

Synthesis of Brazilian Rotifera: An updated list of species

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ABSTRACT: A checklist of species of Rotifera recorded for Brazilian inland waters is provided. A total of 625 species, with representatives from 84 genera are listed. The list comprises reports of rotifers documented in 132 studies, including regional ecological (58%) and taxonomic/biodiversity (42%) studies carried out until early of the year 2012. More than 75% of the species were recorded from the states of Pará, São Paulo, Mato Grosso do Sul, Paraná, Rio de Janeiro, Pernambuco, and Minas Gerais. We hope that this survey will serve as a baseline for future studies.

INTRODUCTION

Rotifera is a group of minute, primarily freshwater invertebrates (Segers 2008). This taxon comprises transparent microscopic eutelic metazoans (50-2000 μm), with three main body regions: head, trunk, and foot (Fontaneto *et al.* 2008). Although the morphology of different species varies widely, all of them possess a specialized masticatory organ containing a set of densely sclerotised trophi (Fontaneto *et al.* 2008).

Rotifers can be divided into two major groups: the heterogonic Monogononta and the exclusively parthenogenetic Bdelloidea (Melone *et al.* 1998; Segers 2008). A total of 1,570 valid species of Monogononta and 461 Bdelloidea are recognized worldwide, and from the Neotropics, 566 monogononts and 116 bdelloids are known (Segers 2007; 2008).

In Brazil, the first studies on the diversity of Rotifera were carried out by foreign researchers during scientific expeditions at the end of the 19th century and the beginning of the 20th (e.g., Zelinka 1891; Murray 1913). Research on rotifers has, however, increased enormously in the last 50 years from both the ecological and taxonomic points of view. Works published in this period comprise almost all that is known about the group in Brazil (for reviews, see Neumann-Leitão 1990; Medeiros and Hadel 1999; Aoyagui and Bonecker 2004a).

The first Rotifera species list in Brazil was published by Krau (1967), who listed 49 genera and 161 species. Three decades later, Oliveira-Neto and Moreno (1998) published a list reporting 49 genera and 457 species. In spite of the large amount of information in these two lists, many additional species have been recently reported from Brazil (Segers 1997; Segers and Pourriot 1997; de Paggi *et al.* 2000; Koste 2000), and new taxonomic arrangements have been proposed (Segers 1996; 2003; Bezerra-Neto *et al.* 2004; Segers and Wallace 2001; Joko *et al.* 2008; Segers and De Smet 2008). With this information, the need for an updated list becomes evident. The present study developed

a revised and updated checklist of Rotifera species recorded in Brazil. We expect that this new list will help to stimulate more research activity in this country, thereby enhancing knowledge of the diversity and significance of the Rotifera fauna.

MATERIALS AND METHODS

We critically examined the bibliographical data on Brazilian Rotifera, including theses and taxonomic and ecological literature. The literature was surveyed by searching academic databases (ISI Web of Knowledge, Zoological Record™, and Google Scholar) and scientific publications with reports of Rotifera. Whenever a record was considered doubtful, we followed Segers (2007) to elucidate questionable nomenclature and the status of the species. Species for which we were not able to confirm the status are included in Table 1.

In the present list, the genus and species names are arranged alphabetically in order to facilitate the search for a given taxon. No specimens were re-examined, but we are aware that some reported records need to be confirmed, since misidentifications may have occurred. The first time that a reference is cited in the checklist, it is followed by an abbreviation that indicates the subject of the paper: Zooplankton Ecology (ZE), Rotifer Ecology (RE), Rotifer Taxonomy (RT), Rotifer Biodiversity (RB), Rotifer Checklist (RC) and Catalogue of Rotifer Type Specimens (CR).

RESULTS AND DISCUSSION

A total of 132 studies about Brazilian Rotifera were analyzed, including 123 papers and nine theses. Of the reports analyzed, 56 are on zooplankton ecology, 21 on rotifer ecology, 40 on rotifer taxonomy, nine on rotifer biodiversity, five on rotifer checklists, and 1 is a catalogue of rotifer type specimens.

More than 78% of the studies were concentrated in six states: Pará (22), São Paulo (20), Mato Grosso do Sul-Paraná (15), Rio de Janeiro (13), Pernambuco (12),

TABLE 1. List of species mentioned in the literature but not included in the checklist because their records presented uncertainties.

SPECIES	LITERATURE
<i>Brachionus quadridentatus minor</i>	Koste <i>et al.</i> 1984.
<i>Dicranophorus macrodactyla</i> Hauer	Koste 1972a.
<i>Filinia limnetica</i> var. <i>saltator</i>	Koste 1972a; Koste and Robertson 1983; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Sampaio and Lopez 2000.
<i>Keratella americana</i> f. <i>pust</i>	Koste <i>et al.</i> 1984.
<i>Keratella americana</i> f. <i>typica</i>	Koste <i>et al.</i> 1984.
<i>Keratella cochlearis brevispina</i>	Sampaio <i>et al.</i> 2002.
<i>Lecane astia</i>	Koste and Robertson 1990.
<i>Lecane atrandti</i>	Oliveira-Neto and Moreno 1998.
<i>Lecane lunares</i>	Sampaio and Lopez 2000.
<i>Lecane lunaris aris</i>	Crispim and Watanabe 2000.
<i>Lecane pyriformis quadridentata</i>	Oliveira-Neto and Moreno 1998.
<i>Replochalis propatula</i>	Espíndola <i>et al.</i> 1996.
<i>Rotaria bdelloides</i> (Berzins)	Oliveira 1959; Krau 1967.
<i>Testudinella tridentata braziliensis</i>	Koste 1972a.
<i>Trichocerca grandis</i>	Branco <i>et al.</i> 2007.
<i>Trichocerca pediculae</i>	Espíndola <i>et al.</i> 1996.

and Minas Gerais (10). Only 23% of the records refer to 12 other states: Roraima (5), Goiás (4), Mato Grosso (4), Paraíba (3), Rio Grande do Norte (2), Rio Grande do Sul (1), Santa Catarina (1), Piauí (1), Ceará (1), Paraná (3), Acre (1), and Maranhão (1).

We were able to identify 625 valid species and 84 genera recorded in Brazil and the family Lecanidae is the most speciose in Brazil, with 103 species belonging to 1 genus (Table 2).

According to the list of global distributions of valid species provided by Segers (2007), the geographical ranges of many species (403) reported for Brazil are broad, and they can also be found in other geographic regions (e.g., Palearctic, Nearctic, etc.). In contrast, only 43 species are endemic to the Neotropical region. Moreover, Segers (2007) did not list 99 species reported for Brazil in the Neotropical region, which may indicate that these species were misidentified. Finally, we were not able to gather data for 80 species because their distribution was not listed by Segers (2007).

Systematic checklist

Genus *Acyclus* Leidy, 1882

Acyclus inquietus Leidy, 1882
Koste 1972a (RT).

Genus *Adineta* Hudson and Gosse, 1886

Adineta longicornis Murray, 1906
Murray 1913 (RT); Krau 1967 (RC).

Adineta vaga (Davis, 1873)
Murray 1913; Krau 1967.

Genus *Anuraeopsis* Lauterborn, 1900

Anuraeopsis coelata de Beauchamp, 1932
Koste 1972a; Bozelli 1992 (ZE).

Anuraeopsis fissa Gosse, 1851

Syn.: *Anuraeopsis hypelasma* Gosse, 1886
Murray 1913; Hauer 1953 (RT); Krau 1967; Koste 1972a; 1974a; Koste *et al.* 1984 (RT); Turner and da Silva 1992 (RT); Bozelli 1992; Dabés 1995 (ZE); Campos *et al.* 1996 (ZE); Oliveira-Neto and Moreno

1998 (RC); Landa and Mourgés-Schurter 2000a (ZE), b (ZE); Esteves *et al.* 2000; Neto 2001; Landa *et al.* 2002 (RE); Sampaio *et al.* 2002 (ZE); Bonecker *et al.* 2005 (RE); Cabianca 2005 (ZE); Almeida *et al.* 2006; Abra 2008 (RE); Maia-Barbosa *et al.* 2008 (ZE); Branco *et al.* 2008 (ZE); Casanova *et al.* 2009 (RE); Ferraz *et al.* 2009 (ZE); Millan 2009 (ZE); Souza-Soares *et al.* 2011 (RC); Dantas-Silva and Dantas 2012 (RE).

TABLE 2. Species and genera richness of Brazilian Rotifera gathered in the present study.

FAMILY	SPECIES	GENERA
Lecanidae	103	1
Branchionidae	72	7
Notommatidae	62	10
Lepadellidae	61	4
Trichocercidae	61	1
Flosculariidae	38	7
Philodoniidae	27	6
Dicranophoridae	22	7
Testudinellidae	21	2
Synchaetidae	20	2
Collothecidae	12	2
Trichotriidae	15	2
Mytilinidae	15	2
Euchlanidae	11	4
Habrotrichidae	11	1
Gastropodiidae	10	2
Hexarthridae	7	1
Filiniidae	9	1
Epiphanidae	8	3
Asplanchnidae	7	3
Proalidae	7	3
Conochilidae	5	1
Lindiidae	4	1
Atrochidae	3	3
Trochosphaeridae	3	2
Scaridiidae	3	1
Ituridae	3	1
Adinetidae	2	1
Microcodidae	1	1
Tetrasiphonidae	1	1
<i>Species inquirendae</i>	<i>Vanoyella globosa</i>	<i>Vanoyella</i>

- Anuraeopsis fissa fissa* Gosse, 1851
Koste 1972a; Padovesi-Fonseca *et al.* 2011 (RC).
- Anuraeopsis navicula* Rousselet, 1911
Syn.: *Anuraeopsis fissa navicula* Rousselet, 1911
Ahlstrom 1938 (RT); Hauer 1953; Krau 1967; Koste 1972a; 1974a; Koste and Robertson 1983 (RT); Koste *et al.* 1984; Koste and Hardy 1984 (RT); Bozelli 1992; Dabés 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Moretto 2001 (ZE); Sampaio *et al.* 2002; Lucinda *et al.* 2004 (RE); Abra 2008; Neves and Serafim-Júnior 2007 (ZE); Maia-Barbosa *et al.* 2008; Millan 2009; Santos 2010; (ZE) Souza-Soares *et al.* 2011.
- Anuraeopsis quadriantennata* (Koste, 1974a)
Paranuraeopsis quadriantennata Koste, 1974a
Koste 1974a (RT), b (RT); 1978a (RT); Schaden 1976 (ZE); Neumann-Leitão 1990 (RT); Bozelli 1992.
- Anuraeopsis siolii* Koste, 1972a
Koste 1972a; Koste and Hardy 1984; Bozelli 1992; Espíndola *et al.* 1996 (ZE); Magalhães and Pimpão 2004 (CR); de Melo *et al.* 2006.
- Anuraeopsis urawensis* Sudzuki, 1957
Souza-Soares *et al.* 2011.
- Genus *Ascomorpha* Perty, 1850
Ascomorpha agilis Zacharias, 1853
Landa *et al.* 2002; Landa and Mourgés-Schurter 2000a,b; Lansac-Tôha *et al.* 2009 (ZE).
- Ascomorpha ecaudis* Perty, 1850
Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Bozelli 1992; Dabés 1995; Espíndola *et al.* 2000 (ZE); Landa and Mourgés-Schurter 2000a; Branco *et al.* 2000; 2002; 2005 (RB); 2007; 2008; Landa *et al.* 2002; Aoyagui *et al.* 2003 (RE); Rossa and Bonecker 2003 (RE); Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Batista 2007 (ZE); Abra 2008; Nascimento 2008; Palazzo *et al.* 2008 (ZE); Bonecker *et al.* 2009 (RE); Borges and Pedrozo 2009 (ZE); Casanova *et al.* 2009; Millan 2009; Negreiros *et al.* 2010 (RE); Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Ascomorpha klementi* (Hauer, 1965)
Chromogaster klementi Hauer, 1965
Hauer 1965 (RT); Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; Bozelli 1992; Aoyagui *et al.* 2003.
- Ascomorpha ovalis* (Bergendal, 1892)
Koste 1972a; Matsumura-Tundisi *et al.* 1990 (RE); Turner and da Silva 1992; Segers and Dumont 1995; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Casanova *et al.* 2009; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010 (RE); Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Ascomorpha saltans* Bartsch, 1870
Koste *et al.* 1984; Turner and da Silva 1992; Bozelli 1992; Dabés 1995; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Branco *et al.* 2000 (ZE); 2005; 2008; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Sendacz *et al.* 2006 (ZE); Serafim-Júnior *et al.* 2006 (ZE); 2010; Batista 2007; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Ascomorpha saltans saltans* (Bartsch, 1870)
Koste 2000 (RT).
- Ascomorpha tundisii* Segers and Dumont, 1995
Segers and Dumont 1995 (RT); Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Aspelta* Harring and Myers, 1928
Aspelta aper (Harring, 1913)
Koste *et al.* 1984.
- Aspelta angusta* Harring and Myers, 1928
Serafim-Júnior *et al.* 2003 (RE); Lucinda *et al.* 2004; Abra 2008; Souza-Soares *et al.* 2011.
- Aspelta circinator* (Gosse, 1886)
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Asplanchna* Gosse, 1850
Asplanchna brightwellii Gosse, 1850
Spandl 1926 (ZE); Ahlstrom 1938; Krau 1967 (RC); Oliveria *et al.* 1967 (ZE); Green 1972 (RB); Koste 1974a,b; Schaden 1976; 1978 (RT); Neumann-Leitão 1990; Espíndola *et al.* 1996; Keppeler 2003 (ZE); Keppeler and Hardy 2004 (RE); Abra 2008; Branco *et al.* 2007 (ZE); Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Asplanchna girodi* de Guerne, 1888
Hauer 1953; Krau 1967; Branco *et al.* 2002 (ZE); Millan 2009; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Asplanchna herrickii* De Guerne, 1888
Neumann-Leitão 1985/1986a (RT); Neumann-Leitão 1990; Melo-Junior *et al.* 2007 (RB).
- Asplanchna priodonta* Gosse, 1850
Syn.: *Asplanchna priodonta priodonta* Gosse, 1850
Neumann-Leitão 1985/1986a; Neumann-Leitão and de Souza 1987 (RT); Neumann-Leitão 1990; Bozelli 1992; Landa and Mourgés-Schurter 2000a,b; Landa *et al.* 2002; Melo-Junior *et al.* 2007; Lansac-Tôha *et al.* 2009; Dantas-Silva and Dantas 2012.
- Asplanchna sieboldii* (Leydig, 1854)
Syn.: *Asplanchnella sieboldii* (Leydig, 1854)
Hauer 1953; 1965; Krau 1967; Thomasson 1971 (RT); Koste 1972a; 1974b; Schaden 1976; Koste and Robertson 1983; Koste and Hardy 1984 (RT); Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Turner and da Silva 1992; Segers and Sarma 1993 (RT); Dabés 1995; Campos *et al.* 1996; Nogueira and Matsumura-Tundisi 1996 (ZE); Garcia *et al.* 1998 (RE); Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003 (ZE); Lucinda *et al.* 2004; Keppeler and Hardy 2004; Rossa and Bonecker 2003; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Branco *et al.* 2008; Nascimento 2008; Ferraz *et al.* 2009; Santos 2010; Souza-Soares *et al.* 2011.
- Genus *Asplanchnopus* de Guerne, 1888
Asplanchnopus hyalinus Harring, 1913
Koste 1972b (RT), 1974b; Neumann-Leitão 1990; Almeida *et al.* 2006 (RE); Melo-Junior *et al.* 2007.

