricha cornipes* Dumas, 1929 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha cornuta* Dumas, 1929 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha crassistilata* Kahl, 1932 in Berger (1999, p. 135)
- Oxytricha curta* Dumas, 1929 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha cypris* Dumas, 1929 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha decumana* Perty, 1852 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha deformis* Fromentel, 1876 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha discifera* Kahl, 1932 in Berger (1999, p. 227)
- Oxytricha dragesco* Stiller, 1974 in Berger (1999, p. 150, as synonym)
- Oxytricha dujardiniana* Diesing, 1866 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha ehrenbergiana* Diesing, 1866 in Berger (1999, p. 247, as species indeterminata)
- Oxytricha elegans* Foissner, 1999 in Shao, Song & Berger (2011, p. 280)
- Oxytricha elliptica* Gelei & Szabados, 1950 in Berger (1999, p. 150, as synonym)
- Oxytricha elongata* (Smith, 1897) Kahl, 1932 in Berger (1999, p. 136)
- Oxytricha enigmatica* Dragesco & Dragesco-Kerneis, 1986 in Berger (1999, p. 229)
- Oxytricha ephippioides* Dumas, 1930 in Berger (1999, p. 248, as species indeterminata)
- Oxytricha euglenivora* Kahl, 1932 in Berger (1999, p. 136)
- Oxytricha eurystoma* Ehrenberg, 1838 in Berger (1999, p. 626, as synonym)
- Oxytricha exociformis* Dumas, 1930 in Berger (1999, p. 248, as species indeterminata)
- Oxytricha fallax* Stein, 1859 in Foissner, Blatterer, Berger & Kohmann (1991, p. 279) and in Berger (1999, p. 137)
- Oxytricha faurei* Tucolesco, 1962 in Berger (1999, p. 146)
- Oxytricha ferruginea* Stein, 1859 in Foissner, Blatterer, Berger & Kohmann (1991, p. 283)
- Oxytricha fimbriata* Dumas, 1930 in Berger (1999, p. 248, as species indeterminata)
- Oxytricha formosa* Alekperov, 1984 in Berger (1999, p. 248, as species indeterminata)
- Oxytricha fromenteli* Foissner, 1987 in Berger (1999, p. 248, as species indeterminata)
- Oxytricha furcatus* Smith, 1897 in Berger (1999, p. 248, as species indeterminata)
- Oxytricha fusca* Perty, 1849 in Berger (2006, p. 1048, as synonym)
- Oxytricha galeata* Dumas, 1929 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha gelei* (Wilbert, 1986) Berger, 1999 in Berger (1999, p. 232)
- Oxytrich* *germanica* Foissner, 1987 in Berger (1999, p. 282, as synonym)
- Oxytricha gigantea* Horvath, 1933 in Berger & Foissner (1988, p. 66)
- Oxytricha granulifera* Foissner & Adam, 1983 in Berger (1999, p. 197)
- Oxytricha granulosa* Schmitz, 1986 in Berger (1999, p. 148)
- Oxytricha gyrinoides* Dumas, 1929 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha haematoplasma* Blatterer & Foissner, 1990 in Foissner, Blatterer, Berger & Kohmann (1991, p. 287)
- Oxytricha halophila* Kahl, 1932 in Berger (1999, p. 232)
- Oxytricha hengshanensis* Liu et al., 1992 in Shen et al., 1992 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha histroides* Gellért, 1957 in Berger (1999, p. 683, as synonym)
- Oxytricha hymenostoma* Stokes, 1887 in Foissner, Blatterer, Berger & Kohmann (1991, p. 289) and in Berger (1999, p. 150)
- Oxytricha immemorata* Alekperov, 1984 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha incrassata* Dujardin, 1841 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha islandica* Berger & Foissner, 1989 in Berger (1999, p. 207)
- Oxytricha kahlavata* Berger, 1999 in Berger (1999, p. 157)
- Oxytricha kesleri* Wresniowski, 1877 in Berger (2006, p. 100, as synonym)
- Oxytricha labiata* Dumas, 1930 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha labiata* Fromentel, 1876 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha lacerata* Dumas, 1929 in Berger (1999, p. 249, as species indeterminata)

- Oxytricha lacrimula* Dumas, 1929 in Berger (1999, p. 249, as species indeterminata)
- Oxytricha lanceolata* Shibuya, 1930 in Berger & Foissner (1987, p. 219), Berger & Foissner (1989, p. 39), and Berger (1999, p. 209)
- Oxytricha lata* Sterki, 1878 in Berger (1999, p. 250, as species indeterminata)
- Oxytricha lingua* Dujardin, 1841 in Berger (1999, p. 250, as species indeterminata)
- Oxytricha longa* Gelei & Szabados, 1950 in Berger (1999, p. 158) and Foissner, Agatha & Berger (2002, p. 745)
- Oxytricha longicauda* Stretthill Wright, 1862 in Berger (2006, p. 222, as synonym)
- Oxytricha longicirrata* Kahl, 1932 in Berger (1999, p. 163)
- Oxytricha longigranulosa* Berger & Foissner, 1989 in Berger (1999, p. 213)
- Oxytricha longipes* Dumas, 1930 in Berger (1999, p. 250, as species indeterminata)
- Oxytricha longissima* Dragesco & Njine, 1971 in Berger (1999, p. 164)
- Oxytricha ludibunda* Stokes, 1891 in Berger (1999, p. 150, as synonym)
- Oxytricha lundii* Dragesco, 1970 in Berger (1999, p. 150, as synonym)
- Oxytricha luteolucens* Dumas, 1937 in Berger (1999, p. 250, as species indeterminata)
- Oxytricha magna* Gelei & Szabadosz, 1950 in Berger (1999, p. 669, as synonym)
- Oxytricha matritensis* Ramirez-Montesinos & Perez-Silva, 1966 in Berger (1999, p. 165)
- Oxytricha merula* Fromentel, 1876 in Berger (1999, p. 250, as species indeterminata)
- Oxytricha micans* Engelmann, 1862 in Berger (2006, p. 128, as synonym)
- Oxytricha minima* Dragesco, 1970 in Berger (1999, p. 150, as synonym)
- Oxytricha minor* (Maskell, 1887) Kahl, 1932 in Berger (1999, p. 166)
- Oxytrich minor* Dragesco, 1966 in Berger (1999, p. 150, as synonym)
- Oxytricha monspessulana* (Chatton & Seguela, 1940) Borrór, 1972 in Berger (1999, p. 168)
- Oxytricha monstrosa* Vuxanovici, 1963 in Berger (1999, p. 250, as species indeterminata)
- Oxytricha multipes* Claparède & Lachmann, 1850 in Berger (1999, p. 873, as supposed synonym)
- Oxytricha multiseta* Dragesco, 1966 in Berger (1999, p. 169)
- Oxytricha nauplia* Berger & Foissner, 1987 in Berger (1999, p. 215)
- Oxytricha nova* Klobutcher, Swanton, Bonini & Prescott, 1981 in Berger (1999, p. 250, as species indeterminata and nomen nudum)
- Oxytricha oblonga* Dumas, 1929 in Berger (1999, p. 251, as species indeterminata)
- Oxytricha oblongatus* in Sharma, Sobti & Kathuria (1986) in Berger (1999, p. 251, as species indeterminata)
- Oxytricha obtusa* Dumas, 1930 in Berger (1999, p. 251, as species indeterminata)
- Oxytricha oltenica* Lepsi, 1965 in Berger (1999, p. 251, as species indeterminata)
- Oxytricha opisthomuscorum* Foissner, Blatterer, Berger & Kohmann, 1991 in Berger (1999, p. 217, 925)
- Oxytricha (Opisthotricha) elongata* Grandori & Grandori, 1934 in Berger (2011, p. 306)
- Oxytricha ottovi* Foissner, 1996 in Berger (1999, p. 218)
- Oxytricha ovalis* Schmarda, 1854 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha ovata* Dumas, 1929 in Berger (1999, p. 251, as species indeterminata)
- Oxytricha paraballophila* (Wang & Nie, 1999) Berger, 1999 in Berger (1999, p. 170)
- Oxytricha parallela* Engelmann, 1862 in Berger (1999, p. 171)
- Oxytricha (?) parvula* Vuxanovici, 1963 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha permix* Wrzesniowski, 1877 in Berger (2006, p. 146, as supposed synonym)
- Oxytricha pisciunculiiformis* Dumas, 1929 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha pistilloides* Dumas, 1929 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha plana* Gelei & Szabados, 1950 in Berger (1999, p. 175, as synonym)
- Oxytricha pleuronectes* Dumas, 1929 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha plicata* Eichwald, 1852 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha praeceps* Dumas, 1930 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha proboscis* Dumas, 1930 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha procera* Kahl, 1932 in Berger (1999, p. 220)
- Oxytricha protensa* Perty, 1852 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha proximata* Shibuya, 1930 in Berger (1999, p. 221)
- Oxytricha pseudofusiformis* Dragesco & Dragesco-Kerneis, 1986 in Berger (1999, p. 222)
- Oxytricha pseudosimilis* Hemberger, 1985 in Berger (1999, p. 222)
- Oxytricha quadrinucleata* Culberson, 1986 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha quercineti* Lepsi, 1948 in Berger (1999, p. 252, as species indeterminata)
- Oxytricha radians* Dujardin, 1841 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha rostrata* Dumas, 1930 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha rubra* Buitkamp, 1977 in Berger (1999, p. 281, as synonym)
- Oxytricha rubripuncta* Berger & Foissner, 1987 in Berger (1999, p. 224)
- Oxytricha saltans* (Cohn, 1866) Rees, 1881 in Berger (1999, p. 236, 931)
- Oxytricha saltans* Vuxanovici, 1963 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha saprobia* Kahl, 1932 in Foissner, Blatterer, Berger & Kohmann (1991, p. 292) and Berger (1999, p. 174)

- Oxytricha setigera* Stokes, 1891 in Foissner, Blatterer, Berger & Kohmann (1991, p. 294) and Berger (1999, p. 175)
- Oxytricha similis* Engelmann, 1862 in Foissner, Blatterer, Berger & Kohmann (1991, p. 300) and Berger (1999, p. 183)
- Oxytricha siseris* Vuxanovici, 1963 in Berger (1999, p. 187)
- Oxytricha sphagni* Kahl, 1932 in Berger (1999, p. 190)
- Oxytricha (Steinia) balladynula* Kahl, 1932 in Berger (1999, p. 175, as synonym, as *Steinia balladynula* Kahl)
- Oxytricha stratiformis* Dumas, 1930 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha striata* Schmarida, 1854 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha subcylindrica* Dumas, 1929 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha tenella* Song & Wilbert, 1989 in Berger (1999, p. 191)
- Oxytricha tetranucleata* Németh in Gelei, 1950 in Berger (1999, p. 253, as species indeterminata)
- Oxytricha tricornis* Milne, 1886 in Berger (1999, p. 241)
- Oxytricha trifallax* Greslin, Prescott, Oka, Loukin & Chappel, 1989 in Berger (1999, p. 254, as species indeterminata)
- Oxytricha truncata* Vuxanovici, 1963 in Berger (1999, p. 254, as species indeterminata)
- Oxytricha variabilis* Groliere, 1975 in Berger (1999, p. 193)
- Oxytricha velox* Quennerstedt, 1869 in Berger (2006, p. 100, as synonym)
- Oxytricha viridis* Fromentel, 1876 in Berger (1999, p. 254, as species indeterminata)
- Oxytricha wrzesnionskii* Mereschkowsky, 1879 in Berger (2006, p. 100, as synonym)
- Oxytrichidae Ehrenberg, 1838 in Berger & Foissner (1997, p. 145) and Berger (1999, p. 102, incorrectly spelled Oxytrichidea; 2006, p. 1190; 2008, p. 651)
- Oxytrichinae Jankowski, 1979 in Berger & Foissner (1997, p. 145) and in Berger (1999, p. 113)
- Parabakuella* Song & Wilbert, 1988 in Berger (2006, p. 590, as synonym)
- Parabirojimia* Hu, Song & Warren, 2002 in Berger (2006, p. 690)
- Parabirojimia similis* Hu, Song & Warren, 2002 in Berger (2006, p. 691)
- Paracolpidium truncatum* (Stokes, 1885) Ganner & Foissner, 1989 in Foissner, Berger & Kohmann (1994, p. 56)
- Paradileptus elephantinus* (Svec, 1897) Kahl, 1931 in Foissner, Berger, Blatterer & Kohmann (1995, p. 203) and in Foissner, Berger & Schaumburg (1999, p. 221)
- Parafurcasonia* Foissner & Adam, 1981 in Foissner, Agatha & Berger (2002, p. 458)
- Paragastrostyla* Hemberger, 1985 in Berger (2006, p. 613)
- Paragastrostyla lanceolata* Hemberger, 1985 in Berger (2006, p. 618)
- Paragastrostyla terricola* (Foissner, 1988) Berger, 2006 in Berger (2006, p. 631)
- Paragonostomoides* Foissner, 2016 in Lu, Huang, Shao & Berger (2018, p. 39)
- Paragonostomum* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 172) und Lu, Huang, Shao & Berger (2018, p. 39)
- Paragonostomum (Bigonostomum)* Berger, 2011 in Lu, Huang, Shao & Berger (2018, p. 40)
- Paragonostomum (Bigonostomum) binucleatum* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 192)
- Paragonostomum (Bigonostomum) multinucleatum* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 185)
- Paragonostomum minuta* Kamra, Kumar & Sapra, 2008 in Berger (2011, p. 204)
- Paragonostomum (Paragonostomum)* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 176) and Lu, Huang, Shao & Berger (2018, p. 39)
- Paragonostomum (Paragonostomum) caudatum* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 176)
- Parabistriculus* Groliere, 1975 in Berger (1999, p. 645, as synonym)
- Paragonostomum (Paragonostomum) rarisetum* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 183)
- Paragonostomum simplex* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005 in Berger (2011, p. 193)
- Parabolisticha musciola* (Kahl, 1932) Wenzel, 1953) in Jung, Park, Min, Berger & Kim (2015, p. 375)
- Parabolisticha pannonica* Gellért & Tamás, 1959 in Park, Chae, Jung, Min, Kim & Berger (2017, p. 108)
- Parakabliella* Berger, Foissner & Adam, 1985 in Berger (2011, p. 397)
- Parakabliella baideri* Berger & Foissner, 1989 in Berger (2011, p. 422)
- Parakabliella macrostoma* (Foissner, 1982) Berger, Foissner & Adam, 1985 in Berger, Foissner & Adam (1985, p. 297) and Berger (2011, p. 407)
- Parakabliella terricola* (Buitkamp, 1977) Berger, Foissner & Adam, 1985 in Berger (2011, p. 418)
- Parakeronopsis* Shi, 1999 in Park, Chae, Jung, Min, Kim & Berger (2017, p. 115)
- Paramecium aurelia*-Komplex in Foissner, Berger & Kohmann (1994, p. 129) and in Berger, Foissner & Kohmann (1997, p. 229)
- Paramecium bursaria* (Ehrenberg, 1831) Focke, 1836 in Foissner, Berger & Kohmann (1994, p. 140) and in Berger, Foissner & Kohmann (1997, p. 235)
- Paramecium caudatum* Ehrenberg, 1833 in Foissner, Berger & Kohmann (1994, p. 112) and in Berger, Foissner & Kohmann (1997, p. 231)
- Paramecium patrinum* Claparede & Lachmann, 1859 in Foissner, Berger & Kohmann (1994, p. 147) and in Berger, Foissner & Kohmann (1997, p. 237)
- Paramitrella* Jankowski, 1978 in Berger (2006, p. 1183)
- Paramitrella caudata* (Bullington, 1940) Jankowski, 1978 in Berger (2006, p. 1183)
- Paramphisiella* Foissner, 1988 in Berger (2008, p. 351)
- Paramphisiella acuta* (Foissner, 1982) Foissner, 1988 in Berger (2008, p. 352)
- Paramphisiella caudata* (Hemberger, 1985) Foissner, 1988 in Berger (2008, p. 358)
- Parapodophrya soliformis* (Lauterborn, 1908) Kahl, 1931 in Foissner, Berger, Blatterer & Kohmann (1995, p. 476)
- Parastylonychia* Dragesco, 1963 in Berger & Foissner (1997, p. 149) and Berger (1999, p. 696)
- Parastylonychia plouneouri* Dragesco, 1963 in Berger (1999, p. 697)
- Paraurostyla* Borrer, 1972 in Berger (1999, p. 841)