- Genus *Atrochus* Wierzejski, 1893
Atrochus tentaculatus Wierzejski, 1893
 Koste *et al.* 1984; de Paggi and Koste 1995 (RC).
- Genus *Balatro* Claparède, 1867
Balatro calvus Claparède, 1867
 Koste 1972b, 1974b.
- Genus *Beauchampia* Harring, 1913
Beauchampia crucigera (Dutrochet, 1812)
 Koste 1972a,b; 1974b; Koste and Robertson 1983;
 Koste *et al.* 1984; Turner and da Silva 1992.
- Genus *Beauchampiella* Remane, 1929
 Syn.: *Manfredium* Gallagher, 1957
Beauchampiella eudactylota (Gosse, 1886)
 Syn.: *Beauchampiella eudactylota eudactylota* (Gosse, 1886)
 Syn.: *Eudactylota wulferti* Hauer, 1965
 Koste 1972a,b; 1974a,b; Koste and Robertson 1983;
 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.*
 1990; Turner 1990; Sendacz and Costa 1991 (ZE);
 Bozelli 1992; Turner and da Silva 1992; Dabés 1995;
 Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto
 and Moreno 1998; Esteves *et al.* 2000; Martinez *et al.*
 2000 (RE); Neves *et al.* 2003; Bonecker *et al.* 2005;
 Branco *et al.* 2007; 2008; Abra 2008; Nascimento
 2008; Borges and Pedrozo 2009; Millan 2009; Souza-
 Soares *et al.* 2011.
- Genus *Brachionus* Pallas, 1766
Brachionus adisi Koste and Hardy, 1984
 Koste and Hardy 1984; de Paggi and Koste 1995;
 Magalhães and Pimpão 2004.
Brachionus ahlstromi Lindeman, 1939
 Syn.: *Brachionus caudatus* var. *personatus* Ahlstrom,
 1940
 Ahlstrom 1940 (RT); Hauer 1953; Krau 1967; Koste
 1972a; Hardy 1980 (ZE); Koste and Robertson 1983;
 Reid and Turner 1988 (RT); Turner and da Silva 1992;
 Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and
 Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-
 Neto and Moreno 1998; Cabianca 2005; Borges and
 Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares
et al. 2011.
Brachionus amazonicus Koste, 1983
 Syn.: *Brachionus benningi* (Leissling, 1924) after Koste,
 1972
 Syn.: *Brachionus urceolaris amazonica* Koste, 1983
 Koste 1972a; Koste and Robertson 1983; Koste *et al.*
 1984; Koste and Hardy 1984; de Paggi and Koste 1995;
 Magalhães and Pimpão 2004.
Brachionus angularis Gosse, 1851
 Syn.: *Brachionus angularis caudatus* Barrois and Daday,
 1894
 Syn.: *Brachionus angularis* var. *chelonis* Ahlstrom, 1940
 Syn.: *Brachionus angularis* f. *pseudodolabratus*
 Ahlstrom, 1940
 Murray 1913; Ahlstrom 1938; 1940; Hauer 1953; Krau
 1962 (RT); 1967; Green 1972; Schaden 1976; 1978;
 Neumann-Leitão and de Souza 1987; Matsumura-
 Tundisi *et al.* 1990; Neumann-Leitão 1990; Bozelli
 1992; Campos *et al.* 1996; Nogueira and Matsumura-
 Tundisi 1996; Nunes *et al.* 1996 (ZE); de Souza *et al.*
 1998 (RB); Garcia *et al.* 1998; Oliveira-Neto and
 Moreno 1998; Crispim and Watanabe 2000 (ZE); Landa
 and Mourgés-Schurter 2000a,b; Moretto 2001; Neto
 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; Neves
et al. 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004;
 Bonecker *et al.* 2005; Cabianca 2005; Crispim and
 Freitas 2005 (ZE); Leitão *et al.* 2006 (ZE); Vitorio 2006
 (RE); Eskinazi-Sant'Anna *et al.* 2007 (ZE); Melo-Junior
et al. 2007; Maia-Barbosa *et al.* 2008; Nascimento
 2008; Almeida *et al.* 2009 (ZE); Casanova *et al.* 2009;
 Borges and Pedrozo 2009; Ferraz *et al.* 2009; Millan
 2009; Negreiros *et al.* 2010; Padovesi-Fonseca *et al.*
 2011; Souza-Soares *et al.* 2011.
Brachionus angularis angularis Gosse, 1851
 Abra 2008; Casanova *et al.* 2009.
Brachionus angularis bidens Plate, 1886
 Souza-Soares *et al.* 2011.
Brachionus bennini Leissling, 1924
 Koste 1972a.
Brachionus bidentatus Anderson, 1889
 Krau 1962; Neumann-Leitão 1990; Turner and da Silva
 1992; de Souza *et al.* 1998; Oliveira-Neto and Moreno
 1998; Sampaio and Lopez 2000 (ZE); Neves *et al.* 2003;
 Aoyagui and Bonecker 2004b (RE); Cabianca 2005;
 Palazzo *et al.* 2008; Borges and Pedrozo 2009; Ferraz
et al. 2009.
Brachionus bidentatus bidentatus Anderson, 1889
 Syn.: *Brachionus bidentatus crassispinus* Hauer, 1963
 Syn.: *Brachionus bidentatus inermis* Rousselet, 1906
 Koste *et al.* 1984; Neumann-Leitão 1985/1986a;
 Sendacz and Costa 1991; Nunes *et al.* 1996; Neumann-
 Leitão 1990; Oliveira-Neto and Moreno 1998; Vitorio
 2006; Souza-Soares *et al.* 2011.
Brachionus budapestinensis Daday, 1885
 Ahlstrom 1938; 1940; Hauer 1953; 1965; Krau 1967;
 Schaedel, 1976; Koste *et al.* 1984; Reid and Turner
 1988; Neumann-Leitão 1990; Turner and da Silva
 1992; Campos *et al.* 1996; Nunes *et al.* 1996; Garcia
et al. 1998; Landa *et al.* 2002; Aoyagui *et al.* 2003;
 Bonecker *et al.* 2005; Cabianca 2005; Leitão *et al.* 2006;
 Palazzo *et al.* 2008; Branco *et al.* 2008.
Brachionus calyciflorus Pallas, 1766
 Syn.: *Brachionus calyciflorus* f. *anuraeiformis* (Brehm,
 1909)
 Syn.: *Brachionus calyciflorus* var. *dorcas* f. *spinosa*
 Wierzejski, 1891
 Syn.: *Brachionus calyciflorus* f. *spinus* Rousselet, 1901
 Ahlstrom 1938; 1940; Hauer 1953; Krau 1962; 1967;
 Oliveira *et al.*, 1967 (RE); Koste 1972a; Hardy 1980;
 Koste *et al.* 1984; Neumann-Leitão 1985/1986a;
 Neumann-Leitão and de Souza 1987; Neumann-
 Leitão 1990; Matsumura-Tundisi *et al.* 1990; Lansac-
 Tôha *et al.* 1993 (ZE); Campos *et al.* 1996; Nogueira
 and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de
 Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and
 Moreno 1998; Crispim and Watanabe 2000; Landa and
 Mourgés-Schurter 2000a,b; Moretto 2001; Neto 2001;
 Branco *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo
 and Bonecker 2003 (ZE); Keppeler 2003; Neves *et al.*
 2003; Rossa and Bonecker 2003; Keppeler and Hardy

- 2004; Lucinda *et al.* 2004; Ulloa 2004 (ZE); Bonecker and Aoyagui 2005 (RE); Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; Sendacz *et al.* 2006; Leitão *et al.* 2006; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Batista 2007; Cavalcanti *et al.* 2008 (ZE); Bonecker *et al.* 2009; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Lansac-Tôha *et al.* 2009; Sartori *et al.* 2009 (ZE); Serafim-Júnior *et al.* 2010; Santos 2010; Dantas-Silva and Dantas 2012.
- Brachionus calyciflorus calyciflorus* Pallas, 1766
Syn.: *Brachionus pala* Ehrenberg, 1838
Syn.: *Brachionus calyciflorus amphicerus* Ehrenberg, 1838
Syn.: *Brachionus calyciflorus dorcas* Gosse, 1851
Syn.: *Brachionus gillardi* Hauer, 1966
Murray 1913; Ahlstrom 1938; 1940; Hauer 1953; 1956; 1965; Oliveira *et al.*, 1967; Krau 1967; Thomasson 1971; Koste 1972a; Schaden 1976; 1977; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; Bozelli 1992; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; Cabianca 2005; Almeida *et al.* 2006; 2009; Vitorio 2006; Cavalcanti *et al.* 2008; Palazzo *et al.* 2008; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Brachionus caudatus* Barrois and Daday, 1894
Syn.: *Brachionus caudatus* f. *austrogenitus* Ahlstrom, 1940
Syn.: *Brachionus caudatus* f. *ahlstromi* (Lindeman, 1939)
Syn.: *Brachionus caudatus* f. *caudatus* Barrois and Daday, 1894
Syn.: *Brachionus caudatus* f. *majusculus* Ahlstrom, 1940
Syn.: *Brachionus caudatus* f. *vulgatus* Ahlstrom, 1940
Ahlstrom 1940; Hauer 1953; Krau 1967; Koste 1972a; Schaden 1976; Paranaguá and Neumann-Leitão 1982 (RT); Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Crispim and Watanabe 2000; Esteves *et al.* 2000; Moretto 2001; Neto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Keppeler 2003; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Cabianca 2005; Leitão *et al.* 2006; Vitorio 2006; Abra 2008; Melo-Junior *et al.* 2007; Palazzo *et al.* 2008; Casanova *et al.* 2009; Lansac-Tôha *et al.* 2009; Millan 2009; Negreiros *et al.* 2010; Souza-Soares *et al.* 2011.
- Brachionus dimidiatus* Bryce, 1931
Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Brachionus dolabratus* Haring, 1915
Syn.: *Brachionus dolabratus dolabratus* (Haring, 1915)
Ahlstrom 1938; 1940; Hauer 1953; Krau 1967; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Sendacz and Costa 1991; Turner and da Silva 1992; Bozelli 1992; Segers *et al.* 1993b (RT); Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Sampaio and Lopez 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; de Melo *et al.* 2006 (ZE); Abra 2007; Batista 2007; Branco *et al.* 2007; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Bonecker *et al.* 2009; 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Brachionus donneri* Brehm, 1951
Turner and da Silva 1992.
- Brachionus falcatus* Zacharias, 1898
Syn.: *Brachionus falcatus falcatus* Zacharias, 1898
Murray 1913; Ahlstrom 1938; 1940; Hauer 1953; 1965; Krau 1962; 1967; Gillard 1967 (RB); Koste 1972a; Schaden 1976; 1978; Hardy 1980; Reid and Turner 1988; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Turner and da Silva 1992; Lansac-Tôha *et al.* 1993; Segers *et al.* 1993b; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Moretto 2001; Neto 2001; Martinez *et al.* 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Aoyagui *et al.* 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Branco *et al.* 2005 (RT); Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; 2009; de Melo *et al.* 2006; Leitão *et al.* 2006; Vitorio 2006; Batista 2007; Branco *et al.* 2007; 2008; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Nascimento 2008; Palazzo *et al.* 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.
- Brachionus forficula* Wierzejski, 1891
Syn.: *Brachionus forficula forficula* Wierzejski, 1891
Bonecker *et al.* 2005; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; Abra 2007; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
Remarks: Segers (2007) pointed out that the record of this species is doubtful for Neotropical region.
- Brachionus havanaensis* Rousset, 1911
Syn.: *Brachionus variegatus* Krau, 1962
Syn.: *Brachionus havanaensis* var. *trahea* (Murray, 1913)

- Syn.: *Brachionus havanaensis havanaensis* Rousselet, 1911
 Murray 1913; Ahlstrom 1940; Hauer 1953; 1965; Krau 1962; 1967; Schaden 1976; Reid and Turner 1988; Neumann-Leitão 1990; Turner 1990 (RT); Crispim and Watanabe 2000; Neves *et al.* 2003; Keppeler 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; 2009; Leitão *et al.* 2006; Vitorio 2006; Branco *et al.* 2007; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.
- Brachionus incertus* Hauer, 1953
 Hauer 1953; Krau 1967.
- Brachionus insuetus* (Ahlstrom, 1940)
 Syn.: *Brachionus caudatus* f. *insuetus* Ahlstrom, 1940
 Koste 1972a; Reid and Turner 1988; Turner and da Silva 1992; Espíndola *et al.* 1996; Serafim-Júnior *et al.* 2003.
- Brachionus leydigii* Cohn, 1862
 Oliveira-Neto and Moreno 1998; Neves *et al.* 2003; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
- Brachionus leydigii rotundus* Rousselet, 1907
 Crispim and Watanabe 2000.
- Brachionus mirabilis* Daday, 1897
 Krau 1962; 1967; Thomasson 1971; Koste 1972a; 1974a,b; Schaden 1976.
- Brachionus mirus* Daday, 1905
 Syn.: *Brachionus mirus mirus* Daday, 1905
 Syn.: *Brachionus voigti* Hauer, 1961
 Syn.: *Brachionus mirus angustus* Koste, 1972a
 Syn.: *Brachionus mirus reductus* Koste, 1972a
 Syn.: *Brachionus mirus* f. *laticaudatus* Paggi, 1973
 Syn.: *Brachionus mirus* f. *voigti* Koste, 1972a
 Koste 1972a; Hardy 1980; Koste and Hardy 1984; Koste *et al.* 1984; Dabés 1995; Reid and Turner 1988; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Espíndola *et al.* 1996; 2000; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Serafim-Júnior *et al.* 2003; 2006; 2010; Magalhães and Pimpão 2004; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Abra 2008; Nascimento 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Negreiros *et al.* 2010; Souza-Soares *et al.* 2011.
- Brachionus plicatilis* Müller, 1786
 Ahlstrom 1938; 1940; Hauer 1953; Krau 1962; 1967; 1972; Oliveira *et al.* 1971 (RE); Schaden 1976; Paranaguá and Neumann-Leitão 1980; Turner 1990; Neumann-Leitão 1990; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2007; 2008; Keppeler and Hardy 2004; Vitorio 2006; Souza-Soares *et al.* 2011.
- Brachionus plicatilis plicatilis* Müller, 1786
 Syn.: *Brachionus muelleri* Ehrenberg, 1834
 Murry 1913; Krau 1967; de Souza *et al.* 1998.
- Brachionus quadridentatus* Hermann, 1783
 Syn.: *Brachionus bakeri* Müller, 1786
 Murray 1913; Hauer 1953; Krau 1962; 1967; Schaden 1976; Thomasson 1971; Green 1972; Koste 1972a; 1974a,b; Koste and Robertson 1983; Neumann-Leitão and de Souza 1987; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Bozelli 1992; Dabés 1995; Espíndola *et al.* 1996; Branco *et al.* 2000; 2007; 2008; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a; Moretto 2001; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Padovesi-Fonseca *et al.* 2011.
- Brachionus quadridentatus melheni* Barrois and Daday, 1894
 Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Serafim-Júnior *et al.* 2003; Cabianca 2005.
- Brachionus quadridentatus mirabilis* Daday, 1897
 Syn.: *Brachionus trahea* Murray, 1913
 Murray 1913; Ahlstrom 1938; Krau 1967; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão 1990; Sendacz and Costa 1991; Oliveira-Neto and Moreno 1998; Garcia *et al.* 1998; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Branco *et al.* 2005; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Brachionus quadridentatus quadridentatus* Hermann, 1783
 Syn.: *Brachionus quadridentatus* f. *ancylognathus* Schmarda, 1859
 Syn.: *Brachionus quadridentatus* f. *brevispinus* Ehrenberg, 1832
 Syn.: *Brachionus quadridentatus cluniorbicularis* Skorikov, 1894
 Koste 1972a; Paranaguá and Neumann-Leitão 1982; Koste *et al.* 1984; Neumann-Leitão 1990; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Neves *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Brachionus rotundiformis* Tschugunoff, 1921
 Branco *et al.* 2005.
- Brachionus rubens* Ehrenberg, 1838
 Murray 1913; Ahlstrom 1940; Hauer 1953; Krau 1967; Leitão *et al.* 2006; Melo-Junior *et al.* 2007.
- Brachionus satanicus* Rousselet, 1913
 Lansac-Tôha *et al.* 2009.
- Brachionus urceolaris* Muller, 1773
 Turner and da Silva 1992; Bozelli 1994 (ZE); Campos *et al.* 1996; Garcia *et al.* 1998; Crispim and Watanabe 2000; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Souza-Soares *et al.* 2011.
- Brachionus urceolaris nilsoni* (Ahlstrom, 1940)
 Crispim and Watanabe 2000.
- Brachionus urceolaris urceolaris* Müller, 1773
 Koste *et al.* 1984.
- Brachionus zahniseri* Ahlstrom, 1934
 Syn.: *Brachionus gessneri* Hauer, 1956
 Syn.: *Brachionus zahniseri* f. *gessneri* Hauer, 1956
 Syn.: *Brachionus zahniseri* f. *reductus* Hauer, 1956

- Hauer 1956; Green 1972; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; Sendacz and Costa 1991; Bozelli 1992; 1994; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; de Melo *et al.* 2006; Souza-Soares *et al.* 2011.
- Genus *Bryceella* Remane, 1929
Bryceella tenella (Bryce, 1897)
Stephanops tenellus Bryce, 1897
 Murray 1913; Krau 1967.
- Genus *Cephalodella* Bory de St. Vincent, 1826
Cephalodella anebodica Bērziņš, 1976
 Lansac-Tôha *et al.* 2009.
Cephalodella auriculata (Müller, 1773)
 Oliveria 1959; Krau 1967; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Cephalodella biungulata Wulfert, 1937
 Neves *et al.* 2003; Souza-Soares *et al.* 2011.
Cephalodella brandorffi Koste, 2000
 Koste 2000.
Cephalodella catellina (Müller, 1786)
 Koste *et al.* 1984; Neves *et al.* 2003.
Cephalodella eurynota Myers, 1934
 Millan 2009; Souza-Soares *et al.* 2011.
Cephalodella eva (Gosse, 1887)
 Oliveria 1959; Krau 1967; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Cephalodella exigua (Gosse, 1886)
 Syn.: *Diaschiza caeca* Dixon-Nuttall and Freeman, 1903
 Murray 1913; Krau 1967; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Cephalodella fluviatilis (Zawadovsky, 1926)
 Pareschi 2004; Souza-Soares *et al.* 2011.
Cephalodella forficata (Ehrenberg, 1832)
 Branco *et al.* 2007; Padovesi-Fonseca *et al.* 2011.
Cephalodella forficula (Ehrenberg, 1830)
 Syn.: *Furcularia forficula* Ehrenberg, 1832
 Murray 1913; Krau 1967; Koste 1972b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Abra 2008; Maia-Barbosa *et al.* 2008; Branco *et al.* 2008; Souza-Soares *et al.* 2011.
Cephalodella friebeyi Koste, Robertson and Hardy, 1984
 Koste *et al.* 1984; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
Cephalodella gibba (Ehrenberg, 1830)
 Syn.: *Cephalodella gibba gibba* (Ehrenberg, 1830)
 Oliveria 1959; Krau 1967; Koste 1972a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; 2006; 2010; Lucinda *et al.* 2004; Keppeler and Hardy 2004; Cabianca 2005; Crispim and Freitas 2005; Abra 2008; Neves and Serafim-Júnior 2007; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
Cephalodella gobio Wulfert, 1937
 Casanova *et al.* 2009.
Cephalodella gracilis gracilis (Ehrenberg, 1832)
 Koste 2000; Souza-Soares *et al.* 2011.
Cephalodella intuta Myers, 1924
 Koste 1972a,b; 1974b.
Cephalodella hollowdayi Koste, 1986
 Keppeler and Hardy 2004.
Cephalodella hoodii (Gosse, 1886)
 Oliveira-Neto and Moreno 1998; Segers and Dumont 1995; Souza-Soares *et al.* 2011.
Cephalodella hyalina Myers, 1924
 Souza-Soares *et al.* 2011.
Cephalodella intuta Myers, 1924
 Souza-Soares *et al.* 2011.
Cephalodella megalcephala (Glascott, 1893)
 Syn.: *Cephalodella megalcephala megalcephala* (Glascott, 1893)
 Koste 2000.
Cephalodella misgurnus Wulfert, 1937
 Millan 2009; Souza-Soares *et al.* 2011.
Cephalodella mira Myers, 1934
 Koste 1972a,b; 1974b; 2000; Turner and da Silva 1992; Segers and Sarma 1993.
Cephalodella mucronata Myers, 1924
 Koste 1972a,b; 1974a,b; 2000; Bozelli 1992; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Aoyagui and Bonecker 2004b; Bonecker *et al.* 2005; Souza-Soares *et al.* 2011.
Cephalodella nana Myers, 1924
 Koste and Robertson 1983; de Paggi and Koste 1995.
Cephalodella pachydactyla Wulfert, 1937
 Souza-Soares *et al.* 2011.
Cephalodella paggiae Koste and Robertson, 1983
 Koste and Robertson 1983; Koste *et al.* 1984; de Paggi and Koste 1995.
Cephalodella panarista Myers, 1924
 Abra 2008; Souza-Soares *et al.* 2011.
Cephalodella physalis Myers, 1924
 Souza-Soares *et al.* 2011.
Cephalodella stenroosi Wulfert, 1937
 Serafim-Júnior *et al.* 2003; Neves and Serafim-Júnior 2007.
Cephalodella sterea (Gosse, 1887)
 Koste *et al.* 1984.
Cephalodella tenuiseta (Burn, 1890)
 Koste and Robertson 1990; Dabés 1995; de Paggi and Koste 1995; Serafim-Júnior *et al.* 2003; Cabianca 2005.
- Genus *Collotheca* Harring, 1913
Collotheca ambigua (Hudson, 1883)
 Syn.: *Collotheca ambigua ambigua* (Hudson, 1883)
 Koste 1972a,b; 1974b; 2000; Oliveira-Neto and Moreno 1998; Batista 2007; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
Collotheca campanulata (Dobie, 1849)
 Syn.: *Collotheca campanulata campanulata* (Dobie, 1849)
 Oliveira 1959 (ZE); Koste 1972b; 1974b; 2000; Bozelli 1992; Oliveira-Neto and Moreno 1998; Branco *et al.*