- Paraurostyla granulifera* Berger & Foissner, 1989 in Berger (1999, p. 874)
- Paraurostyla polynucleata* Alekperov, 1993 in Berger (1999, p. 877)
- Paraurostyla pulchra* Buitkamp, 1977 in Song, Wilbert & Berger (1992, p. 146) and Berger (2006, p. 588)
- Paraurostyla viridis* (Stein, 1859) Borrór, 1972 in Foissner, Blatterer, Berger & Kohmann (1991, p. 258)
- Paraurostyla weissei* Stein, 1859) Borrór, 1972 in Foissner, Blatterer, Berger & Kohmann (1991, p. 260) and Berger (1999, p. 844)
- Parentocirrus* Voss, 1997 in Berger (1999, p. 878)
- Parentocirrus bortualis* Voss, 1997 in Berger (1999, p. 879)
- Paruroleptus* Wenzel, 1953 in He, Shi, Shao, Chen & Berger (2011, p. 195)
- Paruroleptus lepisma* Wenzel, 1953 in Berger & Foissner (1989, p. 23)
- Paruroleptus notabilis* Foissner, 1982 in Berger & Foissner (1987, p. 206)
- Parurosoma* Gelei, 1954 in Berger & Foissner (1997, p. 148) and Berger (1999, p. 491)
- Parurosoma dubium* (Gelei, 1954) Berger, 1999 in Berger (1999, p. 492)
- Pattersoniella* Foissner, 1987 in Berger (1999, p. 766)
- Pattersoniella vitiphila* Foissner, 1987 in Berger (1999, p. 766)
- Pedohymena* Foissner, 1995 in Foissner, Agatha & Berger (2002, p. 466)
- Pelagodileptus trachelioides* (Zacharias, 1894) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 232)
- Pelagohalteria cirrifera* (Kahl, 1932) Foissner, Skogstad & Pratt, 1988 in Foissner, Blatterer, Berger & Kohmann (1991, p. 144) and in Foissner, Berger & Schaumburg (1999, p. 566)
- Pelagohalteria viridis* (Fromentel, 1876) Foissner, Skogstad & Pratt, 1988 in Foissner, Berger & Schaumburg (1999, p. 569)
- Pelagostrombidium fallax* (Zacharias, 1895) Krainer, 1991 in Foissner, Berger & Schaumburg (1999, p. 585)
- Pelagostrombidium mirabile* (Penard, 1916) Krainer, 1991 in Foissner, Berger & Schaumburg (1999, p. 590)
- Pelagotrichidium faurei* (Tuffrau, 1972) Jankowski, 1978 in Foissner, Berger & Schaumburg (1999, p. 683)
- Pelagovasicola cinctum* (Voigt, 1901) Jankowski, 1980 in Foissner, Berger & Schaumburg (1999, p. 213)
- Pelagovorticella mayeri* (Faure-Fremiet, 1920) Jankowski, 1980 in Foissner, Berger & Schaumburg (1999, p. 480)
- Pelagovorticella natans* (Faure-Fremiet, 1924) Jankowski, 1985 in Foissner, Berger & Schaumburg (1999, p. 482)
- Pelodinium reniforme* Lauterborn, 1908 in Foissner, Berger & Kohmann (1992, p. 437)
- Pelomyxa palustris* Greeff, 1874 in Berger, Foissner & Kohmann (1997, p. 75) (Amoebina?)
- Peranema granuliferum* Penard, 1890 in Berger, Foissner & Kohmann (1997, p. 95) (flagellates)
- Peranema trichophorum* (Ehrenberg, 1830) Stein, 1878 in Berger, Foissner & Kohmann (1997, p. 96) (flagellate)
- Peribolosticha* Hemberger, 1985 in Berger (2006, p. 498)
- Peribolosticha acuminata* Hemberger, 1985 in Berger (2006, p. 512)
- Peribolosticha lanceolata* Hemberger, 1985 in Foissner, Agatha & Berger (2002, p. 582) and Berger (2006, p. 502)
- Peribolosticha paucicirrata* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005 in Berger (2006, p. 517)
- Peribolosticha sylvatica* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005 in Berger (2006, p. 514)
- Peribolosticha wilberti* Song, 1990 in Berger (2006, p. 618, as synonym)
- Perisincirra* Jankowski, 1978 in Berger (2011, p. 463)
- Perisincirra kabli* (Grolière, 1975) Jankowski, 1978 in Berger (2011, p. 471)
- Perisincirra longicirrata* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 477)
- Perisincirra paucicirrata* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 474)
- Peritromus hydrarum* Chardez, 1983 in Berger (1999, p. 826, as synonym)
- Phascolodon vorticella* Stein, 1859 in Foissner, Blatterer, Berger & Kohmann (1991, p. 98) and in Foissner, Berger & Schaumburg (1999, p. 693)
- Phialina* spp. in Foissner, Berger, Blatterer & Kohmann (1995, p. 171)
- Philasterides armatus* (Kahl, 1927) Kahl, 1931 in Foissner, Berger & Kohmann (1994, p. 224)
- Phryganella acropodia* (Hertwig & Lesser, 1874) Hopkinson, 1909 in Cash & Hopkinson, 1909 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 179) (Testacea)
- Placus luciae* (Kahl, 1926) Kahl, 1930 in Foissner, Berger & Kohmann (1994, p. 376)
- Plagiocampa ovata* Gelei, 1954 in Foissner, Agatha & Berger (2002, p. 545)
- Plagiocampa rouxi* Kahl, 1926 in Foissner, Berger & Kohmann (1994, p. 373)
- Plagiopyla nasuta* Stein, 1860 in Foissner, Berger, Blatterer & Kohmann (1995, p. 266) and in Berger, Foissner & Kohmann (1997, p. 173)
- Plagiopyxis declivis* Bonnet & Thomas, 1955 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 169) (Testacea)
- Plagiotricha* Kent, 1882 in Berger (2011, p. 58, as synonym)
- Platycola decumbens* (Ehrenberg, 1830) Kent, 1882 in Foissner, Berger & Kohmann (1992, p. 259)
- Platynematum sociale* (Penard, 1922) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 256)
- Platyophrya spumacola* Kahl, 1927 in Foissner, Agatha & Berger (2002, p. 959)
- Platyophrya vorax* Kahl, 1926 in Foissner, Blatterer, Berger & Kohmann (1991, p. 419)
- Platyophryides* Foissner, 1987 in Foissner, Agatha & Berger (2002, p. 977)
- Platyophryides latus* (Kahl, 1930) Foissner, 1987 in Foissner, Agatha & Berger (2002, p. 977)
- Pleuronema coronatum* Kent, 1881 in Foissner, Berger & Kohmann (1994, p. 278) and in Berger, Foissner & Kohmann (1997, p. 246)
- Pleuronema crassum* Dujardin, 1841 in Foissner, Berger & Kohmann (1994, p. 285)
- Pleurotricha* Stein, 1859 in Berger & Foissner (1997, p. 149) and Berger (1999, p. 698)

- Pleurotricha grandis* Stein, 1859 in Foissner, Blatterer, Berger & Kohmann (1991, p. 275) and Berger (1999, p. 712)
- Pleurotricha lanceolata* (Ehrenberg, 1835) Stein, 1859 in Berger (1999, p. 699)
- Pleurotricha planensis* Fernandez-Leborans, 1984 in Berger (1999, p. 715, as species indeterminata)
- Pleurotricha tchadensis* Dragesco, 1972 in Berger (1999, p. 700, as synonym)
- Podophrya fixa* (Mueller, 1786) Ehrenberg, 1833 in Foissner, Berger, Blatterer & Kohmann (1995, p. 465)
- Podophrya halophila* Kahl, 1934 in Foissner, Agatha & Berger (2002, p. 400)
- Podophrya maupasii* Buetschli, 1889 in Foissner, Berger, Blatterer & Kohmann (1995, p. 471)
- Ponturostyla* Jankowski, 1989 in Berger (2008, p. 672)
- Ponturostyla enigmatica* (Dragesco & Dragesco-Kernéis, 1986) Jankowski, 1989 in Berger (2008, p. 673)
- Prodiscophrya collini* (Root, 1914) Kormos, 1935 in Foissner, Berger, Blatterer & Kohmann (1995, p. 459)
- Prorodon* Ehrenberg, 1833 in Foissner, Berger & Kohmann (1994, p. 316)
- Prorodon ellipticus* (Kahl, 1930) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 344)
- Prorodon niveus* Ehrenberg, 1833 in Foissner, Berger & Kohmann (1994, p. 346)
- Prosopseus sinuatus* André, 1916 in Berger (1999, p. 893, as species indeterminata)
- Protocyclidium* Alekperov, 1993 in Foissner, Agatha & Berger (2002, p. 524)
- Protogastrostyla* Gong, Kim, Kim, Min, Roberts, Warren & Choi, 2007 in Berger (2008, p. 690)
- Protogastrostyla pulchra* (Pereyaslawzewa, 1886) Gong, Kim, Kim, Min, Roberts, Warren & Choi, 2007 in Berger (2008, p. 693)
- Protospathidium serpens* (Kahl, 1930) in Berger, Foissner & Adam (1984, p. 355)
- Psammomitra* Borrer, 1972 in Berger (2006, p. 221)
- Psammomitra retractilis* (Claparède & Lachmann, 1858) Borrer, 1972 in Berger (2006, p. 222)
- Pseudoamphisiella* Song, 1996 in Berger (2006, p. 191)
- Pseudoamphisiella alveolata* (Kahl, 1932) Song & Warren, 2000 in Berger (2006, p. 211)
- Pseudoamphisiella lacazei* (Maupas, 1883) Song, 1996 in Berger (2006, p. 193)
- Pseudoblepharisma tenue* (Kahl, 1926) Kahl, 1927 in Foissner, Berger & Kohmann (1992, p. 388)
- Pseudocarcbesium* Sommer, 1951 in Aescht, Foissner, Blatterer, Kohmann & Berger (2017, p. 29; 2017, p. 29)
- Pseudochilodonopsis algivora* (Kahl, 1931) Foissner, 1979 in Foissner, Blatterer, Berger & Kohmann (1991, p. 62)
- Pseudochilodonopsis fluvialilis* Foissner, 1988 in Foissner, Blatterer, Berger & Kohmann (1991, p. 67)
- Pseudochilodonopsis piscatoris* (Blochmann, 1895) Foissner, 1979 in Foissner, Blatterer, Berger & Kohmann (1991, p. 73)
- Pseudocobnilembus pusillus* (Quennerstedt, 1869) Foissner & Wilbert, 1981 in Foissner, Berger & Kohmann (1994, p. 271)
- Pseudodiffflugia fascicularis* Penard, 1902 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 180) (Testacea)
- Pseudobaplocanlus infravacuolatus* Foissner & Brozek, 1996 in Foissner, Berger & Schaumburg (1999, p. 501)
- Pseudoholophryidae Berger, Foissner & Adam, 1984 in Foissner, Agatha & Berger (2002, p. 93)
- Pseudoholophrya terricola* Berger, Foissner & Adam, 1984 in Foissner, Agatha & Berger (2002, p. 94)
- Pseudokabliella* Berger, Foissner & Adam, 1985 in Berger (2011, p. 662)
- Pseudokabliella marina* Berger, Foissner & Adam, 1985 in Berger (2011, p. 663)
- Pseudokeronopsidae Borrer & Wicklow, 1983 in Berger (2006, p. 832)
- Pseudokeronopsinae Borrer & Wicklow, 1983 in Berger (2006, p. 886)
- Pseudokeronopsis* Borrer & Wicklow, 1983 in Berger (2006, p. 886) and Huang, Chen, Song & Berger (2014, p. 343)
- Pseudokeronopsis carnea* (Cohn, 1866) Wirnsberger, Larsen & Uhlig, 1987 in Berger (2006, p. 930)
- Pseudokeronopsis decolor* (Wallengren, 1900) Borrer & Wicklow, 1983 in Berger (2006, p. 963)
- Pseudokeronopsis flava* (Cohn, 1866) Wirnsberger, Larsen & Uhlig, 1987 in Berger (2006, p. 940)
- Pseudokeronopsis flavicans* (Kahl, 1932) Borrer & Wicklow, 1983 in Berger (2006, p. 951)
- Pseudokeronopsis multinucleata* (Maupas, 1883) Borrer & Wicklow, 1983 in Berger (2006, p. 960)
- Pseudokeronopsis ovalis* (Kahl, 1932) Borrer & Wicklow, 1983 in Berger (2006, p. 968)
- Pseudokeronopsis pararubra* Hu, Warren & Suzuki, 2004 in Berger (2006, p. 927)
- Pseudokeronopsis qingdaoensis* Hu & Song, 2000 in Berger (2006, p. 874, as synonym)
- Pseudokeronopsis rubra* (Ehrenberg, 1836) Borrer & Wicklow, 1983 in Berger (2006, p. 890)
- Pseudokeronopsis sepetibensis* Wanick & Silva-Neto, 2004 in Berger (2006, p. 957)
- Pseudokeronopsis similis* (Stokes, 1886) Borrer & Wicklow, 1983 in Berger (2006, p. 972)
- Pseudokeronopsis trisenestra* Dragesco & Dragesco-Kernési, 1986 in Berger (2006, p. 463, as synonym)
- Pseudomicrothorax agilis* Mermod, 1914 in Foissner, Berger & Kohmann (1994, p. 466)
- Pseudostrombidium* Horvath, 1933 in Berger & Foissner (1997, p. 148) and Berger (1999, p. 494)
- Pseudostrombidium planctonicum* Horvath, 1933 in Berger (1999, p. 494) and Foissner, Berger & Schaumburg (1999, p. 685)
- Pseudouroleptus* Hemberger, 1985 in Berger (1999, p. 888) and Berger (2008, p. 658)
- Pseudouroleptus caudatus* Hemberger, 1985 in Berger (1999, p. 889), Foissner, Agatha & Berger (2002, p. 649), and Berger (2008, p. 661)
- Pseudouroleptus caudatus caudatus* Hemberger, 1985 in Berger (2008, p. 663)
- Pseudouroleptus caudatus namibiensis* Foissner, Agatha & Berger, 2002 in Berger (2008, p. 668)
- Pseudourostyla* Borrer, 1972 in Berger (2006, p. 750)
- Pseudourostyla cristata* (Jerka-Dziadosz, 1964) Borrer, 1972 in Berger (2006, p. 757)
- Pseudourostyla franzi* Foissner, 1987 in Berger (2006, p. 787)

- Pseudourostyla levis* Takahashi, 1973 in Berger (2006, p. 778)
- Pseudourostyla muscorum* (Kahl, 1932) Borrór, 1972 in Berger (2006, p. 791)
- Pseudourostyla nova* Wiackowski, 1988 in Berger (2006, p. 793)
- Pseudourostyla magna* (Aleksperov, 1984) Berger, 2006 in Berger (2006, p. 809)
- Pseudourostyla raikovi* (Aleksperov, 1984) Berger, 2006 in Berger (2006, p. 807)
- Pseudourostyla urostyla* (Claparede & Lachmann, 1858) Borrór, 1972 in Berger (2006, p. 800)
- Pseudourostylidae Jankowski, 1979 in Berger (2006, p. 749)
- Pseudovorticella chlamydothora* (Penard, 1922) Jankowski, 1976 in Foissner, Berger & Kohmann (1992, p. 125)
- Pseudovorticella monilata* (Tatem, 1870) Foissner & Schiffmann, 1974 in Foissner, Berger & Kohmann (1992, p. 130)
- Pyxicola carteri* Kent, 1882 in Foissner, Berger & Kohmann (1992, p. 270)
- Reticulowoodruffia terricola* Foissner, 1993 in Foissner, Agatha & Berger (2002, p. 1015)
- Rhabdoaskenasia minima* Krainer & Foissner, 1990 in Foissner, Berger & Schaumburg (1999, p. 161)
- Rhabdostyla inclinans* (Mueller, 1773) Roux, 1901 in Foissner, Berger & Kohmann (1992, p. 246)
- Rhinakis* Deroux, 1994 in Foissner, Agatha & Berger (2002, p. 412)
- Rhodospirillum* spp. in Berger, Foissner & Kohmann (1997, p. 39) (Bacteria)
- Rigidocortex octonucleatus* (Foissner, 1988) Berger, 1999 in Berger (1999, p. 718)
- Rimostrombidium armeniensis* (Zharikov, 1987) Foissner, Berger & Schaumburg, 1999 in Foissner, Berger & Schaumburg (1999, p. 595)
- Rimostrombidium brachykinetum* Krainer, 1995 in Foissner, Berger & Schaumburg (1999, p. 606)
- Rimostrombidium humile* (Penard, 1922) Petz & Foissner, 1992 in Foissner, Berger & Schaumburg (1999, p. 611)
- Rimostrombidium hyalinum* (Mirabdullaev, 1985) Petz & Foissner, 1992 in Foissner, Berger & Schaumburg (1999, p. 609)
- Rimostrombidium lacustris* (Foissner, Skogstad & Pratt, 1988) Petz and Foissner, 1992 in Foissner, Berger & Schaumburg (1999, p. 596)
- Rimostrombidium velox* (Faure-Fremiet, 1924) Jankowski, 1978 in Foissner, Berger & Schaumburg (1999, p. 604)
- Rostraphryides africana* Foissner, 1987 in Foissner, Agatha & Berger (2002, p. 999)
- Rubrioxystricha ferruginea* (Stein, 1859) Berger, 1999 in Berger (1999, p. 484)
- Rubrioxystricha haematoplasma* (Blatterer & Foissner, 1990) Berger, 1999 in Berger (1999, p. 471)
- Saprodinium dentatum* (Lauterborn, 1901) Lauterborn, 1908 in Foissner, Berger & Kohmann (1992, p. 446)
- Saprodinium putrinium* Lackey, 1925 in Foissner, Berger & Kohmann (1992, p. 446)
- Saprodinium* spp. in Foissner, Berger & Kohmann (1992, p. 446)
- Sathrophilus muscorum* (Kahl, 1931) Corliss, 1960 in Foissner, Berger & Kohmann (1994, p. 259)
- Saudithrix* Foissner, Al-Rasheid & Berger in Berger, Al-Rasheid & Foissner, 2006 in Berger (2011, p. 647)
- Saudithrix terricola* Foissner, Al-Rasheid & Berger in Berger, Al-Rasheid & Foissner, 2006 in Berger (2011, p. 648)
- Schmidingerothrix* Foissner, 2012 in Lu, Huang, Shao & Berger (2018, p. 40)
- Schoenbornia viscidula* Schoenborn, 1964 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 180) (Testacea)
- Scyphidia rugosa* Dujardin, 1841 in Foissner, Berger & Kohmann (1992, p. 249)
- Spathidium extensum* Kahl, 1933 in Foissner, Agatha & Berger (2002, p. 270)
- Spathidium muscicola* Kahl, 1930 in Berger, Foissner & Adam (1984, p. 358)
- Spathidium muscorum* Dragesco & Dragesco-Kerneis, 1979 in Berger, Foissner & Adam (1983, p. 532)
- Spathidium rusticanum* Foissner, 1981 in Foissner, Agatha & Berger (2002, p. 251)
- Spathidium seppelti* Petz & Foissner, 1997 in Foissner, Agatha & Berger (2002, p. 228)
- Spathidium sensu lato* in Foissner, Berger, Blatterer & Kohmann (1995, p. 226)
- Sphaerophrya magna* Maupas, 1881 in Foissner, Berger, Blatterer & Kohmann (1995, p. 473)
- Sphaerotilus natans* Kützing, 1833 in Berger, Foissner & Kohmann (1997, p. 47) (Bacteria)
- Spiretella plancticola* (Gelei, 1933) Borrór, 1972 in Foissner, Berger & Schaumburg (1999, p. 688)
- Spiroamphisiella* Li, Song & Hu, 2007 in Berger (2008, p. 148)
- Spiroamphisiella hembergeri* Li, Song & Hu, 2007 in Berger (2008, p. 150)
- Spirostomum ambiguum* (Müller, 1786) Ehrenberg, 1835 in Foissner, Berger & Kohmann (1992, p. 317) and in Berger, Foissner & Kohmann (1997, p. 139)
- Spirostomum caudatum* (Mueller, 1786) Delphy, 1939 in Foissner, Berger & Kohmann (1992, p. 324)
- Spirostomum minus* Roux, 1901 in Foissner, Berger & Kohmann (1992, p. 327) and in Berger, Foissner & Kohmann (1997, p. 141)
- Spirostomum teres* Claparede & Lachmann, 1858 in Foissner, Berger & Kohmann (1992, p. 332) and in Berger, Foissner & Kohmann (1997, p. 143)
- Spirotrachelostyla* Gong, Song, Li, Shao & Chen, 2006 in Berger (2008, p. 502)
- Spirotrachelostyla simplex* (Kahl, 1932) Gong, Song, Li, Shao & Chen, 2006 in Berger (2008, p. 509)
- Spirotrachelostyla spiralis* (Dragesco & Dragesco-Kerneis, 1986) Gong, Song, Li, Shao & Chen, 2006 in Berger (2008, p. 503)
- Spirotrachelostyla tani* (Hu & Song, 2002) Gong, Song, Li, Shao & Chen, 2006 in Berger (2008, p. 506)
- Spongomonas iwella* Stein, 1878 in Berger, Foissner & Kohmann (1997, p. 112) (flagellate)
- Staurophrya elegans* Zacharias, 1893 in Foissner, Berger, Blatterer & Kohmann (1995, p. 420) and in Foissner, Berger & Schaumburg (1999, p. 727)
- Steinia* Diesing, 1866 in Berger & Foissner (1997, p. 150) and Berger (1999, p. 624)
- Steinia bivacuolata* (Gelei & Szabados, 1950) Foissner, 1989 in Berger (1999, p. 641)
- Steinia dubia* Gellért, 1956 in Berger (1999, p. 281, as synonym)

- Steinia fenestrata* Lepsi, 1957 in Berger (1999, p. 644, as species indeterminata)
- Steinia macrostoma* Grolière, 1975 in Berger (1999, p. 314, as synonym)
- Steinia muscorum* Kahl, 1932 in Berger & Foissner (1989, p. 41)
- Steinia platystoma* (Ehrenberg, 1831) Diesing, 1866 in Foissner, Blatterer, Berger & Kohmann (1991, p. 336) and Berger (1999, p. 626)
- Steinia simplex* Dragesco, 1966 in Berger (1999, p. 308)
- Steinia sphagnicola* Foissner, 1989 in Berger (1999, p. 632)
- Steinia tetracirrata* Gellert, 1942 in Berger & Foissner (1987, p. 225)
- Stenotricha* Jankowski, 1978 in Berger (2011, p. 680)
- Stenotricha arenicola* (Dragesco, 1953) Jankowski, 1978 in Berger (2011, p. 680)
- Stentor* Oken, 1815 in Foissner, Berger & Schaumburg (1999, p. 662)
- Stentor amethystinus* Leidy, 1880 in Foissner, Berger & Kohmann (1992, p. 339) and in Foissner, Berger & Schaumburg (1999, p. 664)
- Stentor araucanus* Foissner & Wölfl, 1994 in Foissner, Berger & Schaumburg (1999, p. 671)
- Stentor coeruleus* (Pallas, 1766) Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 357) and in Berger, Foissner & Kohmann (1997, p. 145)
- Stentor igneus* Ehrenberg, 1838 in Foissner, Berger & Kohmann (1992, p. 346)
- Stentor multiformis* (Mueller, 1786) Ehrenberg, 1838 in Foissner, Berger & Kohmann (1992, p. 351)
- Stentor muelleri* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 363) and in Berger, Foissner & Kohmann (1997, p. 147)
- Stentor niger* (Mueller, 1773) Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 355)
- Stentor polymorphus* (Müller, 1773) Ehrenberg, 1830 in Foissner, Berger & Kohmann (1992, p. 368) and in Berger, Foissner & Kohmann (1997, p. 149)
- Stentor roeselii* Ehrenberg, 1835 in Foissner, Berger & Kohmann (1992, p. 374) and in Berger, Foissner & Kohmann (1997, p. 151)
- Sterkiella* Foissner, Blatterer, Berger & Kohmann, 1991 in Berger & Foissner (1997, p. 151) and Berger (1999, p. 668)
- Sterkiella admirabilis* (Foissner, 1980) Berger, 1999 in Berger (1999, p. 677)
- Sterkiella cavicola* (Kahl, 1935) Foissner, Blatterer, Berger & Kohmann, 1991 in Berger (1999, p. 669) and in Foissner, Agatha & Berger (2002, p. 848)
- Sterkiella histriomuscorum* (Foissner, Blatterer, Berger & Kohmann, 1991) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 311), Foissner & Berger (1999, p. 234), and Berger (1999, p. 683, 929)
- Sterkiella quadrinucleatus* (Sick, 1933) Berger, 1999 in Berger (1999, p. 694)
- Sterkiella terricola* Berger, 1999 in Berger (1999, p. 612)
- Sterkiella thompsoni* Foissner, 1996 in Berger (1999, p. 679)
- Sterkiella tricirrata* (Buitkamp, 1977) Berger, 1999 in Berger (1999, p. 693)
- Stichochaeta corsica* Gourret & Roeser, 1888 in Berger (2008, p. 479, as synonym)
- Stichochaeta pediculiiformis* Cohn (?) in Berger (2008, p. 500)
- Stichotricha aculeata* Wrzesniowski, 1866 in Foissner, Blatterer, Berger & Kohmann (1991, p. 203)
- Stichotricha secunda* Perty, 1849 in Foissner, Blatterer, Berger & Kohmann (1991, p. 210)
- Stokesia vernalis* Wenrich, 1929 in Foissner, Berger & Kohmann (1994, p. 200) and in Foissner, Berger & Schaumburg (1999, p. 439)
- Strobilidium caudatum* (Fromentel, 1876) Foissner, 1987 in Foissner, Blatterer, Berger & Kohmann (1991, p. 153) and Berger, Foissner & Kohmann (1997, p. 171)
- Strobilidium humile* Penard, 1922 in Foissner, Blatterer, Berger & Kohmann (1991, p. 159)
- Strombidium viride* Stein, 1867 in Foissner, Blatterer, Berger & Kohmann (1991, p. 146)
- Strongylidium packii* (Calkins in Pack, 1919) Kahl, 1932 in Berger (2011, p. 276)
- Stylonichea bistyllus* Dumas, 1930 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia anfracta* Dumas, 1929 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia auriformis* Dumas, 1937 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia bicaudatus* Dumas, 1937 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia capucinus* Dumas, 1930 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia corniculata* Dumas, 1929 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia cornifrons* Dumas, 1929 in Berger (1999, p. 597, as species indeterminata)
- Stylonichia dubla* Dumas, 1929 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia ellipsoides* Dumas, 1929 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia excavate* Dumas, 1930 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia fastigiata* Dumas, 1929 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia fronte-albens* Dumas, 1937 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia frontosus* Dumas, 1937 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia globifrons* Dumas, 1930 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia gyriiformis* Dumas, 1930 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia labiata* Dumas, 1930 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia limbiformis* Dumas, 1930 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia mamillata* Dumas, 1929 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia massula* Dumas, 1929 in Berger (1999, p. 598, as species indeterminata)
- Stylonichia membranaceus* Dumas, 1937 in Berger (1999, p. 599, as species indeterminata)