- 2007; Souza-Soares *et al.* 2011.
- Collotheca heptabrachiata* (Schoch, 1869)
Syn.: *Collotheca heptabrachiata heptabrachiata* (Schoch, 1869)
Koste 2000.
- Collotheca mutabilis* (Hudson, 1885)
Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Landa *et al.* 2002; Sendacz *et al.* 2006; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Collotheca natans* Tschugunoff, 1921
Turner and da Silva 1992.
- Collotheca ornata* (Ehrenberg, 1832)
Syn.: *Collotheca ornata cornuta* (Dobie, 1849)
Koste *et al.* 1984; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Koste 2000; Sendacz *et al.* 2006; Batista 2007; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Collotheca pelagica* (Rousselet, 1893)
Syn.: *Collotheca pelagica pelagica* (Rousselet, 1893)
Turner and da Silva 1992; Koste 2000.
- Collotheca polyphema* Haring, 1914
Koste 1972a.
- Collotheca tenuilobata* (Anderson, 1889)
Koste 1972a; 2000; Koste and Hardy 1984; Turner and da Silva 1992.
- Collotheca trilobata* (Collins, 1872)
Koste 2000.
- Genus *Colurella* Bory de St. Vincent, 1824
- Colurella bicuspidata* Ehrenberg, 1832
Alhstrom 1938; Krau 1967; Turner and da Silva 1992.
- Colurella dicentra* (Gosse, 1887)
Millan 2009; Souza-Soares *et al.* 2011.
- Colurella hindenburgi* Steinecke, 1917
Millan 2009; Souza-Soares *et al.* 2011.
- Colurella obtusa* (Gosse, 1886)
Koste 1972a,b; 1974b; Turner and da Silva 1992; Dabés 1995; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Millan 2009; Padovesi-Fonseca *et al.* 2011.
- Colurella obtusa obtusa* (Gosse, 1856)
Koste 2000; Pareschi 2004; Souza-Soares *et al.* 2011.
- Colurella sulcata* (Stenroos, 1898)
Koste 1972b; 1974b; 2000.
- Colurella tessellata* (Glascott, 1893)
Koste 1974a; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Colurella uncinata* (Müller, 1773)
Syn.: *Colurella uncinata f. bicuspidata* (Ehrenberg, 1832)
Syn.: *Colurella uncinata f. deflexa* (Ehrenberg, 1834)
Koste 1972b; 1974b; Koste 1974a; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Koste 2000; Lucinda *et al.* 2004; Crispim and Freitas 2005; Branco *et al.* 2007; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Millan 2009; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Conochilus (Conochiloides) coenobasis* (Skorikov, 1914)
Conochiloides coenobasis Skorikov, 1914
Koste 1972a; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Segers and Dumont 1995; Espíndola *et al.* 1996; 2000; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Moretto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Santos 2010; Negreiros *et al.* 2010; Souza-Soares *et al.* 2011.
- Conochilus (Conochiloides) dossuarius* Hudson, 1885.
Alhstrom 1938; Krau 1967; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Sendacz and Costa 1991; Bozelli 1992; 1994; Dabés 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Segers and Wallace 2001 (RB); Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Batista 2007; Melo-Junior *et al.* 2007; Nascimento 2008; Palazzo *et al.* 2008; Ferraz *et al.* 2009; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Conochilus (Conochilus) hippocrepis* (Schrank, 1803)
Koste 1972a; Padovesi-Fonseca *et al.* 2011.
- Conochilus (Conochiloides) natans* (Seligo, 1900)
Koste *et al.* 1984; Turner and da Silva 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Rossa and Bonecker 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Abra 2008; Branco *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Conochilus (Conochilus) unicornis* Rousselet, 1892
Koste 1972a; 1974a; Matsumura-Tundisi *et al.* 1990; Lansac-Tôha *et al.* 1993; Segers and Dumont 1995; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nogueira and Panarelli 1997 (ZE); Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000b; Sampaio and Lopez 2000; Segers and Wallace 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Rossa and Bonecker 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Nascimento 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Sartori *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Genus *Cupelopagis* Forbes, 1882
Cupelopagis vorax (Leidy, 1857)
Koste 1972b; 1974a,b; 2000; Bozelli 1992; Turner and da Silva 1992.
- Genus *Cyrtonia* Rousselet, 1894

- Cyrtonia tuba* (Ehrenberg, 1834)
Koste 2000.
- Genus *Dicranophoroides* De Smet, 1997
Dicranophoroides caudatus (Ehrenberg, 1834)
Diglena caudatus Ehrenberg, 1834
Syn.: *Dicranophorus caudatus braziliensis* Koste, 1972a
Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Dabés 1995; Neves *et al.* 2003; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
Dicranophoroides claviger (Hauer, 1965)
Itura claviger Hauer 1965
Koste and Robertson 1983; Koste *et al.* 1984; Bonecker *et al.* 2005.
- Genus *Dicranophorus* Nitzsch, 1827
Dicranophorus difflugarium (Penard, 1914)
Koste 2000.
Dicranophorus epicharis Harring and Myers, 1928
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Neves *et al.* 2003; Lucinda *et al.* 2004; Neves and Serafim-Júnior 2007; Souza-Soares *et al.* 2011.
Dicranophorus forcipatus (Müller, 1786)
Koste 1972a,b; 1974b; 2000; Koste *et al.* 1984; Turner and da Silva 1992; Dabés 1995.
Dicranophorus grandis (Ehrenberg, 1832)
Souza-Soares *et al.* 2011.
Dicranophorus hercules Wiszniewski, 1932
Turner and da Silva 1992; de Paggi and Koste 1995; Koste 2000.
Dicranophorus kostei Pourriot and Zoppi de Roa, 1981
Segers and Sarma 1993.
Dicranophorus luetkeni (Bergendal, 1892)
Turner and da Silva 1992; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Dicranophorus prionacis Harring and Myers, 1928
Segers and Sarma 1993; de Paggi and Koste 1995; Koste 2000; Souza-Soares *et al.* 2011.
Dicranophorus robustus Harring and Myers, 1928
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Souza-Soares *et al.* 2011.
Dicranophorus sebastus Harring and Myers, 1928
Segers and Sarma 1993; de Paggi and Koste 1995.
Dicranophorus tegillus Harring and Myers, 1928
Lansac-Tôha *et al.* 2009.
- Genus *Dipleuchlanis* de Beauchamp, 1910
Dipleuchlanis propatula (Gosse, 1886)
Syn.: *Dipleuchlanis propatula propatula* (Gosse, 1886)
Syn.: *Dipleuchlanis propatula f. macrodactyla* Hauer, 1965
Syn.: *Dipleuchlanis macrodactyla* (Hauer, 1965)
Hauer 1965; Green 1972; Koste 1972a; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Sendacz and Costa 1991; Bozelli 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Esteves *et al.* 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Genus *Dissotrocha* Bryce, 1910
Dissotrocha aculeata (Ehrenberg, 1832)
Koste 1972a,b; 1974b; Koste *et al.* 1984; Koste and Robertson 1990 (RT); Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Aoyagui *et al.* 2003; Palazzo *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
Dissotrocha macrostyla (Ehrenberg, 1838)
Oliveira 1959; Krau 1967; Koste 1972b; 1974b; Koste and Hardy 1984; Koste *et al.* 1984; Koste and Robertson 1990; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Encentrum* Ehrenberg, 1838
Encentrum felis (Müller, 1773)
Martinez *et al.* 2000.
Encentrum longipes Wulfert, 1936
Lansac-Tôha *et al.* 2009.
Encentrum saundersiae (Hudson, 1885)
Bonecker *et al.* 2009.
Encentrum spinosum Koch-Althaus, 1962
Pareschi 2004; Souza-Soares *et al.* 2011.
- Genus *Eosphora* Ehrenberg, 1830
Eosphora anthadis Harring and Myers, 1922
Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; de Paggi and Koste 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Eothinia* Harring and Myers, 1922
Eothinia elongata (Ehrenberg, 1832)
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Eothinia triphaea Harring and Myers, 1924
Koste 2000.
- Genus *Epiphanes* Ehrenberg, 1832
Epiphanes brachionus (Ehrenberg, 1837)
Oliveira-Neto and Moreno 1998; Millan 2009; Souza-Soares *et al.* 2011.
Epiphanes brachionus spinosa (Rousselet, 1901)
Notops brachionus spinosa Rousselet, 1901
Murray 1913; Oliveira 1959; Krau 1967; Koste *et al.* 1984.
Epiphanes clavulata (Ehrenberg, 1832)
Hauer 1953; Gillard 1967; Schaden 1976; 1977; 1978; Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; Dabés 1995; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Rossa and Bonecker 2003; Bonecker *et al.* 2005; Melo-Junior *et al.* 2007; Abra 2008; Neves and Serafim-Júnior 2007; Palazzo *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
Epiphanes macroua (Barrois and Daday, 1894)

- Syn.: *Notops mollis* Hempel, 1896
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; Schaden 1976, 1978; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Neves *et al.* 2003; Landa *et al.* 2002; Aoyagui *et al.* 2003; Keppeler 2003; Serafim-Júnior *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; 2009; Leitão *et al.* 2006; Melo-Junior *et al.* 2007; Palazzo *et al.* 2008; Santos 2010; Souza-Soares *et al.* 2011.
- Epiphanes pelagica* (Jennings, 1900)
Keppeler and Hardy 2004.
- Epiphanes senta* (Müller, 1773)
Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; Sartori *et al.* 2009; Souza-Soares *et al.* 2011.
- Genus *Erignatha* Harring and Myers, 1922
Erignatha clastopis (Gosse, 1886)
Souza-Soares *et al.* 2011.
- Genus *Euchlanis* Ehrenberg, 1832
Euchlanis arenosa Myers, 1936
Millan 2009; Souza-Soares *et al.* 2011.
- Euchlanis deflexa* (Gosse, 1851)
Oliveira-Neto and Moreno 1998; Bonecker *et al.* 2009; Souza-Soares *et al.* 2011.
- Euchlanis dilatata* Ehrenberg, 1832
Syn.: *Euchlanis dilatata* f. *dilatata* Ehrenberg, 1832
Hauer 1965; Thomasson 1971; Koste 1972a,b; 1974b; Schaden 1976; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Martinez *et al.* 2000; Branco *et al.* 2002; 2008; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Abra 2008; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Serafim-Júnior *et al.* 2010; Santos 2010; Negreiros *et al.* 2010; Padovesi-Fonseca *et al.* 2011.
- Euchlanis incisa* Carlin, 1939
Syn.: *Euchlanis triquetra* var. *mucronata* Ahlstrom, 1934
Syn.: *Euchlanis incisa* var. *incisa* Carlin, 1939
Syn.: *Euchlanis incisa* var. *mucronata* Ahlstrom, 1934
Green 1972; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Segers and Sarma 1993; Turner and da Silva 1992; Bozelli 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Martinez *et al.* 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; 2009; Melo-Junior *et al.* 2007; Branco *et al.* 2007; Souza-Soares *et al.* 2011.
- Euchlanis lyra* Hudson, 1886
Syn.: *Euchlanis lyra* f. *lyra* Hudson, 1886
Crispim and Watanabe 2000; Serafim-Júnior *et al.* 2003; Borges and Pedrozo 2009.
- Euchlanis meneta* Myers, 1930
Syn.: *Euchlanis proxima* Myers, 1930
Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Serafim-Júnior *et al.* 2006; Maia-Barbosa *et al.* 2008; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.
- Euchlanis oropha* Gosse, 1887
Syn.: *Euchlanis parva* Rousselet, 1892
Koste 1972a,b; 1974b; Koste *et al.* 1984.
- Euchlanis triquetra* Ehrenberg, 1838
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Genus *Filinia* Bory de St. Vincent, 1824
Syn.: *Triarthra* Ehrenberg, 1832
Filinia brachiata (Rousselet, 1901)
Syn.: *Filinia cornuta brachiata* (Rousselet, 1901)
Cabianca 2005.
- Filinia limnetica* (Zacharias, 1893)
Syn.: *Filinia longiseta* var. *limnetica* (Zacharias, 1893)
Koste and Robertson 1983; Koste and Hardy 1984; Oliveira-Neto and Moreno 1998; Keppeler 2003; Lucinda *et al.* 2004; Cabianca 2005; Sendacz *et al.* 2006; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Filinia longiseta* (Ehrenberg, 1834)
Triarthra longiseta Ehrenberg, 1834
Syn.: *Filinia longiseta* var. *longiseta* (Ehrenberg, 1834)
Murray 1913; Spandl 1926; Ahlstrom 1938; Hauer 1953; 1965; Krau 1967; Thomasson 1971; Koste 1972a; Schaden 1976; 1977; 1978; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Neto 2001; Landa *et al.* 2002; Neves *et al.* 2003; Branco *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Rossa and Bonecker 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; de Melo *et al.* 2006; Leitão *et al.* 2006; Vitorio 2006; Abra 2008; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Nascimento 2008; Palazzo *et al.* 2008; Almeida *et al.* 2009; Bonecker *et al.* 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
Remarks: Krau (1967) reported that this is a very common species in the Brazilian northeast ponds.
- Filinia novaezealandiae* Shiel and Sanoamuang, 1993
Neves *et al.* 2003.

Filinia opoliensis (Zacharias, 1891)

Syn.: *Tetramastix opoliensis brevispina* Ahlstrom, 1932
 Syn.: *Filinia opoliensis opoliensis* (Zacharias, 1891)
 Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Sendacz and Costa 1991; Turner and da Silva 1992; Bozelli 1992; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Keppeler 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Sendacz *et al.* 2006; Vitorio 2006; Abra 2008; Batista 2007; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Nascimento 2008; Bonecker *et al.* 2009; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.

Filinia passa (Müller, 1786)

Turner and da Silva 1992; de Paggi and Koste 1995.

Filinia pejleri Hutchinson, 1964

Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Turner 1990; Sendacz and Costa 1991; Bozelli 1992; Campos *et al.* 1996; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Aoyagui *et al.* 2003; Keppeler 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Palazzo *et al.* 2008; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.

Filinia saltator (Gosse, 1886)

Ahlstrom 1938; Hauer 1953; Krau 1967; Koste *et al.* 1984; Reid and Turner 1988; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Souza-Soares *et al.* 2011.

Filinia terminalis (Plate, 1886)*Triarthra terminalis* Plate, 1886

Syn.: *Filinia longiseta* var. *terminalis* Ahlstrom, 1938
 Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Campos *et al.* 1996; Dabés 1995; Espíndola *et al.* 1996; 2000; Garcia *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; de Melo *et al.* 2006; Keppeler and Hardy 2004; Abra 2008; Eskinazi-Sant'Anna *et al.* 2007; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.

Genus *Floscularia* Cuvier, 1798*Floscularia armata* Segers, 1997

Segers, 1997 (RT); Magalhães and Pimpão 2004.

Floscularia bifida Segers, 1997

Segers 1997; Magalhães and Pimpão 2004.

Floscularia conifera (Hudson, 1886)

Syn.: *Floscularia ringens conifera* Koste, 1978a
 Koste 1972b; 1974b; 1978a; Koste and Robertson

1983; Segers, 1997.

Floscularia decora Edmondson, 1940

Koste 1972b (RT); Koste *et al.* 1984; de Paggi and Koste 1995.

Floscularia janus (Hudson, 1881)

Koste 1972a,b; 1974b; 2000.

Floscularia melicerta (Ehrenberg, 1832)

Koste 1972a,b; 1974b; 2000.

Floscularia noodti Koste, 1972b

Koste 1972a,b; 1974b.

Floscularia pedunculata (Joliet, 1883)

Koste 2000.

Floscularia ringens (Linneus, 1758)

Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers 1997.