- Stylonychia mutabunda* Dumas, 1930 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia octinostylus* Dumas, 1937 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia reclinis* Dumas, 1930 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia rostrata* Dumas, 1929 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia trochiformis* Dumas, 1929 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia truncata* Dumas, 1930 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia unguiculus* Dumas, 1930 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia viridis* Dumas, 1937 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia* Ehrenberg, 1830 in Berger & Foissner (1997, p. 151) and Berger (1999, p. 501)
- Stylonychia bifaria* (Stokes, 1887) Berger, 1999 in Berger (1999, p. 557)
- Stylonychia calva* Fromentel, 1876 in Berger (1999, p. 599, as species indeterminata)
- Stylonychia claviformis* Gelei, 1954 in Berger (1999, p. 505, as synonym)
- Stylonychia curvata* (Kahl, 1932) Borrór, 1972 in Berger (1999, p. 593)
- Stylonychia echina* Claparède & Lachmann, 1858 in Berger (1999, p. 434, as synonym)
- Stylonychia fissiseta* Claparède & Lachmann, 1858 in Berger (1999, p. 565, as synonym)
- Stylonychia harbinensis* Feng, Gu & Zhang, 1990 in Berger (1999, p. 599, as species indeterminate)
- Stylonychia mytilus*-Komplex in Foissner, Blatterer, Berger & Kohmann (1991, p. 315), Berger, Foissner & Kohmann (1997, p. 163) and Berger (1999, p. 504)
- Stylonychia lemnae* Ammermann & Schlegel, 1983 in Berger (1999, p. 550)
- Stylonychia makrostyla* Sterki, 1878 in Berger (1999, p. 600, as species indeterminate)
- Stylonychia monostylus* Fromentel, 1876 in Berger (1999, p. 600, as species indeterminate)
- Stylonychia mytilus* (Müller, 1773) Ehrenberg, 1830 in Berger (1999, p. 549)
- Stylonychia nodulinucleata* Shi & Li, 1993 in Berger (1999, p. 552)
- Stylonychia notophora* Stokes, 1885 in Berger (1999, p. 553)
- Stylonychia ovis* Dragesco, 1966 in Berger (1999, p. 591, as synonym)
- Stylonychia pseudograndis* Wang & Nie, 1935 in Berger (1999, p. 564)
- Stylonychia pustulata* (Müller, 1786) Ehrenberg, 1835 in Foissner, Blatterer, Berger & Kohmann (1991, p. 323) and Berger (1999, p. 565)
- Stylonychia putrina* Stokes, 1885 in Foissner, Blatterer, Berger & Kohmann (1991, p. 329) and Berger (1999, p. 586)
- Stylonychia quadrinucleata* Alekperov & Musayev, 1988 in Berger (1999, p. 677, as synonym)
- Stylonychia regularis* Fromentel, 1876 in Berger (1999, p. 600, as species indeterminate)
- Stylonychia sphaerica* Fromentel, 1876 in Berger (1999, p. 600, as species indeterminate)
- Stylonychia steinii* Stiller, 1974 in Berger (1999, p. 506, as synonym)
- Stylonychia stylomuscorum* (Foissner, Blatterer, Berger & Kohmann, 1991) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 332) and Berger (1999, p. 595)
- Stylonychia vorax* Stokes, 1885 in Foissner, Blatterer, Berger & Kohmann (1991, p. 334) and Berger (1999, p. 591)
- Stylonychinae Berger & Foissner, 1997 in Berger (1999, p. 499)
- Tachysoma* Stokes, 1887 in Berger & Foissner (1997, p. 148) and Berger (1999, p. 431)
- Tachysoma agile* Stokes, 1887 in Berger (1999, p. 434)
- Tachysoma balatonica* Gellert & Tamas, 1958 in Berger (1999, p. 456)
- Tachysoma bicirratum* (Foissner, Blatterer, Berger & Kohmann, 1991) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 302) and in Berger (1999, p. 457)
- Tachysoma chilensis* (Bürger, 1905) Berger, 1999 in Berger (1999, p. 451)
- Tachysoma dragescoi* Song & Wilbert, 1997 in Berger (1999, p. 463)
- Tachysoma fusiformis* Gelei & Szabados, 1950 in Berger (1999, p. 175, as synonym)
- Tachysoma granuliferum* Berger & Foissner, 1987 in Berger (1999, p. 459)
- Tachysoma humicola* Gellert, 1957 in Berger (1999, p. 452)
- Tachysoma humicola humicola* Gellert, 1957 in Berger (1999, p. 456)
- Tachysoma humicola longisetum* Foissner, 1998 in Berger (1999, p. 456)
- Tachysoma mirabile* Stokes, 1887 in Berger (1999, p. 434, as synonym)
- Tachysoma ovata* Song & Wilbert, 1997 in Berger (1999, p. 464)
- Tachysoma parvistylum* Stokes, 1887 in Berger (1999, p. 466, as species indeterminate)
- Tachysoma pelliellum* (Müller, 1773) Borrór, 1972 in Foissner, Blatterer, Berger & Kohmann (1991, p. 304), Berger, Foissner & Kohmann (1997, p. 167) and Berger (1999, p. 433)
- Tachysoma perisincirra* Hemberger in Berger, Foissner & Adam (1984, p. 363)
- Tachysoma rigescens* (Kahl, 1932) Borrór, 1972 in Berger (1999, p. 461)
- Tachysoma* spec. sensu Wilbert & Kahan (1981) in Berger (2006, p. 455)
- Tachysoma terricola* Hemberger, 1985 in Berger (1999, p. 458)
- Telotrochidium cylindricum* Foissner, 1978 in Berger, Foissner & Adam (1984, p. 359)
- Terricirra* Berger & Foissner, 1989 in Berger (2008, p. 447)
- Terricirra livida* (Berger & Foissner, 1987) Berger & Foissner, 1989 in Berger (2008, p. 458)
- Terricirra matsusakai* Berger & Foissner, 1989 in Foissner, Agatha & Berger (2002, p. 868) and Berger (2008, p. 454)
- Terricirra viridis* (Foissner, 1982) Berger & Foissner, 1989 in Berger (2008, p. 450)
- Territricha* Berger & Foissner, 1988 in Berger (1999, p. 884)

- Territricha stramenticola* Berger & Foissner, 1988 in Berger (1999, p. 884)
- Tetrahymena pyriformis*-Komplex in Foissner, Berger & Kohmann (1994, p. 61) and in Berger, Foissner & Kohmann (1997, p. 221)
- Tetramitus descissus* Perty, 1852 in Berger, Foissner & Kohmann (1997, p. 106) (flagellate)
- Tetramitus pyriformis* Klebs, 1893 in Berger, Foissner & Kohmann (1997, p. 107) (flagellate)
- Tetrastyla* Schewiakoff, 1892 in Berger (2008, p. 463)
- Tetrastyla oblonga* Schewiakoff, 1892 in Berger (2008, p. 463)
- Teuthobrya trisulca trisulca* Chatton & De Beauchamp, 1923 and *Teuthobrya trisulca africana* Dragesco & Dragesco-Kernéis, 1986 in Foissner, Berger & Schaumburg (1999, p. 238)
- Thigmogaster oppositovacuolatus* Augustin & Foissner, 1989 in Foissner, Blatterer, Berger & Kohmann (1991, p. 56)
- Thigmogaster potamophilus* Foissner, 1988 in Foissner, Blatterer, Berger & Kohmann (1991, p. 59)
- Thigmokeronopsis* Wicklow, 1981 in Berger (2006, p. 836) and Huang, Chen, Song & Berger (2014, p. 343)
- Thigmokeronopsis antarctica* Petz, 1995 in Berger (2006, p. 862)
- Thigmokeronopsis crassa* (Claparède & Lachmann, 1858) Berger, 2006 in Berger (2006, p. 873)
- Thigmokeronopsis crystallis* Petz, 1995 in Berger (2006, p. 855)
- Thigmokeronopsis jahodai* Wicklow, 1981 in Berger (2006, p. 842)
- Thigmokeronopsis magna* Wilbert & Song, 2005 in Berger (2006, p. 848)
- Thigmokeronopsis rubra* Hu, Warren, & Song, 2004 in Berger (2006, p. 852)
- Thiocystis violacea* Winogradsky, 1888 in Berger, Foissner & Kohmann (1997, p. 42) (Bacteria)
- Thiosarcina rosea* (Schroeter, 1886) Winogradsky, 1888 in Berger, Foissner & Kohmann (1997, p. 44) (Bacteria)
- Thiospirillum jenense* (Ehrenberg, 1838) Migula, 1900 in Berger, Foissner & Kohmann (1997, p. 44) (Bacteria)
- Thuricola folliculata* Kent, 1881 in Foissner, Berger & Kohmann (1992, p. 273)
- Thuricola kellicottiana* (Stokes, 1887) Kahl, 1935 in Foissner, Berger & Kohmann (1992, p. 278)
- Thuricola vasiformis* Hammann, 1952 in Foissner, Berger & Kohmann (1992, p. 281)
- Tintinnidium ephemeridum* Hilliard, 1968 in Foissner, Berger & Schaumburg (1999, p. 636)
- Tintinnidium fluviale* (Stein, 1863) Kent, 1881 in Foissner, Blatterer, Berger & Kohmann (1991, p. 163) and in Foissner, Berger & Schaumburg (1999, p. 637)
- Tintinnidium pusillum* Entz, 1909 in Foissner, Blatterer, Berger & Kohmann (1991, p. 168) and in Foissner, Berger & Schaumburg (1999, p. 642)
- Tintinnidium semiciliatum* (Sterki, 1879) Kent, 1881 in Foissner, Blatterer, Berger & Kohmann (1991, p. 172)
- Tintinnopsis cylindrata* Kofoid & Campbell, 1929 in Foissner, Blatterer, Berger & Kohmann (1991, p. 178) and in Foissner, Berger & Schaumburg (1999, p. 648)
- Tokophrya carhesii* (Claparède & Lachmann, 1859) Buetschli, 1889 in Foissner, Berger, Blatterer & Kohmann (1995, p. 417)
- Tokophrya infusionum* (Stein, 1859) Buetschli, 1889 in Foissner, Berger, Blatterer & Kohmann (1995, p. 401)
- Tokophrya lemnae* (Stein, 1859) Entz, 1903 in Foissner, Berger, Blatterer & Kohmann (1995, p. 405)
- Tokophrya quadripartita* (Claparède & Lachmann, 1859) Buetschli, 1889 in Foissner, Berger, Blatterer & Kohmann (1995, p. 411)
- Trachelius ovum* (Ehrenberg, 1831) Ehrenberg, 1838 in Foissner, Berger, Blatterer & Kohmann (1995, p. 208) and in Berger, Foissner & Kohmann (1997, p. 179)
- Trachelochaeta* Sramek-Husek, 1954 in Berger (2011, p. 300)
- Trachelochaeta bryophila* Sramek-Husek, 1954 in Berger (2011, p. 303)
- Trachelophyllidae Kent, 1881 in Foissner, Agatha & Berger (2002, p. 142)
- Trachelophyllum* Claparède & Lachmann, 1859 in Foissner, Agatha & Berger (2002, p. 144)
- Trachelophyllum apiculatum* (Perty, 1852) Claparède & Lachmann, 1859 in Foissner, Berger, Blatterer & Kohmann (1995, p. 180) and Foissner, Agatha & Berger (2002, p. 145)
- Trachelostyla* Borrer, 1972 in Berger (2008, p. 474)
- Trachelostyla canadensis* Buitkamp & Wilbert, 1974 in Berger (1999, p. 370; 2011, p. 68, as synonym)
- Trachelostyla* sp. sensu Kahl (1932) in Berger (2008, p. 386)
- Trachelostyla caudata* (Kahl, 1932) Borrer, 1972 in Berger (2008, p. 494)
- Trachelostyla pediculiformis* (Cohn, 1866) Borrer, 1972 in Berger (2008, p. 478, 687)
- Trachelostyla rostrata* (Lepsi, 1962) Berger, 2008 in Berger (2008, p. 498)
- Trachelostylidae Small & Lynn, 1985 in Berger (2008, p. 471)
- Trepomonas* spp. in Berger, Foissner & Kohmann (1997, p. 87) (flagellates)
- Trichoda foeta* Müller, 1786 in Berger (2006, p. 100, as synonym)
- Trichoda silurus* Müller, 1773 in Berger (1999, p. 504, as synonym)
- Trichodina pediculus* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 304) and in Foissner, Berger & Schaumburg (1999, p. 472)
- Tricholeptus aculeatus tetraculeatus* Longhi, 1895 in Berger (1999, p. 894, as species indeterminata)
- Trichotaxis multinucleatus* Burkovsky, 1970 in Berger (2006, p. 829, as species indeterminate)
- Trichotaxis rubentis* Sarmiento & Guerra, 1960 in Berger (2006, p. 829, as species indeterminate)
- Trichotaxis villaensis* Sarmiento & Guerra, 1960 in Berger (2006, p. 831, as species indeterminate)
- Trichototaxis* Stokes, 1891 in Berger (2006, p. 824)
- Trichototaxis aeruginosa* (Foissner, 1980) Foissner, 1987 in Berger (2006, p. 484)
- Trichototaxis rubra* Plückerbaum, 1997 in Berger (2006, p. 463, as synonym)
- Trichototaxis stagnatilis* Stokes, 1891 in Berger (2006, p. 827)
- Tricoronella* Blatterer & Foissner, 1988 in Berger (2006, p. 741)
- Tricoronella pulchra* Blatterer & Foissner, 1988 in Berger (2006, p. 742)
- Trigonomonas* spp. in Berger, Foissner & Kohmann (1997, p. 89) (flagellates)
- Trigonopyxis arcula* (Leidy, 1879) Penard, 1912 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 169) (Testacea)

- Trimyema compressum* Lackey, 1925 in Foissner, Berger & Kohmann (1994, p. 408)
- Trinema complanatum* Penard, 1890 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 180) (Testacea)
- Trinema enchelys* (Ehrenberg, 1838) Leidy, 1878 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 181) (Testacea)
- Trinema lineare* Penard, 1890 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 183) (Testacea)
- Trinema penardi* Thomas & Chardez, 1958 in Lüftenegger, Petz, Berger, Foissner & Adam (1988, p. 185) (Testacea)
- Trithigmostoma cucullulus* (Müller, 1786) Jankowski, 1967 in Foissner, Blatterer, Berger & Kohmann (1991, p. 82) and Berger, Foissner & Kohmann (1997, p. 201)
- Trithigmostoma steini* (Blochmann, 1895) Foissner, 1988 in Foissner, Blatterer, Berger & Kohmann (1991, p. 92)
- Trithigmostoma srameki* Foissner, 1988 in Foissner, Blatterer, Berger & Kohmann (1991, p. 77)
- Trochilia minuta* (Roux, 1899) Kahl, 1931 in Foissner, Blatterer, Berger & Kohmann (1991, p. 117) and Berger, Foissner & Kohmann (1997, p. 204)
- Trochiloides recta* (Kahl, 1928) Kahl, 1931 in Foissner, Blatterer, Berger & Kohmann (1991, p. 127)
- Tropidoatractus acuminatus* Levander, 1894 in Foissner, Berger & Kohmann (1992, p. 420)
- Uncinata* Bullington, 1940 in Berger (2006, p. 1186)
- Uncinata gigantea* Bullington, 1940 in Berger (2006, p. 1186)
- Urliella* Foissner, 1989 in Foissner, Agatha & Berger (2002, p. 457)
- Urocentrum turbo* (Mueller, 1786) Nitzsch, 1827 in Foissner, Berger & Kohmann (1994, p. 187)
- Uroleptooides* Wenzel, 1953 in Berger (2008, p. 224)
- Uroleptooides binucleata* Hemberger, 1985 in Berger & Foissner (1989, p. 32) and Berger (2008, p. 261; as *U. binucleatus*)
- Uroleptooides binucleatus binucleatus* Hemberger, 1985 in Berger (2008, p. 264)
- Uroleptooides binucleatus multicirratu* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 267)
- Uroleptooides kihni* Wenzel, 1953 in Berger (2008, p. 246)
- Uroleptooides longiseries* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 249)
- Uroleptooides magnigranulosus* (Foissner, 1988) Berger, 2008 in Berger (2008, p. 273)
- Uroleptooides multinucleatus* (Foissner, Agatha & Berger, 2002) Berger, 2008 in Berger (2008, p. 255)
- Uroleptooides polycirratu* (Berger & Foissner, 1989) Berger, 2008 in Berger (2008, p. 285)
- Uroleptooides raptans* (Buitkamp & Wilbert, 1974) Hemberger, 1982 in Berger (2008, p. 252)
- Uroleptooides terricola* (Gellért, 1956) Berger, 2008 in Berger (2008, p. 279)
- Uroleptopsis* Kahl, 1932 in Berger (2006, p. 980)
- Uroleptopsis (Plesiouroleptopsis)* Berger, 2004 in Berger (2006, p. 1011)
- Uroleptopsis (Uroleptopsis)* Kahl, 1932 in Berger (2006, p. 986)
- Uroleptopsis citrina* Kahl, 1932 in Berger (2004, p. 102; 2006, p. 987) and Huang, Chen, Song & Berger (2014, p. 343)
- Uroleptopsis ignea* (Mihailowitsch & Wilbert, 1990) Foissner, 1995 in Berger (2006, p. 1012)
- Uroleptopsis multiseta* Dragesco, 1970 in Berger (2011, p. 354, as synonym)
- Uroleptopsis roscoviana* (Maupas, 1883) Kahl, 1932 in Berger (2006, p. 1006)
- Uroleptopsis tannaensis* (Shigematsu, 1953) Berger, 2004 in Berger (2006, p. 1002)
- Uroleptopsis viridis* (Pereyaslawzewa, 1886) Kahl, 1932 in Berger (2006, p. 1004)
- Uroleptus* Ehrenberg, 1831 in Berger (2011, p. 553), He, Shi, Shao, Chen & Berger (2011), and Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 92).
- Uroleptus (Caudiholosticha)* Berger, 2003 in Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 93).
- Uroleptus (Paruroleptus)* Wenzel, 1953 in Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 93).
- Uroleptus (Uroleptus)* Ehrenberg, 1831 in Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger (2017, p. 93).
- Uroleptus elongatus* Fernandez-Leborans, 1981 in Berger (2011, p. 574)
- Uroleptus gallina* (Mueller, 1786) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 244)
- Uroleptus halseyi* Calkins, 1929 in Berger (2011, p. 502, as synonym)
- Uroleptus longicaudatus* Stokes, 1886 in Chen, Lv, Shao, Al-Farraj, Song & Berger (2016, p. 353)
- Uroleptus* cf. *magnificus* (Kahl, 1932) Olmo, 2000 in He, Shi, Shao, Chen & Berger (2011)
- Uroleptus musculus* (Kahl, 1932) Foissner, Blatterer, Berger & Kohmann, 1991 in Foissner, Blatterer, Berger & Kohmann (1991, p. 244)
- Uroleptus piscis* (Mueller, 1773) Ehrenberg, 1831 in Foissner, Blatterer, Berger & Kohmann (1991, p. 252)
- Uroleptus rattulus* Stein, 1859 in Foissner, Blatterer, Berger & Kohmann (1991, p. 255)
- Uronema nigricans* (Müller, 1786) Florentin, 1901 in Foissner, Berger & Kohmann (1994, p. 228) and in Berger, Foissner & Kohmann (1997, p. 243)
- Urosoma* Kowalewskiego, 1882 in Berger & Foissner (1997, p. 148) and Berger (1999, p. 396)
- Urosoma acuminata* (Stokes, 1887) Kahl, 1932 in Berger & Foissner (1987, p. 231) and Berger (1999, p. 414)
- Urosoma acuta* Dragesco, 1972 in Berger (1999, p. 404, as synonym)
- Urosoma ambigua* Dragesco & Dragesco-Kerneis, 1986 in Berger (1999, p. 404, as synonym)
- Urosoma caudata* (Ehrenberg, 1833) Berger, 1999 in Berger (1999, p. 389)
- Urosoma cienkowski* Kowalewskiego, 1882 in Berger (1999, p. 398, as synonym)
- Urosoma emarginata* (Stokes, 1885) Berger, 1999 in Berger (1999, p. 409)
- Urosoma gigantea* (Horvath, 1933) Kahl, 1935 in Berger & Foissner (1987, p. 233) and Berger (1999, p. 425)
- Urosoma karini* Foissner, 1987 in Berger (1999, p. 422)
- Urosoma macrostomum* Gellért, 1957 in Berger (1999, p. 370, as synonym) and in Berger (2011, p. 168)
- Urosoma macrostyla* (Wrzesniowski, 1866) Berger, 1999 in Berger (1999, p. 404)

- Urosoma octonucleata* Berger & Foissner, 1989 in Berger (1999, p. 417)
- Urosoma polynucleata* (Foissner, 1984) Berger, 1999 in Berger (1999, p. 419)
- Urosoma salmstra* (Dragesco & Dragesco-Kernéis, 1986) Berger, 1999 in Berger (1999, p. 424)
- Urosoma similis* (Foissner, 1982) Berger, 1999 in Berger (1999, p. 419)
- Urosomoida Hemberger* in Foissner, 1982 in Berger & Foissner (1997, p. 148), Berger (1999, p. 345), and Shao, Song & Berger (2011, p. 281)
- Urosomoida agiliformis* Foissner, 1982 in Berger (1999, p. 356) and in Foissner, Agatha & Berger (2002, p. 790)
- Urosomoida agilis* (Engelmann, 1862) Hemberger, 1985 in Berger & Foissner (1987, p. 235) and Berger (1999, p. 347)
- Urosomoida antarctica* Foissner, 1996 in Berger (1999, p. 365)
- Urosomoida dorsiincisura* Foissner, 1982 in Berger (1999, p. 362)
- Urosomoida granulifera* Foissner, 1996 in Berger (1999, p. 352)
- Urosomoida minima* Hemberger, 1985 in Berger (1999, p. 366)
- Urosomoida pertbensis* Foissner & O'Donoghue, 1990 in Berger (1999, p. 362)
- Urostyla* Ehrenberg, 1830 in Berger (2006, p. 1040)
- Urostyla gamalievi* Alekperov, 1984 in Berger (2006, p. 1093)
- Urostyla algivora* Gellert & Tamas, 1958 in Berger (2006, p. 806)
- Urostyla caudata* Stokes, 1886 in Berger (2006, p. 1088)
- Urostyla chlorelligera* Foissner, 1980 in Berger (2006, p. 1050, 1086, as supposed synonym)
- Urostyla coei* Turner, 1939 in Berger (1999, p. 845, as synonym)
- Urostyla dispar* Kahl, 1932 in Berger (2006, p. 1094)
- Urostyla elongata* Stokes, 1891 in Berger (2006, p. 1049, as synonym)
- Urostyla flavicans* Wrzesniowskiego, 1867 in Berger (1999, as synonym)
- Urostyla fulva* Stokes, 1891 in Berger (2006, p. 1049, as synonym)
- Urostyla gigas* Stokes, 1886 in Berger (2006, p. 1091)
- Urostyla gracilis* Entz, 1884 in Berger (2006, p. 1097)
- Urostyla grandis* Ehrenberg, 1830 in Foissner, Blatterer, Berger & Kohmann (1991, p. 222) and in Berger (2006, p. 1048)
- Urostyla hologama* Heckmann, 1865 in Berger (1999, p. 845, as synonym)
- Urostyla limboonkengi* Wang & Nie, 1932 in Berger (2006, p. 1101)
- Urostyla lynchi* Horváth, 1939 in Berger (1999, p. 845, as synonym)
- Urostyla naumanni* Lepsi, 1935 in Berger (2006, p. 1103)
- Urostyla paragrandidis* Wang, 1930 in Berger (1999, as synonym)
- Urostyla polymicronucleata* Merriman, 1837 in Berger (1999, p. 845, as synonym)
- Urostyla pseudomuscorum* Wang, 1940 in Berger (2006, p. 804)
- Urostyla rubra* Andrussowa, 1886 in Berger (2006, p. 1111, as species indeterminata)
- Urostyla sanguinea* Entz, 1884 in Berger (2006, p. 1101, as supposed synonym)
- Urostyla* sp. sensu Shin (1994) in Berger (2006, p. 798)
- Urostyla trichogaster* Stokes, 1885 in Berger (2006, p. 1049, as synonym)
- Urostyla variabilis* (Borror & Wicklow, 1983) Berger, 2006 in Berger (2006, p. 1104)
- Urostyla vernalis* Stokes, 1894 in Berger (1999, p. 844, as synonym)
- Urostyla viridis* Stein, 1859 in Berger (2006, p. 1106)
- Urostylidae Bütschli, 1889 in Berger (2006, p. 731)
- Urostylinae Bütschli, 1889 in Berger (2006, p. 1017)
- Urostyloidea Bütschli, 1889 in Berger (2006, p. 73) and Berger (2008, p. 636)
- Urostyloides* Shi & He, 1989 in Berger (2006, p. 1205)
- Urostyloides sinsensis* Shi & He, 1989 in Berger (2006, p. 1206)
- Urotricha* Claparede & Lachmann, 1859 in Foissner, Berger & Schaumburg (1999, p. 301)
- Urotricha agilis* (Stokes, 1886) Kahl, 1930 in Foissner, Berger & Kohmann (1994, p. 349) and in Foissner, Berger & Schaumburg (1999, p. 348)
- Urotricha apsberonica* Alekperov, 1984 in Foissner, Berger & Schaumburg (1999, p. 302)
- Urotricha armata* Kahl, 1927 in Foissner, Berger & Kohmann (1994, p. 362)
- Urotricha castalia* Munoz, Tellez & Fernandez-Galiano, 1987 in Foissner, Berger & Schaumburg (1999, p. 335)
- Urotricha farcta* Claparede & Lachmann, 1859 in Foissner, Berger & Kohmann (1994, p. 352) and in Foissner, Berger & Schaumburg (1999, p. 351)
- Urotricha furcata* Schewiakoff, 1892 in Foissner, Berger & Kohmann (1994, p. 366) and in Foissner, Berger & Schaumburg (1999, p. 344)
- Urotricha globosa* Schewiakoff, 1892 in Foissner, Berger & Kohmann (1994, p. 360) and in Foissner, Berger & Schaumburg (1999, p. 357)
- Urotricha matthesi tristicha* Foissner & Pfister, 1997 in Foissner, Berger & Schaumburg (1999, p. 342)
- Urotricha ovata* Kahl, 1926 in Foissner, Berger & Kohmann (1994, p. 357)
- Urotricha pelagica* Kahl, 1935 in Foissner, Berger & Schaumburg (1999, p. 309)
- Urotricha platystoma* Stokes, 1886 in Foissner, Berger & Schaumburg (1999, p. 359)
- Urotricha pseudofurcata* Krainer, 1995 in Foissner, Berger & Schaumburg (1999, p. 347)
- Urotricha valida* Song & Wilbert, 1989 in Foissner, Berger & Schaumburg (1999, p. 313)
- Urotricha venatrix* Kahl, 1935 in Foissner, Berger & Schaumburg (1999, p. 315)
- Urozona buetschlii* Schewiakoff, 1889 in Foissner, Berger & Kohmann (1994, p. 268)
- Vaginicola ingenita* (Mueller, 1786) Kent, 1881 in Foissner, Berger & Kohmann (1992, p. 283)
- Vaginicola tinctoria* Ehrenberg, 1830 in Foissner, Berger & Kohmann (1992, p. 287)
- Vermioxytricha* Foissner, Agatha & Berger, 2002 in Berger (2002, p. 596)
- Vermioxytricha arenicola* Foissner, Agatha & Berger, 2002 in Berger (2002, p. 600)
- Vermioxytricha muelleri* (Foissner, 1986) Foissner, Agatha & Berger, 2002 in Berger (2002, p. 607)
- Vorticella aquadulcis*-Komplex in Foissner, Berger & Kohmann (1992, p. 59) and Foissner, Berger & Schaumburg (1999, p. 486)

- Vorticella campanula* Ehrenberg, 1831 in Foissner, Berger & Kohmann (1992, p. 105) and in Berger, Foissner & Kohmann (1997, p. 249)
- Vorticella chlorellata* Stiller, 1940 in Foissner, Berger & Schaumburg (1999, p. 491)
- Vorticella convallaria*-Komplex in Foissner, Berger & Kohmann (1992, p. 84) and Berger, Foissner & Kohmann (1997, p. 251)
- Vorticella fromenteli* Kahl, 1935 in Foissner, Berger & Kohmann (1992, p. 116)
- Vorticella infusionum*-Komplex in Foissner, Berger & Kohmann (1992, p. 64)
- Vorticella marginata* Stiller, 1931 in Foissner, Berger & Kohmann (1992, p. 114)
- Vorticella mayeri* Faure-Fremiet, 1920 in Foissner, Berger & Kohmann (1992, p. 118)
- Vorticella microstoma*-Komplex in Foissner, Berger & Kohmann (1992, p. 78) and Berger, Foissner & Kohmann (1997, p. 254)
- Vorticella natans* Faure-Fremiet, 1924 in Foissner, Berger & Kohmann (1992, p. 121)
- Vorticella octava*-Komplex in Foissner, Berger & Kohmann (1992, p. 75)
- Vorticella picta* (Ehrenberg, 1831) Ehrenberg, 1838 in Foissner, Berger & Kohmann (1992, p. 101)
- Vorticella vernalis* Stokes, 1887 in Foissner, Berger & Schaumburg (1999, p. 494)
- Wallackia* Foissner, 1976 in Berger (2011, p. 206) und Lu, Huang, Shao & Berger (2018, p. 40)
- Wallackia bujoreani* (Lepsi, 1951) Berger & Foissner, 1989 in Foissner, Agatha & Berger (2002, p. 635) and Berger (2011, p. 212)
- Wallackia elegans* Foissner, Agatha & Berger, 2002 in Berger (2011, p. 227)
- Wallackia schiffmanni* Foissner, 1976 in Berger (2011, p. 209)
- Woodruffiades australis* Foissner, 1993 in Foissner, Agatha & Berger (2002, p. 1014)
- Woodruffiades metabolicus* (Johnson & Larson, 1938) Foissner, 1987 in Foissner, Agatha & Berger (2002, p. 1014)
- Woodruffiades terricola* Foissner, 1987 in Foissner, Agatha & Berger (2002, p. 1009)
- Zoogloea ramigera* Itzigsohn, 1868 in Berger, Foissner & Kohmann (1997, p. 50) (Bacteria)
- Zoothamnium arbuscula* (Ehrenberg, 1831) Ehrenberg, 1838 in Foissner, Berger & Kohmann (1992, p. 152)
- Zoothamnium kentii* Grenfell, 1884 in Foissner, Berger & Kohmann (1992, p. 158)
- Zoothamnium procerius* Kahl, 1935 in Foissner, Berger & Kohmann (1992, p. 163)
- Zosterodays transversa* (Kahl, 1928) Foissner, Berger & Kohmann, 1994 in Foissner, Berger & Kohmann (1994, p. 418)

### Replacement Names for Preoccupied Species and Genus Names

16 replacement names have been introduced.