Genus *Gastropus* Imhof, 1898*Gastropus hyptopus* (Ehrenberg, 1838)

Koste *et al.* 1984; Turner and da Silva 1992; de Paggi and Koste 1995; de Azevedo and Bonecker 2003; Serafim-Júnior *et al.* 2003; 2010; Ulloa 2004; Bonecker *et al.* 2005; Abra 2007; Souza-Soares *et al.* 2011.

Gastropus minor (Rousselet, 1892)

Turner and da Silva 1992; Branco *et al.* 2000; 2005; 2007; 2008; Cabianca 2005; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.

Gastropus stylifer (Imhof, 1891)

Koste 1972a; Hardy 1980; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Sampaio *et al.* 2002; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.

Genus *Habrotrocha* Bryce, 1910*Habrotrocha acornis* Murray, 1911

Murray 1913; Krau 1967.

Habrotrocha ampulla Murray, 1911

Koste 1972b; 1974b.

Habrotrocha angusticollis (Murray, 1905)

Murray 1913; Krau 1967; Koste 1972a,b; 1974b; Koste and Robertson 1983; 1990.

Habrotrocha angusticollis angusticollis (Murray, 1905)

Koste 1972a.

Habrotrocha aspera (Bryce, 1892)

Murray 1913; Krau 1967.

Habrotrocha caudata Murray, 1911

Murray 1913; Krau 1967.

Habrotrocha constricta (Dujardin, 1841)

Murray 1913; Krau 1967.

Habrotrocha cuneata Murray, 1913

Murray 1913; Krau 1967.

Habrotrocha fusca (Bryce, 1894)

Murray 1913; Krau 1967.

Habrotrocha longiceps (Murray, 1906)

Murray 1913; Krau 1967.

Habrotrocha perforata (Murray, 1906)

Murray 1913; Krau 1967.

Genus *Harringia* de Beauchamp, 1912*Harringia rousseleti* de Beauchamp, 1912

Koste 1972b; 1974b.

- Genus *Hexarthra* Schmarda, 1854
Hexarthra fennica (Levander, 1892)
Pedalia fennica Levander, 1892
 Ahlstrom 1938; Hauer 1953; Krau 1967; Turner 1987 (RT); Almeida *et al.* 2006; 2009; Branco *et al.* 2007; Melo-Junior *et al.* 2007.
- Hexarthra fennica oxyure* (Sernov, 1903)
Pedalia fennica oxyure Sernov, 1903
 Oliveira *et al.* 1967.
- Hexarthra intermedia* (Wiszniewski, 1929)
 Turner 1987; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Martinez *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Leitão *et al.* 2006; Sendacz *et al.* 2006; Abra 2008; Batista 2007; Nascimento 2008; Ferraz *et al.* 2009; Millan 2009; Santos 2010; Negreiros *et al.* 2010; Padovesi-Fonseca *et al.* 2011.
- Hexarthra intermedia brasiliensis* Hauer, 1953
Pedalia intermedia brasiliensis Hauer, 1953
 Syn.: *Hexarthra brasiliensis* Hauer, 1953
 Hauer 1953; 1965; Gillard 1967; Krau 1967; Koste 1972a; Schaden 1978; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Turner 1987; Reid and Turner 1988; Sendacz and Costa 1991; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; Sampaio and Lopez 2000; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Abra 2008; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
 Remarks: Segers (2007) pointed out that *H. intermedia brasiliensis* is also accepted.
- Hexarthra intermedia intermedia* Wiszniewski, 1929
 Branco *et al.* 2005; Cabianca 2005; Palazzo *et al.* 2008; Souza-Soares *et al.* 2011.
- Hexarthra longicornicula* Turner, 1987
 Turner 1987; de Paggi and Koste 1995; Branco *et al.* 2000; 2005; 2008; Souza-Soares *et al.* 2011.
- Hexarthra mira* (Hudson, 1871)
Pedalion mira Hudson, 1871
 Syn.: *Hexarthra mira mira* (Hudson, 1871)
 Ahlstrom 1938; Hauer 1953; Green 1972; Koste and Robertson 1983; Koste *et al.* 1984; Turner 1987; Bozelli 1992; Turner and da Silva 1992; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Branco *et al.* 2002; 2007; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Hexarthra oxyuris* (Sernov, 1903)
Pedalion oxyure Sernov, 1903
 Murray 1913; Krau 1967; Turner 1987.
- Genus *Horaella* Donner, 1949
Horaella brehmi Donner, 1949
 Espíndola *et al.* 1996.
- Horaella thomassoni* Koste, 1973
 Koste 1973 (RT); Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Sendacz *et al.* 2006; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Genus *Itura* Haring and Myers, 1928
Itura aurita (Ehrenberg, 1830)
 Moretto 2001.
Itura chamadis Haring and Myers, 1928
 Lansac-Tôha *et al.* 2009.
Itura deridderae Segers, 1993
 Souza-Soares *et al.* 2011.
- Genus *Kellicottia* Ahlstrom 1938
Kellicottia bostoniensis (Rousselet, 1908)
 Neto 2001; Landa *et al.* 2002; Serafim-Júnior *et al.* 2003; 2006; 2010; Bezerra-Neto *et al.* 2004 (RB); Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Batista 2007; Neves and Serafim-Júnior 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Negreiros *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Kellicottia longispina* (Kellicott, 1879)
 Syn.: *Kellicottia longispina longispina* (Kellicott, 1879)
 de Souza *et al.* 1998; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
- Genus *Keratella* Bory de St. Vincent, 1822
Keratella americana Carlin, 1943
 Syn.: *Keratella lenzi caudata* Koste, 1972a
 Syn.: *Keratella americana* f. *hispida* Vásquez, Koste and Medina, 1991
 Green 1972; Koste 1972a; 1974a; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; 1994; Lansac-Tôha *et al.* 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; Nogueira and Panarelli 1997; Garcia *et al.* 1998; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2002; 2005; 2008; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Martinez *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Waichman *et al.* 2002 (ZE); Lucinda *et al.* 2004; Keppeler and Hardy 2004; Ulloa 2004; Bonecker and Aoyagui 2005; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; 2009; de Melo *et al.* 2006; Leitão *et al.* 2006; Sendacz *et al.* 2006; Vitorio 2006; Abra 2008; Batista 2007; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al.* 2010; Santos 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.

Keratella cochlearis (Gosse, 1851)

Syn.: *Anuraea cochlearis longispina* Lang, 1928

Syn.: *Keratella cochlearis* f. *hispida* (Lauterborn, 1898)

Syn.: *Keratella cochlearis* f. *micracantha* Lauterborn, 1900

Syn.: *Keratella cochlearis* f. *robusta* Lauterborn, 1900

Syn.: *Keratella cochlearis* f. *tecta* (Gosse, 1851)

Koste 1972a; 1974a; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Turner 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Lansac-Tôha *et al.* 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; Nogueira and Panarelli 1997; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2002; 2005; 2007; 2008; Crispim and Watanabe 2000; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Neto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Sampaio *et al.* 2002; Keppeler 2003; Rossa and Bonecker 2003; Lucinda *et al.* 2004; Lucinda *et al.* 2004; Ulloa 2004; Bonecker and Aoyagui 2005; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Eskinazi-Sant'Anna *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Sartori *et al.* 2009; Millan 2009; Negreiros *et al.* 2010; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.

Keratella cochlearis cochlearis (Gosse, 1851)

Keppeler and Hardy 2004.

Keratella cruciformis (Thompson, 1892)

Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.

Keratella lenzi Hauer, 1953

Syn.: *Keratella lenzi caudata* Koste, 1972

Syn.: *Keratella lenzi lenzi* Hauer, 1953

Hauer 1953; 1965; Krau 1967; Koste 1972a; 1974a; Schaden 1978; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Espíndola *et al.* 2000; Sampaio and Lopez 2000; Moretto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Ulloa 2004; Branco *et al.* 2005; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Leitão *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Eskinazi-Sant'Anna *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Sartori *et al.* 2009; Negreiros *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.

al. 2011; Souza-Soares *et al.* 2011.

Keratella paludosa (Lucks, 1912)

Espíndola *et al.* 1996; 2000.

Keratella mexicana Kutikova and Silva-Briano, 1995

Segers and de Smet, 2008 (RT).

Keratella nhamundaiensis Koste, 1982

Syn.: *Keratella americana nhamundaiensis* Koste, 1982

Syn.: *Keratella nhamunda* Koste and Robertson, 1983

Brandorff *et al.* 1982 (RE); Koste and Robertson 1983;

Koste *et al.* 1984; Bozelli 1992.

Keratella procurva (Thorpe, 1891)

Koste and Robertson 1990.

Keratella quadrata (Müller, 1786)

Moretto 2001; Neves *et al.* 2003; Borges and Pedrozo 2009.

Remarks: Segers (2007) pointed out that the taxonomy of *K. quadrata* is confused and a revision of the taxon need to be done.

Keratella quadrata quadrata (Müller, 1786)

Syn.: *Anuraea aculeata* Ehrenberg, 1832

Murray 1913; Krau 1967.

Keratella serrulata (Ehrenberg, 1838)

Syn.: *Keratella serrulata* f. *curvicornis* (Rylov, 1926)

Borges and Pedrozo 2009.

Keratella tecta (Gosse, 1851)

Syn.: *Keratella tecta tecta* (Lauterborn, 1900

Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000;

Souza-Soares *et al.* 2011.

Keratella thomassoni Hauer, 1958

Hauer, 1958 (RT); Crispim and Watanabe 2000; Melo-

Junior *et al.* 2007.

Keratella tropica (Apstein, 1907)

Syn.: *Anuraea valga* f. *tropica* Apstein, 1907

Syn.: *Keratella tropica* f. *brehmi* (Klausener, 1908)

Syn.: *Keratella tropica* f. *tropica* (Apstein, 1907)

Ahlstrom 1938; 1943; Hauer 1953; 1965; Krau 1967;

Thomasson 1971; Koste *et al.* 1984; Neumann-Leitão

and de Souza 1987; Neumann-Leitão 1990; Matsumura-

Tundisi *et al.* 1990; Sendacz and Costa 1991; Dabés

1995; Campos *et al.* 1996; Nunes *et al.* 1996; Oliveira-

Neto and Moreno 1998; Nogueira and Panarelli 1997;

de Souza *et al.* 1998; Garcia *et al.* 1998; Branco *et al.*

2002; 2007; Crispim and Watanabe 2000; Esteves *et al.*

2000; Martinez *et al.* 2000; Landa and Mourgés-

Schurter 2000a,b; Sampaio and Lopez 2000; Neto

2001; Landa *et al.* 2002; Neves *et al.* 2003; Sampaio

et al. 2002; Aoyagui *et al.* 2003; de Azevedo and

Bonecker 2003; Rossa and Bonecker 2003; Aoyagui

and Bonecker 2004b; Lucinda *et al.* 2004; Ulloa 2004;

Bonecker and Aoyagui 2005; Cabianca 2005; Bonecker

et al. 2005; Almeida *et al.* 2006; 2009; de Melo *et al.*

2006; Leitão *et al.* 2006; Serafim-Júnior *et al.* 2006;

2010; Vitória 2006; Batista 2007; Eskinazi-Sant'Anna

et al. 2007; Melo-Junior *et al.* 2007; Abra 2008; Maia-

Barbosa *et al.* 2008; Palazzo *et al.* 2008; Sartori *et al.*

2009; Borges and Pedrozo 2009; Casanova *et al.* 2009;

Ferraz *et al.* 2009; Negreiros *et al.* 2010; Santos 2010;

Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011;

Dantas-Silva and Dantas 2012.

Keratella valga (Ehrenberg, 1834)

Espíndola *et al.* 1996; Crispim and Freitas 2005;

Dantas-Silva and Dantas 2012.

- Genus *Kostea* De Smet, 1997
Kostea wockei (Koste, 1961)
 Syn.: *Paradicranophorus wockei* Koste, 1961
 Serafim-Júnior *et al.* 2003.
- Genus *Lacinularia* Schweigger, 1826
Lacinularia elliptica Shephard, 1897
 Hauer 1953; Krau 1967; Reid and Turner 1988;
 Oliveira-Neto and Moreno 1998; Souza-Soares *et al.*
 2011.
Lacinularia flosculosa (Müller, 1773)
 Koste 1972b; 1974b; 2000; Koste and Robertson 1990.
Lacinularia striolata Shephard, 1899
 Ahlstrom 1938; Krau 1967; Melo-Junior *et al.* 2007.
 Remarks: It was considered as *species inquirenda* in
 Segers (2007).
- Genus *Lecane* Nitzsch, 1827
 Syn.: *Monostyla* Ehrenberg, 1830
Lecane aculeata (Jakubski, 1912)
 Syn.: *Lecane aculeata aculeata* (Jakubski, 1912)
 Murray 1913; Krau 1967; Koste 1972a,b; 1974a,b;
 2000; Koste and Robertson 1983; Koste *et al.* 1984;
 Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto
 and Moreno 1998; Sampaio *et al.* 2002; Bonecker *et al.*
 2005; Cabianca 2005; Melo-Junior *et al.* 2007; Joko *et al.*
 2008 (RT); Souza-Soares *et al.* 2011.
Lecane acus (Harring, 1913)
 Koste 1972a; Koste and Robertson 1990.
 Remarks: It was considered as taxonomy unclear in
 Segers (2007).
Lecane agilis (Bryce, 1892)
 Segers and Dumont 1995; Oliveira-Neto and Moreno
 1998; Souza-Soares *et al.* 2011.
Lecane amazonica (Murray, 1913)
Monostyla amazonica Murray, 1913
 Syn.: *Lecane murrayi* Hauer, 1965 (*non* Korde (1927))
 Murray 1913; Krau 1967; Koste 1972a; Koste *et al.*
 1984; Bozelli 1992; Segers 1996 (RB); Dabés 1995;
 Joko *et al.* 2008.
Lecane amazonica larga Koste, 1978
 Koste 1978 (RT); Segers and Pourriot 1997 (RT).
 Remarks: Segers and Pourriot (1997) reported that no
 types or any other material of this taxon was deposited.
Lecane arcuata (Bryce, 1891)
Monostyla arcuata Bryce, 1891
 Murray 1913; Hauer 1953; Krau 1967; Koste and
 Robertson 1983; 1990; Turner and da Silva 1992;
 Espíndola *et al.* 1996; 2000; Koste 2000; Ferraz *et al.*
 2009.
Lecane arcuata Harring, 1914
 Hauer 1953; Krau 1967; Segers and Sarma 1993;
 Segers and Dumont 1995; Oliveira-Neto and Moreno
 1998; Koste 2000; de Azevedo and Bonecker 2003;
 Souza-Soares *et al.* 2011.
Lecane armata Thomasson, 1971
 Syn.: *Lecane gillardi armata* (Thomasson, 1971)
 Koste 1972b; 1974b; Segers 1996; Moretto 2001; Maia-
 Barbosa *et al.* 2008.
Lecane bifurca (Bryce, 1892)
 Segers and Dumont 1995; Oliveira-Neto and Moreno
 1998; Koste 2000; Joko *et al.* 2008; Souza-Soares *et al.*
 2011.
Lecane boettgeri Koste, 1986
 Koste 1986 (RT); Branco *et al.* 2000; 2005.
Lecane braziliensis Segers, 1993
 Segers 1993; Segers and Sarma 1993; Segers *et al.*
 1993a (RT); de Paggi and Koste 1995; Segers 1996;
 Segers and Dumont 1995; Oliveira-Neto and Moreno
 1998; Koste 2000; Magalhães and Pimpão 2004; Maia-
 Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
Lecane broaensis Segers and Dumont, 1995
 Segers and Dumont 1995; Segers 1996; Oliveira-Neto
 and Moreno 1998; Souza-Soares *et al.* 2011.
Lecane bulla (Gosse, 1851)
 Syn.: *Monostyla bulla* Gosse, 1851
 Syn.: *Lecane bulla papillosa* Koste, 2000
 Syn.: *Lecane bulla styrax* (Harring and Myers, 1926)
 Murray 1913; Ahlstrom 1938; Hauer 1953; 1965;
 Thomasson 1971; Green 1972; Koste 1972a,b; 1974a,b;
 Schaden 1976; Hardy 1980; Koste and Robertson 1983;
 Koste *et al.* 1984; Reid and Turner 1988; Neumann-
 Leitão 1990; Koste and Robertson 1990; Turner 1990;
 Sendacz and Costa 1991; Bozelli 1992; Turner and da
 Silva 1992; Segers and Sarma 1993; Lansac-Tôha *et al.*
 1993; Dabés 1995; Segers and Dumont 1995; Campos
et al. 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Oliveira-
 Neto and Moreno 1998; Branco *et al.* 2000; 2007; 2008;
 Koste 2000; Crispim and Watanabe 2000; Esteves *et al.*
 2000; Moretto 2001; Aoyagui *et al.* 2003; de Azevedo
 and Bonecker 2003; Neves *et al.* 2003; Sampaio
et al. 2002; Rossa and Bonecker 2003; Keppeler and
 Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005;
 Cabianca 2005; Almeida *et al.* 2006; Serafim-Júnior
et al. 2006; 2010; Vitorio 2006; Melo-Junior *et al.* 2007;
 Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.*
 2008; Nascimento 2008; Bonecker *et al.* 2009; Borges
 and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.*
 2009; Millan 2009; Santos 2010; Dantas-Silva and
 Dantas 2012.
Lecane bulla bulla (Gosse, 1851)
 Syn.: *Lecane bulla goniata* (Harring and Myers, 1926)
 Espíndola *et al.* 1996; de Souza *et al.* 1998; Koste 2000;
 Serafim-Júnior *et al.* 2003; Branco *et al.* 2005; Joko
et al. 2008; Souza-Soares *et al.* 2011.
Lecane clara (Bryce, 1892)
 Koste and Robertson 1990; de Paggi and Koste 1995;
 Segers and Dumont 1995; Oliveira-Neto and Moreno
 1998; Lucinda *et al.* 2004; Almeida *et al.* 2006; Melo-
 Junior *et al.* 2007; Souza-Soares *et al.* 2011.
Lecane closterocerca (Schmarda, 1856)
Monostyla closterocerca Schmarda, 1859
 Syn.: *Lecane wulferti* Hauer, 1956
 Syn.: *Lecane closterocerca amazonica* Koste, 1978
 Syn.: *Lecane closterocerca wulferti* (Hauer, 1956)
 Murray 1913; Hauer 1956; Krau 1967; Koste 1972a,b;
 1974b; 1978; 2000; Koste and Robertson 1983; 1990;
 Koste *et al.* 1984; Sendacz and Costa 1991; Turner and
 da Silva 1992; Dabés 1995; Segers and Dumont 1995;
 Segers 1996; Garcia *et al.* 1998; Oliveira-Neto and
 Moreno 1998; Esteves *et al.* 2000; Landa *et al.* 2002;
 Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Serafim-
 Júnior *et al.* 2003; Lucinda *et al.* 2004; Pareschi 2004;
 Bonecker *et al.* 2005; Neves and Serafim-Júnior 2007;