- Cinetochilum australiense* Foissner, Berger & Kohmann, 1994; p. 249 (for *Cinetochilum marinum* Pomp & Wilbert)
- Epistylis gajewskajai* Foissner, Berger & Kohmann, 1992; p. 176 (for *Epistylis nutans* Gajewskaja)
- Holosticha holomilnei* Berger, 2001; p. 35 (for *Holosticha (Holosticha) milnei* Kahl)
- Holosticha vuxgracilis* Berger, 2006; p. 369 (for *Holosticha gracilis* Vuxanovici)
- Linostomella* Aescht in Foissner, Berger & Schaumburg, 1999; p. 655 (for *Linostoma* Jankowski)
- Nassulopsis* Foissner, Berger & Kohmann, 1994; p. 430 (for *Nassulopsis* Faure-Fremiet)
- Oxytricha alfredi* Berger, 1999; p. 125 (for *Oxytricha minor* Kahl)
- Oxytricha bicirrata* Foissner, Blatterer, Berger & Kohmann, 1991; p. 302 (for *Tachysoma fuvata* Kahl)
- Oxytricha histriomuscorum* Foissner, Blatterer, Berger & Kohmann, 1991; p. 311 (for *Oxytricha (Histrio) muscorum* Kahl)
- Oxytricha kahlovata* Berger, 1999; p. 157 (for *Oxytricha (Opisthotricha) ovata* Kahl)
- Oxytricha opisthomuscorum* Foissner, Blatterer, Berger & Kohmann, 1991; p. 311 (for *Oxytricha (Opisthotricha) muscorum* Kahl)
- Oxytricha oxymarina* Berger, 1999; p. 233 (for *Oxytricha (Oxytricha) marina* Kahl)
- Oxytricha stylomuscorum* Foissner, Blatterer, Berger & Kohmann, 1991; p. 332 (for *Oxytricha (Stylonychia) muscorum* Kahl)
- Platynematum* Foissner, Berger & Kohmann, 1994; p. 256 (for *Platynematum* Kahl)
- Sterkiella terricola* Berger, 1999; p. 682 (for *Histriculus tricirratu* Dragesco & Dragesco-Kerneis)
- Urotricha lemani* Foissner, Berger & Kohmann, 1994; p. 362 (for *Urotricha armata* Dragesco)

### Subgenera

Eight subgenera have been introduced. The original combination of the type species is mentioned.

- Apocolpodidium (Apocolpodidium)* Foissner, Agatha & Berger, 2002; p. 493. Type species (by original designation): *Apocolpodidium (Apocolpodidium) etoschense* Foissner, Agatha & Berger, 2002
- Apocolpodidium (Phagoon)* Foissner, Agatha & Berger, 2002; p. 497. Type species (by original designation): *Apocolpodidium (Phagoon) macrostoma* Foissner, Agatha & Berger, 2002
- Colpodidium (Pseudocolpodidium)* Foissner, Agatha & Berger, 2002; p. 488. Type species (by original designation): *Colpodidium (Pseudocolpodidium) bradburyarum* Foissner, Agatha & Berger, 2002
- Gastrostyla (Kleinstyla)* Foissner, Agatha & Berger, 2002; p. 723. Type species (by original designation): *Gastrostyla (Kleinstyla) bavariensis* Foissner, Agatha & Berger, 2002
- Gastrostyla (Spetastyla)* Foissner, Agatha & Berger, 2002; p. 723. Type species (by original designation): *Oxytricha mystacea* Stein, 1859

- Paragonostomum* (*Bigonostomum*) Berger, 2011; p. 184. Type species (by original designation): *Paragonostomum multinucleatum* Foissner, Agatha & Berger, 2002
- Uroleptopsis* (*Plesiouroleptopsis*) Berger, 2004; p. 114. Type species (by original designation): *Pseudokeronopsis ignea* Mihailowitsch & Wilbert, 1990
- Vorticella* (*Echinovorticella*) Foissner, Agatha & Berger, 2002; p. 553. Type species (by original designation): *Vorticella eebini* King, 1931

### Genera

70 genera have been established. The original combination of the type species is mentioned.

- Acubolosticha* Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95. Type species (by original designation): *Uroleptus parantabilis* Foissner, Agatha & Berger, 2002
- Adumbratosticha* Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 94. Type species (by original designation): *Holosticha tetracirrata* Buitkamp & Wilbert, 1974
- Afroamphisiella* Foissner, Agatha & Berger, 2002; p. 698. Type species (by original designation): *Afroamphisiella multinucleata* Foissner, Agatha & Berger, 2002
- Afrokabliella* Berger, 2011; p. 432. Type species (by original designation): *Parakabliella namibicola* Foissner, Agatha & Berger, 2002
- Anatolociirrus* Özbek & Foissner in Foissner, Agatha & Berger, 2002; p. 615. Type species (by original designation): *Anatolociirrus capari* Özbek & Foissner in Foissner, Agatha & Berger, 2002
- Antebolosticha* Berger, 2003; p. 377. Type species (by original designation): *Holosticha monilata* Kahl, 1928
- Apertospathula* Foissner, Agatha & Berger, 2002; p. 318. Type species (by original designation): *Apertospathula inermis* Foissner, Agatha & Berger, 2002
- Apocolpodidium* Foissner, Agatha & Berger, 2002; p. 492. Type species (by original designation): *Apocolpodidium* (*Apocolpodidium*) *etoschense* Foissner, Agatha & Berger, 2002
- Apocyclidium* Foissner, Agatha & Berger, 2002; p. 518. Type species (by original designation): *Cyclidium obliquum* Kahl, 1926
- Apoenchelys* Foissner, Agatha & Berger, 2002; p. 112. Type species (by original designation): *Apoenchelys bamforthi* Foissner, Agatha & Berger, 2002
- Apogastrostyla* Li, Huang, Song, Shin, Al-Rasheid & Berger, 2010; p. 196. Type species (by original designation): *Oxytricha* (*Tachysoma*) *rigescens* Kahl, 1932
- Apospathidium* Foissner, Agatha & Berger, 2002; p. 334. Type species (by original designation): *Apospathidium terricola* Foissner, Agatha & Berger, 2002
- Apourosomoida* Foissner, Agatha & Berger, 2002; p. 759. Type species (by original designation): *Apourosomoida halophila* Foissner, Agatha & Berger, 2002
- Apsiktrata* Foissner, Berger & Kohmann, 1994; p. 319. Type species (by original designation): *Urotricha gracilis* Penard, 1922
- Arcuseries* Huang, Chen, Song & Berger, 2014; p. 345 (published in 2013). Type species (by original designation): *Antebolosticha petzji* Shao, Gao, Hu, Al-Rasheid & Warren, 2011
- Bibolosticha* Berger, 2003; p. 378. Type species (by original designation): *Holosticha* (*Holosticha*) *discocephalus* Kahl, 1932
- Bilamellobrya* Foissner, Agatha & Berger, 2002; p. 170. Type species (by original designation): *Bilamellobrya australiensis* Foissner, Agatha & Berger, 2002
- Birojimia* Berger & Foissner, 1989; p. 25. Type species (by original designation): *Birojimia terricola* Berger & Foissner, 1989
- Bistichella* Berger, 2008; p. 532. Type species (by original designation): *Paraurostyla buitkampii* Foissner, 1982
- Caudiampphiella* Berger, 2008; p. 129. Type species (by original designation): *Amphisiella antarctica* Wilbert & Song, 2005
- Caudiholosticha* Berger, 2003; p. 377. Type species (by original designation): *Holosticha stueberi* Foissner, 1987
- Caudikeronopsis* Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 96. Type species (by original designation): *Caudiholosticha marina* Li, Chen & Xu, 2016
- Clavoplites* Foissner, Agatha & Berger, 2002; p. 212. Type species (by original designation): *Clavoplites edaphicus* Foissner, Agatha & Berger, 2002
- Declivistoma* Foissner, Agatha & Berger in Berger & Al-Rasheid (2008; p. 74)
- Dioplitophrya* Foissner, Agatha & Berger, 2002; p. 199. Type species (by original designation): *Diplitophrya otti* Foissner, Agatha & Berger, 2002
- Dragescozoon* Foissner, Agatha & Berger, 2002; p. 912. Type species (by original designation): *Dragescozoon terricola* Foissner, Agatha & Berger, 2002
- Echinomeseres* Berger, 2011; p. 352 (Echinodermata). Type species (same as for *Meseres* Ludwig, 1893): *Meseres macdonaldi* Ludwig, 1893
- Enchelaria* Foissner, Agatha & Berger, 2002; p. 220. Type species (by original designation): *Enchelaria multinucleata* Foissner, Agatha & Berger, 2002
- Epitholiolus* Foissner, Agatha & Berger, 2002; p. 164. Type species (by original designation): *Lacrimaria chilensis*, Bürger, 1906
- Erimophrya* Foissner, Agatha & Berger, 2002; p. 791. Type species (by original designation): *Erimophrya glatzeli* Foissner, Agatha & Berger, 2002
- Etoschophrya* Foissner, Agatha & Berger, 2002; p. 986. Type species (by original designation): *Etoschophrya oscillatoriophaga* Foissner, Agatha & Berger, 2002
- Etoschobrix* Foissner, Agatha & Berger, 2002; p. 593. Type species (by original designation): *Etoschobrix terricola* Foissner, Agatha & Berger, 2002
- Exocolpoda* Foissner, Agatha & Berger, 2002; p. 921. Type species (by original designation): *Colpoda angustini* Foissner, 1987
- Extrabolosticha* Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 93. Type species (by original designation): *Holosticha sylvatica* Foissner, 1982
- Hemiurosoma* Foissner, Agatha & Berger, 2002; p. 834. Type species (by original designation): *Hemiurosoma terricola* Foissner, Agatha & Berger, 2002

- Heteroxytricha* Shao, Song, Al-Rasheid & Berger, 2011; p. 276 (published in 2012). Type species (by original designation): *Hemigastrostyla szaboi* Wilbert & Song, 2005
- Lamstostylides* Berger, 2008; p. 322. Type species (by original designation): *Lamstostyla edaphoni* Berger & Foissner, 1987
- Latispathidium* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 644. Type species (by original designation): *Spathidium lanceoplites* Foissner, Agatha & Berger, 2002
- Limnolosticha* Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 95. Type species (by original designation): *Holosticha (Holosticha) navicularum* Kahl, 1932
- Maregastrostyla* Berger, 2008; p. 136. Type species (by original designation): *Stilonichia pulchra* Pereyaslawzewa, 1886
- Membranicola* Foissner, Berger & Schaumburg, 1999; p. 626. Type species (by original designation): *Membranicola tamari* Foissner, Berger & Schaumburg, 1999
- Multilosticha* Li, Lyu, Li, Fan, Al-Farraj, Shao & Berger, 2017; p. 96. Type species (by original designation): *Holosticha multicaudicirrus* Song & Wilber, 1989
- Nassulides* Foissner, Agatha & Berger, 2002; p. 413. Type species (by original designation): *Nassula picta* Greeff, 1888
- Neobakuella* Li, Khan, Ji, Shin & Berger, 2011; p. 349. Type species (by original designation): *Neobakuella flava* Li, Khan, Ji, Shin & Berger, 2011
- Neovallackia* Berger, 2011; p. 280. Type species (by original designation): *Gonostomum franzi* Foissner, 1982
- Nudiamphisiella* Foissner, Agatha & Berger, 2002; p. 693. Type species (by original designation): *Nudiamphisiella interrupta* Foissner, Agatha & Berger, 2002
- Obliquostoma* Foissner, Agatha & Berger, 2002; p. 115. Type species (by original designation): *Obliquostoma enchehydontides* Foissner, Agatha & Berger, 2002
- Otomphrya* Foissner, Agatha & Berger, 2002; p. 967. Type species (by original designation): *Platyophryides dragescoi* Foissner, 1987
- Paracladotricha* Shao, Li, Zhang, Song & Berger, 2014; p. 373, 379 (invalid; see Shao, Li, Zhang, Song & Berger 2017). Type species (by original designation): *Paracladotricha salina* Shao, Li, Zhang, Song & Berger, 2014
- Paracladotricha* Shao, Li, Zhang, Song & Berger, 2017; p. 901. Type species (by original designation): *Paracladotricha salina* Shao, Li, Zhang, Song & Berger, 2017
- Paragonostomum* Foissner, Agatha & Berger, 2002; p. 819. Type species (by original designation): *Paragonostomum caudatum* Foissner, Agatha & Berger, 2002
- Parakabliella* Berger, Foissner & Adam, 1985; p. 309. Type species (by original designation): *Paraurostyla macrostoma* Foissner, 1982
- Pelagodileptus* Foissner, Berger & Schaumburg, 1999; p. 232. Type species (by original designation): *Dileptus trachelioides* Zacharias, 1894
- Pelagolacrymaria* Foissner, Berger & Schaumburg, 1999; p. 265. Type species (by original designation): *Pelagolacrymaria moserae* Foissner, Berger & Schaumburg, 1999
- Pelagobrix* Foissner, Berger & Schaumburg, 1999; p. 395. Type species (by original designation): *Pelagobrix chlorelligera* Foissner, Berger & Schaumburg, 1999
- Plagiocampides* Foissner, Agatha & Berger, 2002; p. 547. Type species (by original designation): *Plagiocampides halophilus* Foissner, Agatha & Berger, 2002
- Plesiocaryon* Foissner, Agatha & Berger, 2002; p. 962. Type species (by original designation): *Balantiophorus elongatus* Schewiakoff, 1892
- Pseudobolophrya* Berger, Foissner & Adam, 1984; p. 341. Type species (by original designation): *Pseudobolophrya terricola* Berger, Foissner & Adam, 1984
- Pseudokabliella* Berger, Foissner & Adam, 1985; p. 309. Type species (by original designation): *Kabliella marina* Foissner, Adam & Foissner, 1982
- Rigidocortex* Berger, 1999; p. 717. Type species (by original designation): *Australocirrus octonucleatus* Foissner, 1988
- Rigidohymena* Berger, 2011; p. 547. Type species (by original designation): *Steinia tetracirrata* Gellért, 1942
- Rubrioxxytricha* Berger, 1999; p. 479. Type species (by original designation): *Oxytricha haematoplasma* Blatterer & Foissner, 1990
- Saudithrix* Foissner, Al-Rasheid & Berger in Berger, Al-Rasheid & Foissner, 2006; p. 267. Type species (by original designation): *Saudithrix terricola* Foissner, Al-Rasheid & Berger in Berger, Al-Rasheid & Foissner, 2006
- Semispithidium* Foissner, Agatha & Berger, 2002; p. 327. Type species (by original designation): *Semispithidium enchehydontides* Foissner, Agatha & Berger, 2002
- Sterkiella* Foissner, Blatterer, Berger & Kohmann, 1991; p. 311. Type species (by original designation): *Oxytricha cavicola* Kahl, 1935
- Styxophrya* Foissner, Yeo Moon-van der Staay, van der Staay, Hackstein, Krautgartner & Berger, 2004; p. 279. Type species (by original designation): *Onychodromus quadricornutus* Foissner, Schlegel & Prescott, 1987
- Terricirra* Berger & Foissner, 1989; p. 35. Type species (by original designation): *Perisincirra viridis* Foissner, 1982
- Territricha* Berger & Foissner, 1988; p. 127. Type species (by original designation and monotypy): *Territricha stramenticola* Berger & Foissner, 1988
- Vermioxytricha* Foissner, Agatha & Berger, 2002; p. 749. Type species (by original designation): *Vermioxytricha arenicola* Foissner, Agatha & Berger, 2002
- Wolfkosia* Foissner, Agatha & Berger, 2002; p. 458. Type species (by original designation): *Wolfkosia loeffleri* Foissner, Agatha & Berger, 2002

#### Suprageneric Taxa

12 suprageneric taxa have been established.

- Acaudalia Berger, 2006; p. 749
- Apsikratidae Foissner, Berger & Kohmann, 1994; p. 319
- Colpodidiida Foissner, Agatha & Berger, 2002; p. 464
- Dorsomarginalia Berger, 2006; p. 38
- Enchelyodontidae Foissner, Agatha & Berger, 2002; p. 121
- Exocolpodidae Foissner, Agatha & Berger, 2002; p. 921
- Fuscheriidae Foissner, Agatha & Berger, 2002; p. 189
- Perilemmaphora Berger, 2008; p. 37
- Pseudoholophryidae Berger, Foissner & Adam, 1984; p. 340
- Retroextendia Berger, 2006; p. 732
- Stylonychinae Berger & Foissner, 1997; p. 149

Trachelophyllina Foissner, Agatha & Berger, 2002; p. 142

### Corrected Names

17 names have been corrected.

- Colpodidium (Colpodidium) viride* (Mirabdullayev, 1986) Jankowski, 1992 in Foissner, Agatha & Berger (2002, p. 467)
- Ctedoctema acanthocryptum* Stokes, 1884 (for *Ctedoctema acanthocrypta*) in Foissner, Berger & Kohmann (1994, p. 294)
- Euplotopsis apsberonica* (Agamaliyev, 1966) Borror & Hill, 1995 in Foissner, Agatha & Berger (2002, p. 868)
- Euplotopsis bisulcata* (Kahl, 1932) Borror & Hill, 1995 in Foissner, Agatha & Berger (2002, p. 868)
- Euplotopsis encystica* (Yonezawa, 1985) Borror & Hill, 1995 in Foissner, Agatha & Berger (2002, p. 868)
- Euplotopsis lata* (Kahl, 1932) Borror & Hill, 1995 in Foissner, Agatha & Berger (2002, p. 868)
- Euplotopsis tegulata* (Tuffrau, 1960) Borror & Hill, 1995 in Foissner, Agatha & Berger (2002, p. 868)
- Frontonia roqueae* Dragesco, 1970 in Foissner, Agatha & Berger (2002, p. 504)
- Gonostomum gonostomoidum* (Hemberger, 1985) Berger, 1999 in Berger (2011, p. 158)
- Pedohymena australiensis* Foissner, 1995 in Foissner, Agatha & Berger (2002, p. 466)
- Philasterides armatus* (Kahl, 1926) Kahl, 1931 (for *Philasterides armata*) in Foissner, Berger & Kohmann (1994, p. 224)
- Strongylidium arenicolum* Dragesco, 1953 in Berger (2011, p. 681)
- Supraspathidium multistriatum* Foissner & Didier, 1981 in Foissner, Agatha & Berger (2002, p. 278)
- Tachysoma multinucleatum* Gong & Choi, 2007 in Li, Huang, Song, Shin, Al-Rasheid & Berger (2010, p. 209)
- Teuthophrys africana* Dragesco & Dragesco-Kerneis, 1986 (for *Teuthophrys africanus*) in Foissner, Berger & Schaumburg (1999, p. 238)
- Uroleptus ellipticus* Wang & Nie, 1933 in He, Shi, Shao, Chen & Berger (2011, p. 198)
- Urostylidae Dallas, 1851 (for Urostylidae) in Berger, Heiss & Kerzhner (2001, p. 301) (Insecta, Heteroptera)

### New Communities

Nine new communities have been described.

- Carchesietum polypinae Foissner, Berger, Blatterer & Kohmann, 1995; p. 123
- Cyrtophoretea Foissner, Berger, Blatterer & Kohmann, 1995; p. 126
- Karyorelictidetea Foissner, Berger & Schaumburg, 1999; p. 54
- Marynetum Foissner, Berger, Blatterer & Kohmann, 1995; p. 130
- Metopetum Foissner, Berger & Kohmann, 1992; p. 313 (see also Foissner, Berger, Blatterer & Kohmann 1995, p. 119)
- Oligotrichetea Foissner, Blatterer, Berger & Kohmann, 1991; p. 131
- Peritrichetea Foissner, Berger & Kohmann, 1992; p. 47
- Pleuronemetum coronatae Foissner, Berger & Kohmann, 1995; p. 125
- Stentoretum Foissner, Berger, Blatterer & Kohmann, 1995; p. 124

### Nomina nuda

Two nomina nuda have been published.

*Oxytrichides* Foissner, Berger, Xu & Zechmeister-Boltenstern, 2005; p. 633

*Parurosoma granulifera* Berger (in Foissner, Blatterer, Berger & Kohmann, 1991, p. 261)

### Scientific Projects

From 2001 until 2017 I could land five scientific projects sponsored by the Austrian tax payers via the Austrian Science Fund (FWF) and the Austrian Academy of Sciences. For details on projects, see [https://www.protozoology.com/sci/sci\\_projects.htm](https://www.protozoology.com/sci/sci_projects.htm). Below you find the summary or final report of each project and the list of works published during each project. Three major works (Monograph of hypotrichs, volumes 5 and 6, and the Monograph of *Euplotoides*) are not yet finished.

FWF Project - P14778-Bio

#### Monograph of the Urostylids (Ciliophora, Hypotricha). - A Biodiversity Study

##### End of Project Report

The Urostyloidea (= urostyloids) are a group of ciliates (= Ciliophora) whose members occur in all major biotops, that is, freshwater, sea, and soil. The goal of the project was to summarise the present knowledge (supplemented by own data) about these single-celled organisms in a critical revision. The book will have about 1200 printed pages and will be published by Springer.

The classification of the hypotrichous ciliates is basically done according to the arrangement of the cirri, which are compact bundles of cilia on the ventral side of the dorso-ventrally flattened cells. The urostyloids are characterised by the zigzagging arranged ventral cirri which form the so-called midventral pattern. This pattern originates by the longitudinal arrangement of cirral pairs which are produced from oblique cirral anlagen during cell division. In the present review 32 genera comprising 148 species are considered as valid. The urostyloids are divided into four subgroups, the Holostichidae, the Bakuellidae, the Urostylidae, and the Epiclintidae.

The genus *Uroleptus* is also characterised by zigzagging ventral cirri. Thus, it was included in the urostyloids in previous classifications. However, molecular data suggest that *Uroleptus* is more closely related to other hypotrich taxa than to typical urostyloid representatives as, for example, *Urostyla* and *Holosticha*. To harmonise morphological and molecular taxonomy, we established the CEUU (Convergent Evolution of Urostylids and Uroleptids) hypothesis (Foissner et al. 2004). It suggests that the zigzagging cirral pattern evolved convergently by inserting additional anlagen between the six anlagen which belong to the ground pattern of the Hypotrichs. This hypothesis can also explain some deviating cirral patterns in other groups, for example, that of the oxytrichids *Pattersoniella* and *Territricha*. Beside molecularbiological features, the



CEUU-hypothesis is supported by at least one good morphological feature (Berger 2006).

The revision should not only serve as standard for ciliatologists, but it should also be a "field guide" for limnologists, soil biologists, and marine biologists.

*Project website*

<https://www.protozoology.com/projects/urostyloidea/index.html>

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Foissner W., Moon-van der Staay S. Y., Moon-van der Staay G. W., Hackstein J.H.P, Krautgartner W.-D. & Berger H. (2004): Reconciling classical and molecular phylogenies in the stichotrichines (Ciliophora, Spirotrichea), including new sequences from some rare species. – Eur. J. Protistol. **40**: 265–281.

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Berger H. & Foissner W. (2003): Illustrated guide and ecological notes to ciliate indicator species (Protozoa, Ciliophora) in running waters, lakes, and sewage plants. – Steinberg, Calmano, Klapper & Wilken (eds.): Handbuch Angewandte Limnologie, ecomed Verlag, Landsberg am Lech, 17. Erg.Lfg. 10/03: 160 pp.

Berger H. (2006): Monograph of the Urostyloidea (Ciliophora, Hypotricha). – Monographiae Biologicae **85**: i–xvi, 1–1303.

Peer-reviewed papers

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Berger (2003): Redefinition of *Holosticha* Wrzesniowski, 1877 (Ciliophora, Hypotricha). – Europ. J. Protistol. **39**: 373–379.

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Berger (2004): *Uroleptopsis* Kahl, 1932 (Ciliophora: Hypotricha): morphology and cell division of type species, redefinition, and phylogenetic relationships. – Acta Protozool. **43**: 99–121.

Foissner W., Moon-van der Staay S. Y., Moon-van der Staay G. W., Hackstein J. H. P., Krautgartner W.-D. & Berger H. (2004): Reconciling classical and molecular phylogenies in the stichotrichines (Ciliophora, Spirotrichea), including new sequences from some rare species. – Europ. J. Protistol. **40**: 265–281.

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Berger H. (2001): Catalogue of the names of hypotrichous ciliates. – **11th** International Congress of Protozoology (15.–19.07.2001), Salzburg, Austria; p. 72.

Berger H. (2003): *Uroleptopsis* Kahl, 1932 (Ciliophora), a valid pseudokeronopsid genus. – International Conference on the Molecular Biology and Biotechnology of Ciliates and Anaerobic Protozoa in connection with **22nd** Annual Meeting of the German Society for Protozoology (04.–08.03.2003), Nijmegen, The Netherlands; p. 49.

Berger H. (2003): Redefinition of *Holosticha* Wrzesniowski, 1877 (Ciliophora, Hypotricha). – **4th** European Congress of Protistology and 10th European Conference on Ciliate Biology (31.08.–05.09.2004), San Benedetto, Italy; p. 21.

Berger H., Moon-van der Staay S. Y., Moon-van der Staay G. W., Hackstein J. H. P., Krautgartner W.-D. & Foissner W. (2004): Reconciling morphological and 18S rRNA phylogenies in the stichotrichines (Ciliophora, Spirotrichea), including new sequences from some rare species. – **23.** Jahrestagung der Deutschen Gesellschaft für Protozoologie (03.03.–06.03.2004), Innsbruck, Austria; p. 5.

Schmidt S. L., Bernhard D., Foissner W., Berger H. & Schlegel M. (2004): Phylogenetische Analyse der Spirotrichea (Ciliophora) mittels Gensequenzen der small subunit (ssu) rDNA. – **23.** Jahrestagung der Deutschen Gesellschaft für Protozoologie (03.03.–06.03.2004), Innsbruck, Austria; p. 52.

Schmidt S. L., Bernhard D., Foissner W., Berger H. & Schlegel M. (2004): Phylogenetic analysis within the class Spirotrichea (Ciliophora) inferred from small subunit (ssu) rDNA. – **97.** Jahrestagung der Deutschen Zoologischen Gesellschaft (31.05.–04.06.2004), Rostock, Abstract V-S1.3 on p. 174.

Kleine Einzeller - ganz groß. Ein Zoologe erfasst eine spezielle Gruppe der Wimpertiere. – Universum. Das schönste Magazin Österreichs, Nr. 6, Juni 2004: page 100.

APART Project - 10940

**Monograph of the Hypotrichs (Ciliophora). Part 3. A Biodiversity Study**

*Report*

For non-taxonomists, revisions and monographs are often the main source of information about a group of organisms. Monographs are also appreciated by specialists because time-consuming enquiries about, for example, nomenclature, taxonomy, or ecology can be avoided. Further, the diversity of a higher taxon is thoroughly documented. Part 3 of the monograph of hypotrichs contains all genera which do not belong to the oxytrichids (Berger 1999), urostylids (Berger 2005), or the euplotine spirotrichs. According to Berger (2001; updated version, see <http://protozoology.com>) about 77 genera comprising circa 240 species are concerned. They belong to various higher taxa, for example, the Amphisiellidae, the Kahliliidae, the Strongylidae. On the assumption that 30–50% of the species are synonyms, species indeterminata, or species belonging to other higher taxa, about 120–170 valid species are

known at present. The last detailed revision of hypotrichous ciliates (stichotrichs according to a new terminology) was published by Kahl (1932). A short review was provided by Borror (1972). The Monograph of Hypotrichs. Part 3 will be organized like the monograph of the oxytrichids already published by the applicant (Berger 1999). A copy of this almost 1100 pages long treatise should serve as example. The present monograph will be published by Buckhuys Publishers (The Netherlands).

The project is planned over a three year period and comprises the following parts: (i) Critical inventory and monographic treatment of the available data since 1758. The data about the genera treated are distributed in about 1500 papers. About 50% of the three-year period are estimated for this part. (ii) Morphological investigation of species using live observation and silver staining. About 20% of time are estimated. (iii) Investigation of morphogenesis of some key species. Morphogenetic data are often very useful for the analysis of phylogenetic relationships of hypotrichs (Berger & Foissner 1997). About 20% of time are estimated. (iv) Cladistic analysis of urostylids using traditional methods and computer programs. About 5% of time are estimated. (v) Investigation of some key species by molecularbiological methods in collaboration with the group of Prof. Dr. Martin Schlegel, University of Leipzig, Germany. Within the oxytrichid hypotrichs molecularbiological investigations provided many, very useful data to elucidate the phylogeny. About 5% of time are estimated for isolation and cultivation.

The experience tells me that about 5.5 printed pages on average are necessary for a thorough revision of a ciliate species. Thus, the present monograph (Part 3) will be about 700 to 1000 pages long. I hope that this part of the monograph of hypotrichs will be, like the other parts, a standard for the next 50 to 100 years!