- Palazzo *et al.* 2008; Joko *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane copeis* (Harring and Myers, 1926)
Turner and da Silva 1992; Souza-Soares *et al.* 2011.
- Lecane cornuta* (Müller, 1786)
Syn.: *Monostyla cornuta oidipus* Hauer, 1956
Syn.: *Lecane cornuta cornuta* (Muller, 1786)
Syn.: *Lecane cornuta rotunda* (Fadewew, 1927)
Murray 1913; Ahlstrom 1938; Hauer 1953; 1965; Krau 1967; Thomasson 1972; Green 1972; Koste 1972a,b; 1974b; 2000; Schaden 1976; 1978; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Koste and Robertson 1990; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Neumann-Leitão 1990; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Segers 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Serafim-Júnior *et al.* 2003; 2006; 2010; Pareschi 2004; Abra 2008; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Joko *et al.* 2008; Palazzo *et al.* 2008; Almeida *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Negreiros *et al.* 2010; Souza-Soares *et al.* 2011.
- Lecane crenata* (Harring, 1913)
Monostyla crenata Harring, 1913
Green 1972; Koste 1972a,b; 1974a; Koste and Robertson 1983; 1990; Dabés 1995.
Remarks: It was considered as taxonomy unclear in Segers (2007).
- Lecane crepida* Harring, 1914
Syn.: *Lecane crepida longidactyla* Koste, 1972a
Koste 1972b; 1974b; 2000; Koste and Robertson 1990; Segers and Sarma 1993; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane curvicornis* (Murray, 1913)
Syn.: *Lecane acronycha* Harring and Myers, 1926
Syn.: *Lecane chankensis* Bogoslovsky, 1958
Syn.: *Lecane curvicornis* f. *curvicornis* (Murray, 1913)
Syn.: *Lecane curvicornis* f. *lofuana* (Murray, 1913)
Syn.: *Lecane curvicornis* f. *nitida* (Murray, 1913)
Murray 1913; Ahlstrom 1938; Hauer 1938; 1953; 1965; Krau 1967; Thomasson 1971; Green 1972; Koste 1972a,b; 1974b; 1978; 2000; Schaden 1976; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2008; Crispim and Watanabe 2000; Espíndola *et al.* 2000; Esteves *et al.* 2000; Martinez *et al.* 2000; Aoyagui *et al.* 2003; Keppeler 2003; Neves *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Almeida *et al.* 2006; 2009; Abra 2008; Branco *et al.* 2005; 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Joko *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Maia-Barbosa *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Lecane decipiens* (Murray 1913)
Monostyla decipiens Murray, 1913
Murray 1913; Oliveira 1959; Krau 1967; Koste and Robertson 1983; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Pareschi 2004; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane depressa* (Bryce, 1891)
Syn.: *Lecane tudicola* Harryand Myers, 1926
Green 1972; Crispim and Watanabe 2000; Melo-Junior *et al.* 2007; Abra 2008; Souza-Soares *et al.* 2011.
- Lecane deridderae* Koste, 1972a
Koste 1972a; 2000; Bozelli 1992; Segers 1996; Segers and Pourriot 1997; Branco *et al.* 2000; 2005.
- Lecane difficilis* Segers and Pourriot, 1997
Segers and Pourriot 1997.
- Lecane donneri* Chengalath and Mulamoottil, 1974
Neves *et al.* 2003.
- Lecane doryssa* Harring, 1914
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Dabés 1995; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane dumonti* Segers, 1993
Segers 1993; 1996; Segers *et al.* 1993a; Segers and Sarma 1993; de Paggi and Koste 1995; Souza-Soares *et al.* 2011.
- Lecane elegans* Harring, 1914
Koste 1972b; 1974b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane elongata* Harring and Myers, 1926
Koste and Robertson 1990; Turner and da Silva 1992; Neves *et al.* 2003.
- Lecane elsa* Hauer, 1931
Hauer 1931; Koste 1972a; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Sendacz and Costa 1991; Nunes *et al.* 1996; Segers 1996; Garcia *et al.* 1998; Campos *et al.* 1996; de Azevedo and Bonecker 2003; Keppeler 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Joko *et al.* 2008; Branco *et al.* 2007; 2008; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
- Lecane ercodes* Harring, 1914
Koste 1972a; Souza-Soares *et al.* 2011.
- Lecane eutarsa* Harring and Myers, 1926
Syn.: *Lecane amazoniana* Koste and Robertson 1983
Syn.: *Lecane stichaea* var. *amazonica* Koste 1978a
Koste 1978a; Koste and Robertson 1983; Koste and Robertson 1990; Segers and Sarma 1993; de Paggi and Koste 1995; Segers 1996; Garcia *et al.* 1998; Bonecker *et al.* 2005.
- Lecane flexilis* (Gosse, 1886)
Syn.: *Lecane glypta* Harring and Myers, 1926
Syn.: *Lecane compta* Harring, 1914
Murray 1913; Krau 1967; Green 1972; Koste 1972b;

- 1974b; Koste and Robertson 1990; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a; Lucinda *et al.* 2004; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane furcata* (Murray, 1913)
Monostyla furcata Murray, 1913
 Syn.: *Lecane elachis* Haring and Myers, 1926
 Syn.: *Monostyla ovalis* Jakubski, 1914
 Murray 1913; Krau 1967; Koste 1972a; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a; Lucinda *et al.* 2004; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane galeata* (Bryce, 1892)
 Syn.: *Lecane pygmaea* (Daday, 1897)
 Koste 1972a,b; 1974b.
- Lecane grandis* (Murray, 1913)
 Murray 1913; Huaer 1953; Krau 1967; Neumann-Leitão 1985/1986b (RT); Lansac-Tôha *et al.* 2009.
- Lecane haliclysta* Haring and Myers, 1926
 Syn.: *Lecane stichaeoides* Hauer, 1938
 Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983, 1990; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane hamata* (Stokes, 1896)
Monostyla hamata Stokes, 1896
 Murray 1913; Hauer 1953; Krau 1967; Green 1972; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Martinez *et al.* 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Lecane hastata* (Murray, 1913)
 Ahlstrom 1938; Krau 1967; Koste 1972a; Turner and da Silva 1992; Serafim-Júnior *et al.* 2003; Crispim and Freitas 2005; Abra 2008; Joko *et al.* 2008; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane hornemanni* (Ehrenberg, 1834)
 Syn.: *Lecane nodosa* Hauer, 1938
 Murray 1913; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Segers and Sarma 1993; Dabés 1995; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000; Moretto 2001; de Azevedo and Bonecker 2003; Lucinda *et al.* 2004; Serafim-Júnior *et al.* 2006; 2010; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane imbricata* (Carlin, 1939)
 Espíndola *et al.* 1996; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Borges and Pedrozo 2009.
- Lecane inermis* (Bryce, 1892)
 Koste 1972a,b; 1974b; 2000; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Moretto 2001; Pareschi 2004; Maia-Barbosa *et al.* 2008; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane inopinata* Haring and Myers, 1926
 Syn.: *Lecane inopinata sympoda* Wiszniewski, 1954
 Dabés 1995; Segers and Sarma 1993; Joko *et al.* 2008.
- Lecane kluchor* Tarnogradski, 1930
 Koste 1972a,b; 1974b.
- Lecane kutikowa* Koste, 1972a
 Koste 1972a; Koste and Robertson 1990; Segers 1996; Magalhães and Pimpão 2004.
- Lecane latissima* Yamamoto, 1955
 Sampaio *et al.* 2002; Souza-Soares *et al.* 2011.
- Lecane lauterborni* Hauer, 1924
 Koste 2000.
- Lecane leontina* (Turner, 1892)
 Syn.: *Lecane leontina leontina* (Turner, 1892)
 Murray 1913; Hauer 1953; 1965; Krau 1967; Thomasson 1971; Green 1972; Koste 1972a,b; 1974a,b; 2000; Schaden 1976; Hardy 1980; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Turner 1990; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Segers 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Crispim and Watanabe 2000; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Lecane levistyla* (Olofsson, 1917)
 Koste 1972a,b; 1974b; Dabés 1995; Landa and Mourgés-Schurter 2000a,b; Branco *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane levystila levystila* (Olofsson, 1917)
 Cabianca 2005.
- Lecane ludwigii* (Eckstein, 1883)
 Syn.: *Lecane ludwigii* f. *abrupta* Hauer, 1938
 Syn.: *Lecane ludwigii* f. *brevicaudata* Hauer, 1938
 Syn.: *Lecane ludwigii* f. *ercodes* (Haring, 1914)
 Syn.: *Lecane ludwigii* f. *lacunculata* Hauer, 1938
 Syn.: *Lecane ludwigii* f. *ludwigii* (Eckstein, 1883)
 Syn.: *Lecane ludwigii* f. *marshi* Haring, 1914
 Syn.: *Lecane ludwigii* f. *ohiensis* (Herrick, 1885)
 Syn.: *Lecane ludwigii* f. *typica* (Eckstein, 1883)
 Murray 1913; Hauer 1965; Krau 1967; Koste 1972a,b; 1974a,b; 2000; Schaden 1976; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; de Paggi and Koste 1995; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia

- et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; 2010; Lucinda *et al.* 2004; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Casanova *et al.* 2009; Negreiros *et al.* 2010; Souza-Soares *et al.* 2011.
- Lecane luna* (Muller, 1776)
Syn.: *Lecane luna luna* (Muller, 1776)
Syn.: *Lecane submagna* De Ridder, 1960
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Paranaguá and Neumann-Leitão 1982; Sendacz and Costa 1991; Turner and da Silva 1992; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Neto 2001; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Eskinazi-Sant'Anna *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Millan 2009; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Lecane lunaris* (Ehrenberg, 1832)
Monostyla lunaris Ehrenberg, 1832
Syn.: *Monostyla constricta* Murray, 1913
Syn.: *Monostyla lunaris f. perplexa* Ahlstrom, 1938
Syn.: *Lecane lunaris f. acus* (Myers, 1937)
Syn.: *Lecane lunaris f. constricta* (Murray 1913)
Syn.: *Lecane lunaris f. crenata* (Harring, 1913)
Syn.: *Lecane lunaris f. lunaris* (Ehrenberg, 1832)
Syn.: *Lecane lunaris f. perplexa* (Ahlstrom, 1938)
Murray 1913; Hauer 1965; Gillard 1967; Krau 1967; Koste 1972a,b; 1974b; 2000; Schaden 1976; 1978; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Neumann-Leitão 1990; Turner 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a,b; Sampaio and Lopez 2000; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; de Melo *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Branco *et al.* 2008; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Santos 2010; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.
- Lecane marchantaria* Koste and Robertson, 1983
Koste and Robertson 1983; Koste *et al.* 1984; de Paggi and Koste 1995; Segers 1996; Magalhães and Pimpão 2004.
- Lecane marlieri* Gillard, 1967
Koste 1972a.
- Lecane melini* Thomasson, 1953
Koste 1972a; Koste and Hardy 1984; Koste *et al.* 1984; Bozelli 1992; Segers 1996.
- Lecane mira* (Murray, 1913)
Crispim and Watanabe 2000; de Melo *et al.* 2006; Melo-Junior *et al.* 2007.
- Lecane mitis* Harring and Myers, 1926
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lecane monostyla* (Daday, 1897)
Monostyla monostyla Daday, 1897
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Neto 2001; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Branco *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane nana* (Murray, 1913)
Cathypna nana Murray 1913
Murray 1913; Koste 1972a,b; 1974b; Dabés 1995; Landa and Mourgés-Schurter 2000; Sampaio *et al.* 2002; Esteves *et al.* 2000; Souza-Soares *et al.* 2011.
- Lecane nelsoni* Segers, 1994
Segers 1994 (RT); 1996; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
- Lecane nitida* (Murray, 1913)
Cathypna nitida Murray, 1913
Murray 1913; Krau 1967; Dabés 1995.
- Lecane obtusa* (Murray, 1913)
Monostyla obtusa Murray, 1913
Murray 1913; Krau 1967; Koste 1972b; 1974b; 2000; Koste and Robertson 1983; 1990; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Sampaio *et al.* 2002; Segers and Sarma 1993; Melo-Junior *et al.* 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Almeida *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane ohioensis* (Herrick, 1885)
Syn.: *Lecane ichthyoura* (Anderson and Shephard, 1892)
Green 1972a; Koste and Robertson 1983; 1990; Crispim and Watanabe 2000; Koste 2000; Crispim and Freitas 2005; Melo-Junior *et al.* 2007; Souza-Soares *et al.* 2011.
- Lecane papuana* (Murray, 1913)
Cathypna papuana Murray, 1913
Syn.: *Lecane presumpta* Ahlstrom, 1938
Syn.: *Lecane luna* var. *presumpta* Ahlstrom, 1938
Murray 1913; Ahlstrom 1938; 1953; Hauer 1953; 1965; Krau 1967; Green 1972; Koste 1972a; Schaden 1976; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Neumann-Leitão 1990; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; Esteves *et al.* 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker

- 2003; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Almeida *et al.* 2006; Abra 2008; Melo-Junior *et al.* 2007; Joko *et al.* 2008; Palazzo *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane perplexa* (Ahlstrom, 1938)
Souza-Soares *et al.* 2011.
- Lecane pertica* Haring and Myers, 1926
Syn.: *Lecane pertica pertica* Haring and Myers, 1926
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Bozelli 1992; Segers and Sarma 1993; Segers 1996; Souza-Soares *et al.* 2011.
- Lecane ploenensis* (Voigt, 1902)
Green 1972; Koste 1972a,b; 1974a,b; Koste and Robertson 1990.
- Lecane pomiformis* Edmondson, 1938
Syn.: *Lecane paraclosterocerca* Pennak, 1939
Koste 1972b; 1974b.
- Lecane proiecta* Hauer, 1956
Hauer 1956; 1965; Gillard 1967; Koste 1972a,b; 1974b; Brandorff *et al.* 1982; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Reid and Turner 1988; Turner 1990; Bozelli 1992; Segers 1996; Espíndola *et al.* 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Ulloa 2004; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Branco *et al.* 2007; 2008; Neves and Serafim-Júnior 2007; Palazzo *et al.* 2008; Joko *et al.* 2008; Borges and Pedrozo 2009; Bonecker *et al.* 2009; Negreiros *et al.* 2010; Santos 2010; Souza-Soares *et al.* 2011.
- Lecane psammophila* (Wiszniewski, 1932)
Koste 2000; Maia-Barbosa *et al.* 2008.
- Lecane pumila* (Rousselet, 1906)
Souza-Soares *et al.* 2011.
- Lecane punctata* (Murray, 1913)
Monostyla punctata Murray, 1913
Syn.: *Lecane aquessei* De Ridder, 1960
Syn.: *Lecane harringi* (Ahlstrom, 1934)
Murray 1913; Krau 1967; Turner 1990; Turner and da Silva 1992.
- Lecane pusilla* Haring, 1914
Segers and Dumont 1995; Maia-Barbosa *et al.* 2008; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lecane pyriformis* (Daday, 1905)
Monostyla pyriformis Daday, 1905
Hauer 1953; Oliveira 1959; Krau 1967; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; Koste *et al.* 1984; Bozelli 1992; Segers and Sarma 1993; Segers and Dumont 1995; Neves *et al.* 2003; Lucinda *et al.* 2004; Crispim and Freitas 2005; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Palazzo *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane quadridentata* (Ehrenberg, 1832)
Monostyla quadridentata Ehrenberg, 1830
Syn.: *Monostyla bicornis* Daday, 1897
Murray 1913; Hauer 1953; 1965; Krau 1967; Koste 1972a,b; 1974a,b; Schaden 1976; 1978; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Garcia *et al.* 1998; Branco *et al.* 2000; 2005; 2008; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a; Martinez *et al.* 2000; Moretto 2001; Waichman *et al.* 2002; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Joko *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al.* 2011.
- Lecane remanei* Hauer, 1964
Hauer 1964 (RT); Koste 1972a; Bozelli 1992; Segers 1996.
- Lecane rhenana* Hauer, 1929.
Segers and Sarma 1993; Souza-Soares *et al.* 2011.
- Lecane rhytida* Haring and Myers, 1926.
Koste 1972a; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Joko *et al.* 2008.
- Lecane roberstsonae* Segers, 1993
Syn.: *Lecane aspasia amazonica* Koste and Robertson, 1983
Koste and Robertson 1983; de Paggi and Koste 1995; Segers 1996; Koste 2000; Joko *et al.* 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009.
- Lecane rudescui* Hauer, 1965
Hauer 1965; Koste 1972a; Koste *et al.* 1984; Segers 1996.
- Lecane rugosa* (Haring, 1914)
Monostyla rugosa Haring, 1914
Green 1972; Koste 1972a; Hardy 1980; Dabés 1995; de Paggi and Koste 1995; Segers 1996; Abra 2007; Souza-Soares *et al.* 2011.
- Lecane ruttneri* Hauer, 1938
Koste 1972a; Segers and Sarma 1993; Landa and Mourgés-Schurter 2000a,b; Sampaio *et al.* 2002; Souza-Soares *et al.* 2011.
- Lecane scutata* (Haring and Myers, 1926)
Monostyla scutata Haring and Myers, 1926
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1990; Dabés 1995; Crispim and Watanabe 2000; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Crispim and Freitas 2005; Cabianca 2005; Melo-Junior *et al.* 2007; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al.* 2011.
- Lecane signifera* (Jennings, 1896)
Koste and Robertson 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Segers and Dumont 1995; Segers 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Koste 2000; Neves *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Neves and Serafim-Júnior 2007; Joko *et al.* 2008; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane signifera ploenensis* (Voigt, 1902)
Koste 1972b; 1974b; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Turner and da Silva 1992; Dabés 1995.
- Lecane sola* Hauer, 1936
Hauer 1936; Segers and Sarma 1993; Koste 2000; Souza-Soares *et al.* 2011.
- Lecane spinulifera* Edmondson, 1935
Turner 1990; de Paggi and Koste 1995; Branco *et al.*