#### Project website

<https://www.protozoology.com/apart/index.html>

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#### FWF Project - P20569-B17

#### Monograph of the Hypotricha (Ciliophora). Part 5

#### Final report

The Hypotricha are a group of the Ciliophora (= ciliates) which is common in freshwater, saltwater (sea, salt lakes), and soil. The ciliates are single-celled microorganisms with a true nucleus, which is composed of two components (macronucleus and micronucleus). Since 1758, the beginning of zoological nomenclature, about 1000 hypotrichs – distributed in about 200 genera – have been described. The last detailed revision of species was provided by Kahl (1932, *Tierwelt Dtl.*, 25, 399–650). However, since then many new species have been discovered, mainly from soil and the sea, and a high number of the longknown species has been redescribed with modern methods. Mainly for that reason at thorough revision of the hypotrichs has been started about 25 years ago. Prior to the present project three volumes were already available (*Oxytrichidae*, Berger 1999, *Monographiae Biologicae* [MB, Springer Publisher] 78: 1092 S; *Urostyloidea*, Berger 2006, MB

85: 1318 S; Amphiseliidae and Trachelostylidae, Berger 2008, MB 88, 753 S), supported, inter alia, by the Austrian Science Fund FWF and the AAS. In the framework of this project (1 person, 3 years, 20 h per week) smaller, rather difficult subgroups of the hypotrichs have been treated, inter alia the Gonostomatidae and the Uroleptidae. The gonostomatids have been published in volume 4, together with the Kahliellidae (Berger 2011, MB 90, 755 S). Volume 5 of the monograph is still in process and will be published very likely in early 2012. The genus *Gonostomum* was already revised in volume 1 (Oxytrichidae); however, the new interpretation of morphological data on the basis of molecular trees resulted in new hypotheses. Accordingly, this and related genera (e.g., *Wallackia*, *Paragonostomum*) very probably do not belong to the oxytrichids, but they obviously split off near the base of the Hypotricha tree. The kahliellids are likely a heterogeneous group and characterised by the preservation of parental cirri and/or dorsal bristles in postdividers. The uroleptids, previously assigned to the urostyloids because in both groups the ventral cirri form a conspicuous zigzag pattern, belong to the so-called “non-oxytrichid Dorsomarginalia”, a paraphyletic group with a dorsal bristle row pattern which is somewhat more complex than that of the gonostomatids, urostyloids, and amphiseliids, but not so complex like that of the oxytrichids. The uroleptids are not only taxonomically difficult, but also nomenclaturally because Ehrenberg, who described the genus in 1831, did not fix a typical species; in addition, the subsequent fixation by Borrer in 1972 is also not beyond dispute. Volume 5 is the penultimate part of the Monograph of Hypotrichs.

#### Project website

[https://www.protozoology.com/projects/monograph\\_part-5/index.html](https://www.protozoology.com/projects/monograph_part-5/index.html)

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Berger H. (2008): How did the last common ancestor of the hypotrichs (Ciliophora, Spirotricha) look like? – 27th Annual Meeting of the German Society of Protozoology, March 5–8, 2008, Warnemünde, Rostock. Abstract on p. 30 of Abstract booklet.

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## FWF Project - P23415-B17

## Monograph of the Hypotricha (Ciliophora). Volume 6

## Final report

The major goal of the present project (1 person, 3 years, 20 h per week) was to write the final volume of a monographic series about the hypotrichous ciliates. Ciliates are microorganisms (mostly 0.05–0.30 mm long) which have a nucleus composed of two parts, the macronucleus and the micronucleus. Hypotrichs are mainly characterised by (i) cirri (= bundles of cilia) on the ventral side; (ii) a prominent oral apparatus composed of an adoral zone and two undulating membranes; and (iii) rows of bristles (= usually short, stiff cilia) on the dorsal side. Hypotrichs have a worldwide distribution and live in all major habitats, namely freshwater (lakes, ponds, running waters), saltwater (sea, salt lakes), and soil. Research on hypotrichs started with Otto Friedrich Müller who published his main results in 1773 and 1786. In the 1800s, Ehrenberg, Stein, and several other workers from Europe and North America (e.g., Stokes) described many species from limnetic and marine habitats. In the early 20th century, Alfred Kahl – a German teacher – wrote the last detailed revision (about 130 pages) of this group of ciliates. Since then, many further new species have been described, mainly from terrestrial habitats (for example by the Foissner-group, Austria) and marine sites in the Yellow Sea, China (Song-group). The first volume of the series was published in 1999 (Oxytrichidae), the second in 2006 (Urostyloidea), the third in 2008 (Amphisiellidae and Trachelostylidae), and the fourth in 2011 (Gonostomatidae and Kahliliellidae). The penultimate part will appear in 2014 and deals mainly with two difficult groups, the Uroleptidae and Keronopsidae. The last volume treats all taxa not yet revised in the previous volumes, among others those species that have a twisted body. An important part of volume 6 will be a key to all taxa revised in the six-volume treatise. Other major parts are introductions to the groups and details about synonymy, nomenclature, taxonomy, morphology, and occurrence and ecology of each species. In addition, for each species almost all figures published so far as well as some original data are included so that the user gets a comprehensive overview about the biology of the hypotrichs without searching more than 7.000 papers published since 1758, the starting point of zoological nomenclature. The whole series will comprise more than 5000 pages. Besides volume 6, six peer-reviewed, multi-authored papers dealing with sophisticated taxonomic problems of hypotrichs result from the present project. Molecular data in combination with detailed analyses of morphological and ontogenetic features indicated that some species have been misclassified previously. It is estimated that only a small part (about 800 valid species) of all existing species of hypotrichs has been discovered so far. Consequently, the phylogenetic relationships within the group are not yet fully understood although there are some taxa which seem to have a stable position within the many trees published each year. Thus, the monographic series on the hypotrichs is “only” a preliminary study summarizing the hypotrich research of the past 250 years. However, the treatise, including volume 6, is not only important for basic research, but

it is also a usable tool for practitioners who, for example, have to evaluate the quality of running waters and lakes. Last but not least, it should be mentioned that the series could never have been written without the generous support by the Austrian Science Fund (3 projects) and the Austrian Academy of Sciences (1 project). For more details on the project, see [http://www.protozoology.com/Monograph\\_volume\\_6/index.html](http://www.protozoology.com/Monograph_volume_6/index.html)

## Project website

[https://www.protozoology.com/Monograph\\_volume\\_6/index.html](https://www.protozoology.com/Monograph_volume_6/index.html)

## Published works

## Books

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## Papers

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- Berger H. (2013): Nomenclator Ciliophorum and Monograph of the Hypotricha, two works documenting the biodiversity of ciliates (Ciliophora) – **2nd** BioSyst.EU Meeting, February 18–22, 2013, Vienna. Abstract on p. 27 of Abstract booklet.
- Berger H. (2012): Monograph of the Hypotricha and Nomenclator Ciliophorum, two useful works for all who deal with ciliates. – **31th** Annual Meeting of the German Society of Protozoology, March 1–3, 2012, Wuppertal. Abstract on p. 96 of Abstract booklet.
- Weisse T., Moser M., Scheffel U., Stadler P., Berendonk T., Weithoff G. & Berger H. (2012): Morphology, phylogenetic relationships, and pH response of two as yet undescribed *Oxytricha* species (Ciliophora, Hypotricha) – **31th** Annual Meeting of the German Society of Protozoology, March 1–3, 2012, Wuppertal. Abstract on p. 110 of Abstract booklet.
- Berger H. (2011): Monograph of the Hypotricha (Ciliophora): final spurt. – **VI** European Congress of Protistology, 25–29 July 2011, Berlin, Germany, Abstract booklet, p. 42. Abstract.
- Shao C., Song W. & Berger H. (2011): A new species of *Hemigastrostyla* and notes on the non-monophyly of some oxytrichid genera (Ciliophora, Hypotricha). – **VI** European Congress of Protistology, 25–29 July 2011, Berlin, Germany, Abstract booklet, p. 113–114. Abstract.

#### FWF-Project P26974-B25

### Monograph of the family Euplotidae Ehrenberg, 1838 (Ciliophora, Spirotrichea)

#### Final report

The FWF-project “Monograph of the family Euplotidae Ehrenberg, 1838 (Ciliophora, Spirotrichea)” deals with single-celled organisms belonging to the ciliated protozoa (= ciliates or Ciliophora). The generally known *Paramecium* (“slipper animalcule”) and the “bell animalcules” (e.g., Vorticella) are also ciliates, however, they belong to different subgroups. The main goal of the project was to compose a book (a monograph) about the species of the family Euplotidae. A monograph treats the systematics (morphology, ecology, genealogical relationships, distribution, etc.) of a group in the most complete detail possible (Winston 1999, p. 121; “Describing species”, Columbia Univ. Press). The present monograph is basically a sequel of a series treating a closely related group of ciliates, the hypotrichs; for details on this group, see <https://www.protozoology.com/monograph/index.html>. Originally, it was planned to treat all species of the family in a single volume. About 170 species have been described since 1758, the beginning of zoological nomenclature. Until 1978, almost all species have been classified in the genus *Euplotes* Ehrenberg, 1830. Later, this genus was split and the present monograph deals with the members of the genus *Euplotoides* Borror & Hill, 1995 and some little-known species perhaps also belonging to this genus. *Euplotoides* species have several interesting features in common (e.g., nine frontoventral cirri, a double silverline pattern on the dorsal side, symbiotic bacteria) and live mainly in freshwater. The monograph comprises

16 valid species, several of them are very well known, for example, *E. patella*, *E. eurystomus*, *E. aediculatus*. However, in total 42 nominal species and subordinate taxa (subspecies, varieties, forms) are treated. The 26 invalid taxa are either junior synonyms of the valid species or species which cannot be recognized from the original description (species indeterminata). About 2000 papers about *Euplotoides* species have been published between 1773 and 2017. The common *Euplotoides patella* (type species of the genus) was already discovered by Müller (1773; Vermium Terrestrium et Fluviatilium, Heineck & Faber) and is thus mentioned in more than 700 papers. Each of the about 550 faunistic records from the literature is listed in detail and thus the monograph is the first work where the geographic distribution of this and the other species is presented comprehensively. Three species (*E. patella*, *E. eurystomus*, *E. aediculatus*) are used as biological indicators of water quality and thus the monograph is not only very useful for taxonomists dealing with ciliates, but also valuable for practitioners dealing with water quality or sewage treatment. Another important topic of the monograph is nomenclature (= assigning names to the groupings found). All scientific names mentioned in the monograph are explained in detail and registered in ZooBank, the official registry of zoological nomenclature ([www.zoo-bank.org](http://www.zoo-bank.org)). The book will be published in Denisia (Linz, Upper Austria) in 2018. Data on funding: 1 person (Helmut Berger); 3 years (July 1, 2014 to June 30, 2017); 20 h/week; amount granted: 102,474.01 Euro; used: 96,657.48 Euro. Further details, see project website: [https://www.protozoology.com/monograph\\_euplotidae/index.htm](https://www.protozoology.com/monograph_euplotidae/index.htm) Acknowledgements: The financial support by the Austrian Science Fund FWF is greatly acknowledged. Many thanks to the anonymous reviewers.

#### Project website

[https://www.protozoology.com/monograph\\_euplotidae/index.htm#xl\\_xr\\_page\\_index](https://www.protozoology.com/monograph_euplotidae/index.htm#xl_xr_page_index)

#### Published works

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- Shao C., Li L., Zhang Q., Song W. & Berger H. (2017): Corrigendum to “Molecular phylogeny and ontogeny of a new ciliate genus, *Paracladotricha salina* n.g., n.sp. (Ciliophora, Hypotrichia) by Shao et al. 2014”. – The Journal of Eukaryotic Microbiology **64**: 901–902. Correction for Shao et al. (2014) where we have forgotten to include the ZooBank registration in the work itself; thus, the new genus and the new species established in this online-only paper are not available.
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Forstwirtschaft, Umwelt und Wasserwirtschaft, Wien; pp. 1–31, 1–11, 1–2, 1–18

Berger H. (2017/2018): Monograph of *Euplotoides* Borror & Hill, 1995 (Ciliophora, Spirotricha, Euplotidae). – Denisia, in preparation.

## Publications

Below you find a list of all 125 works (16 books, 58 papers, 52 abstracts) published by me and several co-authors from 1983 until now. The works are listed alphabetically according to the authors. Single-authored works are listed first, followed by works with two authors and three or more authors. Works with same authors are listed chronologically. Works with same authors(s) and year are not distinguished further, for example, by a letter. For each taxonomically relevant work the Zoo-Bank registration number is given. Most papers and abstracts and some books can be downloaded from my website (<https://www.protozoology.com/sci/publications.htm#top>). Send an e-mail to [office@protozoology.com](mailto:office@protozoology.com) to get the username and password for free download.

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- Aescht E., Foissner W., Blatterer H., Kohmann F. & Berger H. (2017): Ciliophora (Ciliates). – In: Moog O. & Hartmann A. (Eds): *Fauna Aquatica Austriaca*; 3. Lieferung. Wasserwirtschaftskataster, Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft, Wien; pp. 1–31, 1–11, 1–2, 1–18
- Aescht E., Foissner W., Blatterer H., Kohmann F. & Berger H. (2017): Ciliophora (Wimpertiere). – In: Moog O. & Hartmann A. (Eds): *Fauna Aquatica Austriaca*; 3. Lieferung. Wasserwirtschaftskataster, Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft, Wien; pp. 1–31, 1–11, 1–2, 1–18.
- Agatha S., Foissner W. & Berger H. (2001): New and poorly known soil ciliates from Namibia, Southwest Africa. – International Congress of Protozoology (Salzburg) **11**: 79 (Abstract).
- Barth D., Berger H., Schlegel M. & Berendonk T. (2007): Seasonal succession and high haplotype diversity in *Coleps* (Ciliophora: Prostomatida) populations of the lake Saldenbach. **37th** Ann. Conference of the Ecological Society of Germany, Switzerland and Austria (GfÖ), September 10–14, 2007, Marburg, Germany. *Verhandlungen der Gesellschaft für Ökologie* Band **37** (ISBN 978-3-89533-594-5). Abstract on p. 546.
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The present work is a summary of my taxonomic output since 1983 when I published my first scientific work. Since then, my co-authors (mainly W. Foissner) and I have published 126 works which contain: one (un-named) variant; 19 new subspecies; 185 new species; eight new subgenera; 70 new genera; 12 new suprageneric taxa; nine new communities; and two nomina nuda. In addition, we made 284 combinations, about 1600 rede-scriptions and/or reviews of 1453 taxa, and 47 changes in rank; 17 names have been corrected. All these taxa and names are listed, including reference and page number so that they can be found easily in my publications. Five scientific projects, approved by the Austrian Science Fund (FWF) and the Austrian Academy of Sciences and made between 2001 and 2017, are briefly presented. In total, 126 works (16 books; 58 papers; 52 abstracts) have been published. All taxonomically relevant works are registered in ZooBank.

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