- 2007; 2008.
- Lecane stenroosi* (Meissner, 1908)
Syn.: *Lecane stenroosi stenroosi* (Meissner, 1908)
de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Branco *et al.* 2007; 2008; Neves and Serafim-Júnior 2007; Abra 2008; Joko *et al.* 2008; Casanova *et al.* 2009; Negreiros *et al.* 2010; Souza-Soares *et al.* 2011.
- Lecane stichaea* Harring, 1913
Syn.: *Lecane stichaea stichaea* Harring, 1913
Syn.: *Lecane methoria* Harring and Myers, 1926
Koste 1972a,b; 1974a,b; Koste and Robertson 1990; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Nunes *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a; Moretto 2001; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; Melo-Junior *et al.* 2007; Joko *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010.
- Lecane stichaeoides* Hauer, 1938
Koste and Robertson 1983.
- Lecane styrax* (Harring and Myers, 1926)
Koste and Robertson 1983; 1990; Turner and da Silva 1992.
- Lecane subtilis* Harring and Myers, 1926
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Crispim and Freitas 2005; Abra 2008; Joko *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane subulata* (Harring and Myers, 1926)
Koste and Robertson 1990.
- Lecane sympoda* Hauer, 1929
Koste 1972a; Koste and Robertson 1990; Segers 1996.
- Lecane tenuiseta* Harring, 1914
Koste and Robertson 1990; Koste 2000.
- Lecane thienemanni* (Hauer, 1938)
Joko *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Lecane uenoi* Yamamoto, 1951
Segers *et al.* 1993a; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lecane undulata* Hauer, 1938
Koste 2000.
- Lecane unguitata* (Fadeev, 1925)
Syn.: *Lecane unguitata unguitata* (Fadeew, 1925)
Koste 1972a; Turner and da Silva 1992; Segers and Pourriot 1997; Crispim and Watanabe 2000; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Melo-Junior *et al.* 2007; Lansac-Tôha *et al.* 2009; Millan 2009; Souza-Soares *et al.* 2011.
- Lecane ungulata* (Gosse, 1887)
Green 1972a,b; Koste 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Bonecker *et al.* 2005; Joko *et al.* 2008; Souza-Soares *et al.* 2011.
- Lecane venusta* Harring and Myers, 1926
Koste 2000.
- Genus *Lepadella* Bory de St. Vincent, 1826
- Lepadella acuminata* (Ehrenberg, 1834)
Koste 1972a,b; 1974b; 2000; Turner and da Silva 1992; Bozelli 1992; Segers and Sarma 1993; Dabés 1995; Sampaio *et al.* 2002; Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Abra 2008; Souza-Soares *et al.* 2011.
- Lepadella akrobeles* Myers, 1934
Crispim and Watanabe 2000; Melo-Junior *et al.* 2007.
- Lepadella amazonica* Segers, 1993
Segers *et al.* 1993a; de Paggi and Koste 1995; Segers 1996; Magalhães and Pimpão 2004.
- Lepadella amphitropis* Harring, 1916
Koste 1972a; Segers and Sarma 1993.
- Lepadella apsidea* Harring, 1916
Turner and da Silva 1992; de Paggi and Koste 1995; Crispim and Freitas 2005.
- Lepadella benjamini* Harring, 1916
Syn.: *Lepadella benjamini f. braziliensis* Koste 1972a
Koste 1972a; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Magalhães and Pimpão 2004; Bonecker *et al.* 2005; Souza-Soares *et al.* 2011.
- Lepadella bicornis* Vasisht and Battish, 1971
Segers *et al.* 1993a.
- Lepadella costata* Wulfert, 1940
Koste 1972a; 1974a.
- Lepadella costatoides* Segers, 1992
Segers 1992; Segers and Sarma 1993; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lepadella cristata* (Rousselet, 1893)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
- Lepadella cryphaea* Harring, 1916
Segers and Sarma 1993.
- Lepadella curvicaudata* Turner, 1990
Turner 1990; de Paggi and Koste 1995.
- Lepadella cyrtopus* Harring, 1914
Koste and Robertson 1983; Koste *et al.* 1984.
- Lepadella dactyliseta* (Stenroos, 1898)
Koste 1972a,b; 1974b; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lepadella donneri* Koste, 1972
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner 1990; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Magalhães and Pimpão 2004; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Lepadella elongata* Koste, 1972
Koste 1972; Segers and Dumont 1995; Souza-Soares *et al.* 2011.
- Lepadella ehrenbergii* (Perty, 1850)
Koste 1972b; 1974b.
- Lepadella elliptica* Wulfert, 1939
Souza-Soares *et al.* 2011.
- Lepadella glossa* Wulfert, 1960
Souza-Soares *et al.* 2011.
- Lepadella heterodactyla* Fadeew, 1925
Koste 2000; Souza-Soares *et al.* 2011.
- Lepadella heterostyla* (Murray, 1913)

- Koste 1972b; 1974b.
- Lepadella imbricata* Harring, 1914
Koste 1972a; 1974a; Koste and Robertson 1983; Turner and da Silva 1992; Pareschi 2004; Souza-Soares *et al.* 2011.
- Lepadella latusinus* (Hilgendorf, 1899)
Syn.: *Lepadella latusinus* var. *americana* Myers, 1934
Koste 1972a,b; 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Koste 2000; Cabianca 2005; Souza-Soares *et al.* 2011.
- Lepadella lindau* Koste, 1981
Segers *et al.* 1993a; de Paggi and Koste 1995.
- Lepadella minoruoides* Koste and Robertson, 1983
Koste and Robertson 1983; de Paggi and Koste 1995; Magalhães and Pimpão 2004.
- Lepadella monodactyla* Bērziņš, 1960
Syn.: *Lepadella monodactyla* f. *caudata* Koste 1972a
Koste 1972a; Koste and Robertson 1990; Magalhães and Pimpão 2004.
- Lepadella monodactyla braziliensis* Koste 1972a
Koste 1972a.
- Lepadella neglecta* Segers and Dumont, 1995
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011; Souza-Soares *et al.* 2011.
- Lepadella oblonga* (Ehrenberg, 1834)
Borges and Pedrozo 2009.
- Lepadella ovalis* (Müller, 1786)
Koste and Robertson 1983; Koste *et al.* 1984; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000a; Martinez *et al.* 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Borges and Pedrozo 2009; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al.* 2011; Souza-Soares *et al.* 2011.
- Lepadella patella* (Müller, 1773)
Ahlstrom 1938; Hauer 1953; 1965; Oliveira 1959; Krau 1967; Koste 1972a; Schaden 1976; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Turner and da Silva 1992; Dabés 1995; Segers and Dumont 1995; Nunes *et al.* 1996; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Moretto 2001; Branco *et al.* 2002; 2007; 2008; Landa *et al.* 2002; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Almeida *et al.* 2006; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Lepadella patella oblonga* (Ehrenberg, 1834)
Crispim and Freitas 2005; Souza-Soares *et al.* 2011.
- Lepadella patella patella* (Müller, 1786)
Syn.: *Lepadella minuta* Weber and Montet, 1919
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; de Souza *et al.* 1998; Koste 2000; Cabianca 2005; Abra 2008; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
- Lepadella pterygoida* (Dunlop, 1897)
Segers *et al.* 1993a.
- Lepadella quadricarinata* (Stenroos, 1898)
Segers and Sarma 1993; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al.* 2011.
- Lepadella quinquecostata* (Lucks, 1912)
Metopidia quinquecostata Lucks, 1912
Murray 1913; Krau 1967; Koste 1972a; 2000; Koste and Robertson 1990; Turner and da Silva 1992; Segers and Sarma 1993; Serafim-Júnior *et al.* 2003; Maia-Barbosa *et al.* 2008.
- Lepadella quinquecostata quinquecostata* (Lucks, 1912)
Syn.: *Lepadella christinei* Koste, 1990
Koste 1990; Koste and Robertson 1990; Magalhães and Pimpão 2004; Souza-Soares *et al.* 2011.
- Lepadella rhomboides* (Gosse, 1886)
Metopidia rhomboides Gosse, 1886
Murray 1913; Hauer 1953; Krau 1967; Koste 1972b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Lucinda *et al.* 2004.
- Lepadella rottenburgi* (Lucks, 1912)
Hauer 1965; Green 1972; Koste 1972a; 1974a; Espíndola *et al.* 1996.
- Lepadella rhomboides rhomboides* (Gosse, 1886)
Syn.: *Lepadella rhomboides carinata* Donner, 1943
Koste 1972a; Souza-Soares *et al.* 2011.
- Lepadella tenella* Wulfert, 1942
Serafim-Júnior *et al.* 2006.
- Lepadella triba* Myers, 1934
Koste 1972b; 1974a,b; Koste and Robertson 1983; Koste *et al.* 1984; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lepadella tricostata* Koste, 1990
Koste and Robertson 1990; de Paggi and Koste 1995.
- Lepadella triptera* (Ehrenberg, 1832)
Metopidia triptera Ehrenberg, 1832
Murray 1913; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; Segers and Dumont 1995; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Lepadella whitfordi* Ahlstrom, 1938
Koste 1972b; 1974b.
- Lepadella wrighti* Koste, 1972a
Koste 1972a; Magalhães and Pimpão 2004.
- Genus *Limnias* Schrank, 1803
Limnias ceratophylli Schrank, 1803
Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992.
- Limnias melicerta* Weisse, 1848
Koste 1972b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Lansac-Tôha *et al.* 2009.
- Genus *Lindia* Dujardin, 1841
Lindia fulva Harring and Myers, 1922
Segers and Sarma 1993; de Paggi and Koste 1995; Koste 2000.
- Lindia pallida* Harring and Myers, 1922
Turner and da Silva 1992; de Paggi and Koste 1995;

- Souza-Soares *et al.* 2011.
Lindia torulosa Dujardin, 1841
 Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Lindia truncata (Jennings, 1894)
 Koste 1972b; 1974b; Koste and Robertson 1983; 1990; Turner and da Silva 1992; Souza-Soares *et al.* 2011.
- Genus *Lophocharis* Ehrenberg, 1838
Lophocharis oxysternon (Gosse, 1851)
 Casanova *et al.* 2009; Lansac-Tôha *et al.* 2009.
Lophocharis salpina (Ehrenberg, 1834)
 Syn.: *Metopidia salpina* Hudson and Gosse, 1889
 Murray 1913; Krau 1967; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Genus *Macrochaetus* Perty, 1850
Macrochaetus altimirai (Arévalo, 1918)
 Syn.: *Macrochaetus altimirai braziliensis* Koste, 1972a
 Koste 1972a; 2000; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; de Paggi *et al.* 2000 (RT); Magalhães and Pimpão 2004; Souza-Soares *et al.* 2011.
Macrochaetus americanus Segers and Sarma, 1993
 Segers and Sarma 1993; de Paggi and Koste 1995; de Paggi *et al.* 2000; Koste 2000; Magalhães and Pimpão 2004.
Macrochaetus aspinus Segers and Sarma, 1993
 Segers and Sarma 1993; de Paggi and Koste 1995; de Paggi *et al.* 2000; Koste 2000; Magalhães and Pimpão 2004.
Macrochaetus collinsii (Gosse, 1867)
 Syn.: *Polychaetus collinsii* (Gosse, 1867)
 Murray 1913; Hauer 1965; Gillard 1967; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Koste *et al.* 1984; Neumann-Leitão 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2007; 2008; Landa and Mourgés-Schurter 2000a,b; de Paggi *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Bonecker *et al.* 2005; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008.
Macrochaetus collinsii collinsii (Gosse, 1867)
 Syn.: *Macrochaetus brasiliensis* Ahlstrom 1938
 Ahlstrom 1938; Krau 1967; Koste 1972a; Abra 2008; Souza-Soares *et al.* 2011.
Macrochaetus kostei de Paggi, Branco and Kozłowski-Suzuki, 2000
 de Paggi *et al.* 2000; Branco *et al.* 2000; 2005.
Macrochaetus longipes Myers, 1934
 Koste 1972a,b; 1974a,b; 2000; Turner and da Silva 1992; Dabés 1995; de Souza *et al.* 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000b; Neves *et al.* 2003; Branco *et al.* 2005; Melo-Junior *et al.* 2007; Maia-Barbosa *et al.* 2008; Lansac-Tôha *et al.* 2009.
Macrochaetus multispinosus Myers, 1934
 de Paggi *et al.* 2000; Koste 2000; Souza-Soares *et al.* 2011.
Macrochaetus paggiensae Koste, 2000
- Koste 2000.
Macrochaetus sericus (Thorpe, 1893)
 Koste 1972a,b; 1974b; 2000; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; de Paggi *et al.* 2000; Neves *et al.* 2003; Sampaio *et al.* 2002; Bonecker *et al.* 2005; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
Macrochaetus subquadratus (Perty, 1850)
 Hardy 1980; de Paggi *et al.* 2000; Lucinda *et al.* 2004; Neves and Serafim-Júnior 2007; Borges and Pedrozo 2009; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.
- Genus *Macrotrachela* Milne, 1886
Macrotrachela formosa (Murray, 1906)
 Krau 1967.
Macrotrachela habita (Bryce, 1894)
 Murray 1913; Krau 1967.
Macrotrachela multispinosa Thompson, 1892
 Murray 1913; Krau 1967; Koste 1972a.
Macrotrachela multispinosa multispinosa Thompson, 1892
 Koste 1972a.
Macrotrachela pacifica (Murray, 1911)
 Murray 1913; Krau 1967.
Macrotrachela papillosa Thompson, 1892
 Murray 1913; Krau 1967.
Macrotrachela plicata (Bryce, 1892)
 Murray 1913; Krau 1967; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Microcodon* Ehrenberg, 1830
Microcodon clavus Ehrenberg, 1830
 Koste and Hardy 1984; de Paggi and Koste 1995; Souza-Soares *et al.* 2011.
- Genus *Mikrocodides* Bergendal, 1892
Mikrocodides robustus (Glascott, 1893)
 Lansac-Tôha *et al.* 2009.
- Genus *Mniobia* Bryce, 1910
Mniobia tetraodon (Ehrenberg, 1848)
 Murray 1913; Krau 1967.
- Genus *Monommata* Bartsch, 1870
Monommata actices Myers, 1930
 Syn.: *Monommata arndti* Remane, 1933
 Koste and Hardy 1984; de Paggi and Koste 1995; Koste *et al.* 1984; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Millan 2009; Souza-Soares *et al.* 2011.
Monommata aeschyna Myers, 1930
 Souza-Soares *et al.* 2011.
Monommata astia Myers, 1930
 Turner and da Silva 1992.
Monommata caudata Myers, 1930
 Souza-Soares *et al.* 2011.
Monommata grandis Tessin, 1890
 Koste 1972a,b; 1974b; Koste and Robertson 1990; Souza-Soares *et al.* 2011.
Monommata hyalina Myers, 1930
 Koste 1972b; 1974b.

- Monommata longiseta* (Müller, 1786)
Serafim-Júnior *et al.* 2003; Lucinda *et al.* 2004; Cabianca 2005; Souza-Soares *et al.* 2011.
- Monommata maculata* Haring and Myers, 1930
Green 1972a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner 1990; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008; Koste 2000; Lucinda *et al.* 2004; Abra 2008; Souza-Soares *et al.* 2011.
- Monommata phoxa* Myers, 1930
Turner and da Silva 1992.
- Genus *Mytilina* Bory de St. Vincent, 1826
- Mytilina acanthophora* Hauer, 1938
Koste and Robertson 1983; Koste *et al.* 1984; Turner and da Silva 1992; Dabés 1995; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Mytilina bisulcata* (Lucks, 1912)
Koste and Robertson 1983; 1990; Koste *et al.* 1984; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2007; Esteves *et al.* 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Pareschi 2004; Cabianca 2005; Nascimento 2008; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Mytilina compressa* (Gosse, 1851)
Hauer 1953; Krau 1967; Turner and da Silva 1992.
- Mytilina macrocera* (Jennings, 1894)
Koste 1974a; Koste and Robertson 1990; Bozelli 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Esteves *et al.* 2000; Bonecker *et al.* 2005; Souza-Soares *et al.* 2011.
- Mytilina michelangellii* Reid and Turner, 1988
Syn.: *Mytilina ventralis* f. *diversicantha* Wulfert, 1965
Reid and Turner 1988; Oliveira-Neto and Moreno 1998; Koste and Robertson 1990.
- Mytilina mucronata* (Müller, 1773)
Syn.: *Salpina mucronata* Ehrenberg, 1830
Murray 1913; Krau 1967; Sampaio *et al.* 2002; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Mytilina mucronata mucronata* (Müller, 1773)
Souza-Soares *et al.* 2011.
- Mytilina mucronata spinigera* (Ehrenberg, 1830)
Turner and da Silva 1992.
- Mytilina trigona* (Gosse, 1851)
Murray 1913; Krau 1967; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Dabés 1995.
- Mytilina unguipes* (Lucks, 1912)
Koste and Robertson 1983; Dabés 1995; de Paggi and Koste 1995; Serafim *et al.* 2003.
- Mytilina ventralis* (Ehrenberg, 1830)
Syn.: *Mytilina ventralis macracantha* (Gosse, 1886)
Hauer 1965; Green 1972; Koste 1972a,b; 1974a,b; 2000; Schaden 1976; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Esteves *et al.* 2000; Martinez *et al.* 2000; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; 2006; 2010; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; Neves and Serafim-Júnior 2007; Melo-Junior *et al.* 2007; Branco *et al.* 2008; Maia-Barbosa *et al.* 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Mytilina ventralis brevispina* (Ehrenberg, 1830)
Serafim *et al.* 2003.
- Mytilina ventralis ventralis* (Ehrenberg, 1830)
Koste *et al.* 1984; Koste and Robertson 1990.
- Genus *Notholca* Gosse, 1886
- Notholca acuminata* (Ehrenberg, 1832)
Lansac-Tôha *et al.* 2009.
- Notholca verae* Kutikova, 1958
Sampaio *et al.* 2002; Souza-Soares *et al.* 2011.
- Genus *Notommata* Ehrenberg, 1830
- Notommata allantois* Wulfert, 1935
Koste 1972b; 1974b; 2000; Turner and da Silva 1992; Souza-Soares *et al.* 2011.
- Notommata cerberus* (Gosse, 1886)
Koste *et al.* 1984; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al.* 2011.
- Notommata codonella* Haring and Myers, 1924
Pareschi 2004; Souza-Soares *et al.* 2011.
- Notommata copeus* Ehrenberg, 1834
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Turner and da Silva 1992; Segers and Sarma 1993; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Lucinda *et al.* 2004; Neves and Serafim-Júnior 2007; Souza-Soares *et al.* 2011.
- Notommata cyrtopus* Gosse, 1886
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al.* 2011.
- Notommata falcinella* Haring and Myers, 1922
Koste 2000; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.
- Notommata glyphura* Wulfert, 1935
Koste 1972a,b; 1974b; Koste *et al.* 1984; Koste and Robertson 1990; Turner and da Silva 1992; Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
- Notommata haueri* Wulfert, 1939
Lansac-Tôha *et al.* 2009.
- Notommata pachyura* (Gosse, 1886)
Koste and Robertson 1990; Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al.* 2011.
- Notommata peridia* Haring and Myers, 1922
Reid and Turner 1988.
- Notommata prodota* Myers, 1933
Neves *et al.* 2003; Lansac-Tôha *et al.* 2009.
- Notommata pseudocerberus* de Beauchamp, 1908
Koste 1972b; 1974b; Neves *et al.* 2003; Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
- Notommata saccigera* Ehrenberg, 1830
Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
- Notommata tripus* Ehrenberg, 1838
Koste and Robertson 1990; de Paggi and Koste 1995;

- Koste 2000.
Notommata stitista Myers, 1937
 Aoyagui and Bonecker 2004b.
- Genus *Octotrocha* Thorpe, 1893
Octotrocha speciosa Thorpe, 1893
 Koste 1972b; 1974b; Koste and Robertson 1990;
 Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
- Genus *Paracolurella* Myers, 1936
Paracolurella aemula (Myers, 1934)
 Syn.: *Colurella logima aemula* (Myers, 1934)
 Turner and da Silva 1992; de Paggi and Koste 1995;
 Koste 2000.
Paracolurella logima Myers, 1934
 Syn.: *Colurella logima logima* (Myers, 1934)
 Koste 1972a; 2000; Borges and Pedrozo 2009.
- Genus *Philodina* Ehrenberg, 1830
Philodina acuticornis Murray, 1902
 Murray 1913; Krau 1967.
Philodina brevipes Murray, 1902
 Murray 1913; Krau 1967.
Philodina megalotrocha Ehrenberg, 1832
 Murray 1913; Krau 1967; Koste 1972a; Koste *et al.*
 1984.
Philodina plena (Bryce, 1894)
 Murray 1913; Krau 1967.
Philodina rugosa Bryce, 1903
 Murray 1913; Krau 1967.
Philodina triangulares Murray, 1913
 Murray 1913; Krau 1967.
Philodina vorax (Janson, 1893)
 Murray 1913; Krau 1967.
- Genus *Platyonus* Segers, Murugan and Dumont, 1993
Platyonus macracanthus (Daday, 1905)
 Campos *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.*
 1998; Martinez *et al.* 2000; Ulloa 2004; de Azevedo
 and Bonecker 2003; Bonecker *et al.* 2005; Neves and
 Serafim-Júnior 2007; Negreiros *et al.* 2010.
Platyonus patulus (Müller, 1786)
Brachionus patulus Müller, 1786
 Syn.: *Noteus militaris* Ehrenberg, 1834
 Murray 1913; Ahlstrom 1940; Hauer 1953; Krau 1967;
 Green 1972; Koste 1972a,b; 1974b; Schaden 1976;
 Hardy 1980; Paranaguá and Neumann-Leitão 1982;
 Neumann-Leitão and de Souza 1987; Matsumura-
 Tundisi *et al.* 1990; Turner and da Silva 1992; Lansac-
 Tôha *et al.* 1993; Segers and Sarma 1993; Campos *et al.*
 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-
 Tundisi 1996; Oliveira-Neto and Moreno 1998; Crispim
 and Watanabe 2000; Espíndola *et al.* 2000; Landa and
 Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.*
 2002; Waichman *et al.* 2002; Aoyagui *et al.* 2003; de
 Azevedo and Bonecker 2003; Bonecker *et al.* 2005;
 Crispim and Freitas 2005; Leitão *et al.* 2006; Vitorio
 2006; Branco *et al.* 2007; 2008; Eskinazi-Sant'Anna
et al. 2007; Melo-Junior *et al.* 2007; Maia-Barbosa
et al. 2008; Almeida *et al.* 2009; Bonecker *et al.* 2009;
 Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.*
 2009; Sartori *et al.* 2009; Negreiros *et al.* 2010; Santos
 2010.
Platyonus patulus macracanthus (Daday, 1905) 530
Noteus patulus macracanthus Daday, 1905
 Syn.: *Brachionus patulus macracanthus* (Daday, 1905)
 Ahlstrom 1940; Hauer 1965; Krau 1967; Koste 1972a,b;
 1974a,b; Hardy 1980; Koste and Robertson 1983;
 Koste *et al.* 1984; Neumann-Leitão 1990; Sendacz and
 Costa 1991; Turner and da Silva 1992; Dabés 1995;
 de Souza *et al.* 1998; Oliveira-Neto and Moreno 1998;
 Esteves *et al.* 2000; Aoyagui *et al.* 2003; Neves *et al.*
 2003; Keppeler and Hardy 2004; Abra 2008; Neves and
 Serafim-Júnior 2007; Casanova *et al.* 2009; Cavalcanti
et al. 2008; Serafim-Júnior *et al.* 2010; Souza-Soares
et al. 2011.
Platyonus patulus patulus (Müller, 1786)
 Syn.: *Brachionus patulus patulus* Muller, 1786
 Koste 1974a; Koste and Robertson 1983; Koste *et al.*
 1984; Bozelli 1992; Dabés 1995; de Souza *et al.* 1998;
 Garcia *et al.* 1998; Crispim and Watanabe 2000; Neves
et al. 2003; Lucinda *et al.* 2004; Cabianca 2005; Abra
 2007; Palazzo *et al.* 2008; Borges and Pedrozo 2009;
 Souza-Soares *et al.* 2011.
- Genus *Platyias* Haring, 1913
Platyias brevispina (Daday, 1905)
 Turner and da Silva 1992.
Platyias latiscapularis Koste, 1974b
 Koste 1974b; Koste and Robertson 1983; 1990; Turner
 and da Silva 1992; Segers *et al.* 1993b; Dabés 1995;
 Branco *et al.* 2005.
Platyias leloupi Gillard, 1967
 Syn.: *Platyias leloupi leloupi* Gillard, 1967
 Syn.: *Platyias leloupi f. latiscapularis* Koste, 1974a
 Koste 1974b; 2000; Koste and Robertson 1983; 1990;
 Koste *et al.* 1984; Turner and da Silva 1992; Segers and
 Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and
 Moreno 1998; Branco *et al.* 2000; 2005; 2007; 2008;
 Millan 2009; Souza-Soares *et al.* 2011.
Platyias quadricornis (Ehrenberg, 1832)
Noteus quadricornis Ehrenberg, 1832
 Murray 1913; Spandl 1926; Hauer 1953; Krau 1967;
 Thomasson 1971; Koste 1972a; 1974b; 2000; Schaden
 1976; Paranaguá and Neumann-Leitão 1982; Koste
 and Robertson 1983; Koste *et al.* 1984; Neumann-
 Leitão and de Souza 1987; Matsumura-Tundisi *et al.*
 1990; Neumann-Leitão 1990; Sendacz and Costa 1991;
 Bozelli 1992; Campos *et al.* 1996; Segers and Dumont
 1995; Espíndola *et al.* 1996; Nogueira and Matsumura-
 Tundisi 1996; Nunes *et al.* 1996; Nogueira and Panarelli
 1997; de Souza *et al.* 1998; Oliveira-Neto and Moreno
 1998; Crispim and Watanabe 2000; Esteves *et al.* 2000;
 Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003;
 Sampaio *et al.* 2002; Lucinda *et al.* 2004; Pareschi
 2004; Keppeler and Hardy 2004; Crispim and Freitas
 2005; Almeida *et al.* 2006; Vitorio 2006; Abra 2008;
 Branco *et al.* 2007; Melo-Junior *et al.* 2007; Neves and
 Serafim-Júnior 2007; Cavalcanti *et al.* 2008; Borges
 and Pedrozo 2009; Bonecker *et al.* 2009; Casanova
et al. 2009; Ferraz *et al.* 2009; Sartori *et al.* 2009; Santos
 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.*
 2011.
Platyias quadricornis quadricornis (Ehrenberg, 1832)

- Syn.: *Platyas quadricornis brevispinus* (Daday, 1905)
 Syn.: *Platyias quadridentatus* f. *brevispinus* (Daday, 1905)
 Ahlstrom 1938; Krau 1967; Koste 1972b; 1974a,b; Hardy 1980; Paranaguá and Neumann-Leitão 1982; Koste and Robertson 1983; Koste *et al.* 1984; Garcia *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; Cabianca 2005; Serafim-Júnior *et al.* 2006; 2010.
- Genus *Pleuretra* Bryce, 1910
Pleuretra brycei (Weber, 1898)
 Murray 1913; Krau 1967.
Pleuretra humerosa (Murray, 1905)
 Murray 1913; Krau 1967.
Pleuretra triangularis Murray, 1913
 Murray 1913; Krau 1967.
- Genus *Pleurotrocha* Ehrenberg, 1830
Pleurotrocha robusta (Glascott, 1893)
 Neves *et al.* 2003; Abra 2008; Souza-Soares *et al.* 2011.
- Genus *Ploesoma* Herrick, 1885
Ploesoma lenticulare Herrick, 1885
 Koste 1972a; 1974a; Koste and Hardy 1984; Koste *et al.* 1984; Branco *et al.* 2000; 2005; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.
Ploesoma truncatum (Levander, 1894)
 Hauer 1965; Gillard 1967; Thomasson 1971; Koste 1972a; Schaden 1976; Neumann-Leitão 1990; Bozelli 1992; Segers and Dumont 1995; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Almeida *et al.* 2006; 2009; Abra 2008; Melo-Junior *et al.* 2007; Casanova *et al.* 2009; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Genus *Polyarthra* Ehrenberg, 1834
Polyarthra dolichoptera Idelson, 1925
 Syn.: *Polyarthra dolichoptera dolichoptera* Idelson, 1925
 Koste 1972a; Turner and da Silva 1992; Dabés 1995; Espíndola *et al.* 1996; Branco *et al.* 2000; 2002; 2005; 2008; Crispim and Watanabe 2000; Martinez *et al.* 2000; Sampaio and Lopez 2000; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Aoyagui and Bonecker 2004b; Ulloa 2004; Branco *et al.* 2005; Crispim and Freitas 2005; Batista 2007; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Ferraz *et al.* 2009; Millan 2009; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
Polyarthra euryptera Wierzejski, 1891
 Padovesi-Fonseca *et al.* 2011.
Polyarthra longiremis Carlin, 1943
 Koste 1972a; Turner and da Silva 1992; Nogueira and Matsumura-Tundisi 1996.
Polyarthra maior Burckhardt, 1900
 Syn.: *Polyarthra maior* Carlin, 1943
 Koste 1972a; de Melo *et al.* 2006; Souza-Soares *et al.* 2011.
Polyarthra platyptera Ehrenberg, 1838
 Ahlstrom 1938; Krau 1967.
 Remarks: It was considered as *species inquirenda* in Segers (2007).
Polyarthra remata Skorikov, 1896
 Koste 1972a; 1974a; Koste and Hardy 1984; Koste *et al.* 1984; Turner and da Silva 1992; Campos *et al.* 1996; Garcia *et al.* 1998; Sampaio *et al.* 2002; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
Polyarthra trigla Ehrenberg, 1834
 Murray 1913; Krau 1967; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
 Remarks: It was considered as *species inquirenda* in Segers (2007).
Polyarthra vulgaris Carlin, 1943
 Syn.: *Polyarthra trigla vulgaris* Carlin, 1943
 Syn.: *Polyarthra vulgaris* var. *vulgaris* Carlin, 1943
 Syn.: *Polyarthra vulgaris* var. *longiremis* Carlin, 1943
 Syn.: *Polyarthra vulgaris* var. *proloba* Wulfert, 1941
 Hauer 1953; Krau 1967; Green 1972; Koste 1972a,b; 1974b; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Turner 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Nogueira and Matsumura-Tundisi 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Espíndola *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Neto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Rossa and Bonecker 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker and Aoyagui 2005; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Leitão *et al.* 2006; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Abra 2008; Batista 2007; Branco *et al.* 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Almeida *et al.* 2009; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Leitão *et al.* 2009; Sartori *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011; Dantas-Silva and Dantas 2012.
- Genus *Pompholyx* Gosse, 1951
Pompholyx complanata Gosse, 1851
 Matsumura-Tundisi *et al.* 1990; Oliveira-Neto and Moreno 1998; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Aoyagui *et al.* 2003; Bonecker and Aoyagui 2005; Cabianca 2005; Abra 2008; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
Pompholyx sulcata Hudson, 1885
 Crispim and Watanabe 2000; Martinez *et al.* 2000; Aoyagui *et al.* 2003; Sartori *et al.* 2009; Souza-Soares *et al.* 2011.
Pompholyx triloba Pejler, 1957
 Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Serafim-Júnior *et al.* 2003; Casanova *et al.* 2009; Souza-Soares

- et al.* 2011.
- Genus *Proales* Gosse, 1886
Proales decipiens (Ehrenberg, 1832)
 Turner and da Silva 1992; de Paggi and Koste 1995; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000; Souza-Soares *et al.* 2011.
Proales doliaris (Rousselet, 1895)
 Millan 2009; Souza-Soares *et al.* 2011.
Proales fallaciosa Wulfert, 1937
 Neumann-Leitão 1985/1986a; Neumann-Leitão 1990; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Proales gigantea (Glascott, 1893)
 Moretto 2001.
Proales globulifera (Hauer, 1921)
 Millan 2009; Souza-Soares *et al.* 2011.
- Genus *Proalinopsis* Weber, 1918
Proalinopsis caudatus (Collins, 1873)
 Millan 2009; Souza-Soares *et al.* 2011.
Proalinopsis staurus Harring and Myers, 1924
 Turner and da Silva 1992; de Paggi and Koste 1995; Souza-Soares *et al.* 2011.
- Genus *Ptygura* Ehrenberg, 1832
Ptygura barbata Edmondson, 1939
 Koste 1972b; 1974b; Koste and Robertson 1990; Koste 2000.
Ptygura brachiata (Hudson, 1886)
 Koste 1972b; 1974b; Koste 2000.
Ptygura crystallina (Ehrenberg, 1834)
 Koste 1972b; 1974b.
Ptygura elsteri Koste, 1972a
 Koste 1972a,b; 1974b; Pareschi 2004; Souza-Soares *et al.* 2011.
Ptygura furcillata (Kellicott, 1889)
 Koste 1972b; 1974b.
Ptygura libera Myers, 1934
 Koste 1972a; 2000; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Segers and Dumont 1995; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Lucinda *et al.* 2004; Sendacz *et al.* 2006; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
Ptygura linguata Edmondson, 1939
 Koste and Robertson 1983; Koste and Robertson 1990; Koste 2000.
Ptygura longicornis (Davis, 1867)
 Koste and Robertson 1990; de Paggi and Koste 1995; Serafim-Júnior *et al.* 2003.
Ptygura melicerta Ehrenberg, 1832
 Koste 1972a,b; 1974b; Koste *et al.* 1984; Santos 2010; Souza-Soares *et al.* 2011.
Ptygura melicerta melicerta Ehrenberg, 1832
 Koste 2000.
Ptygura mucicola (Kellicott, 1888)
 Koste 1972b; 1974b; Koste and Robertson 1990.
Ptygura pedunculata Edmondson, 1939
 Koste 1972a,b; 1974b; 2000; Borges and Pedrozo 2009.
Ptygura pilula (Cubitt, 1872)
 Syn.: *Ptygura pilula pilula* (Cubitt, 1872)
 Koste 2000.
Ptygura tacita Edmondson, 1940
 Koste 1972b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Souza-Soares *et al.* 2011.
Ptygura velata (Gosse, 1851)
 Koste 1972b; 1974b.
Ptygura wilsonii (Anderson and Shephard, 1892)
 Syn.: *Oecistes pectinifer* Murray 1913
 Murray 1913; Krau 1967; Koste 1972a,b; 1974b; Negreiros *et al.* 2010.
- Genus *Resticula* Harring and Myers, 1924
Resticula melandocus (Gosse, 1887)
 Koste *et al.* 1984; de Paggi and Koste 1995; Koste and Robertson 1990.
- Genus *Rotaria* Scopoli, 1777
Rotaria macrura (Ehrenberg, 1832)
Rotifer macrurus Ehrenberg, 1832
 Murray 1913; Krau 1967; Koste and Robertson 1983; Koste *et al.* 1984; Branco *et al.* 2000; 2005.
Rotaria neptunia (Ehrenberg, 1830)
 Oliveira 1959; Oliveria *et al.* 1971; Koste 1972a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; de Souza *et al.* 1998; Martinez *et al.* 2000; Eskinazi-Sant'Anna *et al.* 2007; Padovesi-Fonseca *et al.* 2011; Santos 2010; Souza-Soares *et al.* 2011.
Rotaria rotatoria (Pallas, 1766)
 Oliveira 1959; Krau 1967; 1972; Koste 1972a; Koste *et al.* 1984; Neumann-Leitão and de Souza 1987; Koste and Robertson 1990; Neumann-Leitão 1990; de Souza *et al.* 1998; Branco *et al.* 2002; Vitorio 2006; Melo-Junior *et al.* 2007; Dantas-Silva and Dantas 2012.
Rotaria rotatoria rotatoria (Pallas, 1766)
 Syn.: *Rotifer vulgaris*
 Murray 1913; Krau 1967; Koste and Robertson 1983.
Rotaria sordida sordida (Western, 1893)
 Syn.: *Rotifer longirostris* (Janson, 1893)
 Murray 1913; Krau 1967.
Rotaria tardigrada (Ehrenberg, 1830)
 Syn.: *Rotifer tardigradus* Ehrenberg, 1832
 Murray 1913; Oliveira 1959; Krau 1967; Koste and Robertson 1983; Koste *et al.* 1984; Martinez *et al.* 2000.
Rotaria trisecata (Weber, 1888)
Rotifer triseccatus Weber, 1888
 Murray 1913; Krau 1967.
- Genus *Rousseletia* Harring, 1913
Rousseletia corniculata Harring, 1913
 Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Scaridium* Ehrenberg, 1830
Scaridium bostjani Daems and Dumont, 1974
 Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Scaridium elongatum Segers, 1996
 Koste 1974b; Segers 1996; Magalhães and Pimpão 2004.
Scaridium longicaudum (Müller, 1786)
 Syn.: *Trichocerca longicauda* Lamarck, 1816

- Koste 1972b; 1974a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Crispim and Watanabe 2000; Neves *et al.* 2003; Serafim-Júnior *et al.* 2003; 2006; Melo-Junior *et al.* 2007; Souza-Soares *et al.* 2011.
- Genus *Sinantherina* Bory de St. Vincent, 1826
Sinantherina ariprepres Edmondson, 1939
 Koste 1972b; 1974b; Bozelli 1992; Nascimento 2008; Bonecker *et al.* 2009; Souza-Soares *et al.* 2011.
Sinantherina procera (Thorpe, 1893)
 Koste 1972b; 1974b; Bozelli 1992; Serafim-Júnior *et al.* 2003; Souza-Soares *et al.* 2011.
Sinantherina semibullata (Thorpe, 1893)
 Koste 1972a; Koste *et al.* 1984; Reid and Turner 1988; Bozelli 1992; Branco *et al.* 2008; Negreiros *et al.* 2010.
Sinantherina socialis (Linnaeus, 1758)
 Koste 1972a,b; 1974b; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Bozelli 1992; Espíndola *et al.* 1996; 2000; Souza-Soares *et al.* 2011.
Sinantherina spinosa (Thorpe, 1893)
 Koste 1972a,b; 1974a,b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Aoyagui and Bonecker 2004b; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Genus *Squatinella* Bory de St. Vincent, 1826
Squatinella bifurca (Bolton, 1884)
 Koste 1972a.
Squatinella longispinata (Tatem, 1867)
 Sampaio *et al.* 2002; Souza-Soares *et al.* 2011.
Squatinella lamellaris (Müller, 1786)
 Syn.: *Squatinella mutica* (Ehrenberg, 1832)
 Koste 1974a; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004.
- Genus *Stephanoceros* Ehrenberg, 1832
Stephanoceros fimbriatus (Goldfusz, 1820)
 Koste 1972b; 1974b; Bozelli 1992.
Stephanoceros millsii Kellicott, 1886
 Koste 1972b; 1974b; 2000.
- Genus *Synchaeta* Ehrenberg, 1832
Synchaeta baltica Ehrenberg, 1834
 Branco *et al.* 2007.
Synchaeta bicornis Smith, 1904
 Turner 1990; Lopes, 1994 (ZE); Branco *et al.* 2000; 2005; 2007; Souza-Soares *et al.* 2011.
Synchaeta elsteri Hauer, 1963
 Koste 1972a; Souza-Soares *et al.* 2011.
 Remarks: It was considered as *species inquirenda* in Segers (2007).
Synchaeta jollyae Shiel and Koste, 1993
 Negreiros *et al.* 2010.
Synchaeta longipes Gosse, 1887
 Koste 1972a; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Dabés 1995; Branco *et al.* 2000; 2005; 2008.
Synchaeta neapolitana Rousselet, 1902
 Krau 1972 (RT).
Synchaeta oblonga Ehrenberg, 1832
- Esteves *et al.* 2000; Neto 2001; Landa *et al.* 2002; Cabianca 2005; Sendacz *et al.* 2006; Nascimento 2008; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
Synchaeta pectinata Ehrenberg, 1832
 Green 1972; Koste 1972a; Koste and Robertson 1983; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Nogueira and Matsumura-Tundisi 1996; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Rossa and Bonecker 2003; Cabianca 2005; Abra 2008; Nascimento 2008; Palazzo *et al.* 2008; Bonecker *et al.* 2009; Borges and Pedrozo 2009; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
Synchaeta stylata Wierzejski, 1893
 Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Nogueira and Matsumura-Tundisi 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Espíndola *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Ulloa 2004; Cabianca 2005; Abra 2008; Casanova *et al.* 2009; Santos 2010; Souza-Soares *et al.* 2011.
Synchaeta tremula (Müller, 1786)
 Syn.: *Synchaeta tremula* var. *digitata* Krau 1972
 Krau 1972; Branco *et al.* 2008.
- Genus *Taphrocampa* Gosse, 1851
Taphrocampa annulosa Gosse, 1851
 Koste 1972b; 1974b; 2000; Segers and Sarma 1993; Turner and da Silva 1992; Turner and da Silva 1992.
Taphrocampa selenura Gosse, 1887
 Murray 1913; Krau 1967; Koste 1972a,b; 1974b; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
- Genus *Testudinella* Bory de St. Vincent, 1826
Testudinella ahlstromi Hauer, 1956
 Koste 1972a,b; 1974a,b; Koste and Robertson 1990; Bozelli 1992; Turner and da Silva 1992; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
Testudinella amphora Hauer, 1938
 Koste 1972b; 1974b; 2000; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
Testudinella brycei Hauer, 1938
 Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
Testudinella dendradena de Beauchamp, 1955
 Souza-Soares *et al.* 2011.
Testudinella emarginula (Stenroos, 1898)
 Segers and Sarma 1993; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Koste 2000.
Testudinella greeni Koste, 1981
 Koste and Robertson 1983.
Testudinella haueriensis Gillard, 1967
 Gillard 1967; Abra 2008; Souza-Soares *et al.* 2011.
Testudinella incisa (Ternetz, 1892)

- Bozelli 1992.
- Testudinella mucronata* (Gosse, 1886)
Koste 1972a; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Reid and Turner 1988; Bozelli 1992; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Aoyagui *et al.* 2003; Neves *et al.* 2003; Aoyagui and Bonecker 2004b; Bonecker *et al.* 2005; Branco *et al.* 2008; Souza-Soares *et al.* 2011.
- Testudinella mucronata haueriensis* Gillard, 1967
Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste *et al.* 1984; Reid and Turner 1988; Sendacz and Costa 1991; Campos *et al.* 1996; Nunes *et al.* 1996; Garcia *et al.* 1998; Sampaio *et al.* 2002.
- Testudinella ohlei* Koste, 1972a
Syn.: *Testudinella ohlei ohlei* Koste, 1972a
Koste 1972a,b; 1974a,b; 1978b (RT); Koste *et al.* 1984; Koste and Robertson 1990; Bozelli 1992; Garcia *et al.* 1998; Branco *et al.* 2000; 2008; 2005; Lucinda *et al.* 2004; Magalhães and Pimpão 2004; Bonecker *et al.* 2005; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Testudinella parva* (Ternetz, 1892)
Syn.: *Testudinella parva parva* (Ternetz, 1892)
Syn.: *Testudinella semiparva* Hauer, 1938
Green 1972; Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
- Testudinella patina* (Hermann, 1783)
Syn.: *Pterodina patina* Ehrenberg, 1830
Syn.: *Testudinella patina trilobata* Anderson and Shephard, 1892
Syn.: *Testudinella patina f. dendradena* (De Beauchamp, 1955)
Syn.: *Testudinella patina f. intermedia* (Anderson, 1898)
Syn.: *Testudinella patina f. mucronata* (Gosse, 1886)
Syn.: *Testudinella patina f. patina* (Hermann, 1783)
Murray 1913; Hauer 1953; 1965; Gillard 1967; Krau 1967; Koste 1972a,b; 1974a,b; 1978b; 2000; Schaden 1976; Koste and Robertson 1983; Koste *et al.* 1984; Koste and Hardy 1984; Neumann-Leitão and de Souza 1987; Koste and Robertson 1990; Matsumura-Tundisi *et al.* 1990; Neumann-Leitão 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Nunes *et al.* 1996; de Souza *et al.* 1998; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; 2008; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Martinez *et al.* 2000; Moretto 2001; Landa *et al.* 2002; Aoyagui *et al.* 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; de Azevedo and Bonecker 2003; Keppeler 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Pareschi 2004; Bonecker *et al.* 2005; 2009; Branco *et al.* 2005; Cabianca 2005; Crispim and Freitas 2005; de Melo *et al.* 2006; Batista 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Palazzo *et al.* 2008; Casanova *et al.* 2009; Ferraz *et al.* 2009; Negreiros *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Testudinella reflexa* (Gosse, 1887)
Koste *et al.* 1984.
- Testudinella robertsonae* Koste, 1990
Koste 1990; de Paggi and Koste 1995.
- Testudinella rousseleti* (Voigt, 1902)
Aoyagui *et al.* 2003.
- Testudinella tridentata* Smirnov, 1931
Syn.: *Testudinella tridentata tridentata* Smirnov, 1931
Syn.: *Testudinella tridentata amazonica* Thomasson, 1971
Koste 1972a,b; 1974a,b; Bozelli 1992; Segers and Sarma 1993; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Souza-Soares *et al.* 2011.
- Testudinella truncata* (Gosse, 1886)
Syn.: *Testudinella truncata truncata* Haring, 1913
Aoyagui *et al.* 2003; Borges and Pedrozo 2009.
- Genus *Tetrasiphon* Ehrenberg, 1840
Tetrasiphon hydrocora Ehrenberg, 1840
Koste and Robertson 1990; de Paggi and Koste 1995; Serafim-Júnior *et al.* 2003.
- Genus *Trichocerca* Lamarck, 1801
Trichocerca abilioi Segers and Sarma, 1993
Segers and Sarma 1993; de Paggi and Koste 1995; Segers 1996; Magalhães and Pimpão 2004.
- Trichocerca agnatha* Wulfert, 1939
Nogueira and Matsumura-Tundisi 1996.
- Trichocerca bicristata* (Gosse, 1887)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Landa and Mourgés-Schurter 2000b; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; 2009; Cabianca 2005; Abra 2008; Branco *et al.* 2007; 2008; Casanova *et al.* 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Trichocerca bidens* (Lucks, 1912)
Syn.: *Trichocerca cavia* (Gosse, 1886)
Koste 1972b; 1974b; Koste and Robertson 1990; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Moretto 2001; de Azevedo and Bonecker 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Borges and Pedrozo 2009; Millan 2009; Souza-Soares *et al.* 2011.
- Trichocerca brachyura* (Gosse, 1851)
Koste 1972b; 1974a,b; Martinez *et al.* 2000.
- Trichocerca braziliensis* (Murray, 1913)
Rattulus braziliensis Murray, 1913
Syn.: *Trichocerca elongata f. braziliensis* (Murray, 1913)
Murray 1913; Ahlstrom 1938; Krau 1967; Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Koste *et al.* 1984; Dabés 1995; Segers and Dumont 1995; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Branco *et al.* 2000; 2005; Segers 2003 (RB); Lucinda *et al.* 2004; Abra 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Trichocerca capucina* (Wierzejski and Zacharias, 1893)

- Green 1972; Koste 1972a; Koste and Hardy 1984; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Dabés 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio and Lopez 2000; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Cabianca 2005; Sendacz *et al.* 2006; Abra 2008; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Negreiros *et al.* 2010; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Trichocerca chattoni* (de Beauchamp, 1907)
Ahlstrom 1938; Krau 1967; Koste 1972a; 2000; Hardy 1980; Koste and Hardy 1984; Reid and Turner 1988; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Bozelli 1992; Turner and da Silva 1992; Campos *et al.* 1996; Espíndola *et al.* 1996; 2000; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Keppeler and Hardy 2004; Bonecker *et al.* 2005; Cabianca 2005; de Melo *et al.* 2006; Batista 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
Remarks: Segers (2007) pointed out that it was originally proposed as subspecies of *Trichocerca cylindrical*.
- Trichocerca collaris* (Rousselet, 1896)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Bozelli 1992; Branco *et al.* 2000; 2005; Souza-Soares *et al.* 2011.
- Trichocerca cylindrical* (Imhof, 1891)
Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000b; Aoyagui *et al.* 2003; Landa *et al.* 2002; Lucinda *et al.* 2004; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005; 2009; Cabianca 2005; Melo-Junior *et al.* 2007; Nascimento 2008; Souza-Soares *et al.* 2011.
- Trichocerca dixonnutalli* (Jennings, 1903)
Koste 1972a; Reid and Turner 1988; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Aoyagui and Bonecker 2004b; Bonecker *et al.* 2005; Cabianca 2005; Santos 2010; Souza-Soares *et al.* 2011.
- Trichocerca edmondsoni* (Myers, 1936)
Koste and Robertson 1990; Turner and da Silva 1992; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a; Neves *et al.* 2003; Sampaio *et al.* 2002; Segers 2003; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Branco *et al.* 2008; Abra 2008; Maia-Barbosa *et al.* 2008.
- Trichocerca elongata* (Gosse, 1886)
Syn.: *Trichocerca elongata elongata* (Gosse, 1886)
Koste 1974a; Matsumura-Tundisi *et al.* 1990; Branco *et al.* 2000; 2005; Souza-Soares *et al.* 2011.
- Trichocerca flagellata* Hauer, 1937
Koste and Robertson 1990; Segers and Sarma 1993; Dabés 1995; Koste 2000; Souza-Soares *et al.* 2011.
- Trichocerca gracilis* (Tessin, 1890)
Koste 1972a; Bozelli 1992; Turner and da Silva 1992; Espíndola *et al.* 1996; Garcia *et al.* 1998; Cabianca 2005; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).
- Trichocerca heterodactyla* (Tschugunoff, 1921)
Abra 2008; Souza-Soares *et al.* 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).
- Trichocerca hollaerti* De Smet, 1990
Segers and Sarma 1993; de Paggi and Koste 1995.
- Trichocerca iernis* (Gosse, 1887)
Koste and Robertson 1990; Bonecker *et al.* 2005; Maia-Barbosa *et al.* 2008; Bonecker *et al.* 2009; Souza-Soares *et al.* 2011.
- Trichocerca inermis* (Linder, 1904)
Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Koste 2000; Souza-Soares *et al.* 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).
- Trichocerca insignis* (Herrick, 1885)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1990; Dabés 1995; Garcia *et al.* 1998; Aoyagui *et al.* 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2008; Neves and Serafim-Júnior 2007; Casanova *et al.* 2009; Santos 2010; Souza-Soares *et al.* 2011.
- Trichocerca insulana* (Hauer, 1937)
Syn.: *Trichocerca montana* Hauer, 1956
Green 1972; Koste 1972b; 1974b; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Abra 2008; Souza-Soares *et al.* 2011.
- Trichocerca intermedia* (Stenroos, 1898)
Koste and Robertson 1983; Koste *et al.* 1984; Koste 2000.
- Trichocerca lata* (Jennings, 1894)
Crispim and Watanabe 2000.
- Trichocerca longiseta* (Schrank, 1802)
Matsumura-Tundisi *et al.* 1990; Turner and da Silva 1992; Segers and Sarma 1993; Segers and Dumont 1995; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Ferraz *et al.* 2009; Millan 2009; Souza-Soares *et al.* 2011.
- Trichocerca lophoessa* (Gosse, 1886)
Koste 1972b; 1974b.
- Trichocerca macera* (Gosse, 1886)
Syn.: *Mastigocerca fusiformis* Levander, 1894
Serafim-Júnior *et al.* 2003; de Azevedo and Bonecker 2003; Bonecker *et al.* 2005.
- Trichocerca marina* (Daday, 1890)
Abra 2008; Souza-Soares *et al.* 2011.
- Trichocerca minuta* (Gosse, 1886)
Ferraz *et al.* 2009.
Remarks: It was considered as *species inquirenda* in Segers (2007).
- Trichocerca mollis* Edmondson, 1936
Segers 2003; Casanova *et al.* 2009.
- Trichocerca mucosa* (Stokes, 1896)
Green 1972; Koste 1972a,b; 1974a,b; Souza-Soares *et al.* 2011.
- Trichocerca multicrinis* (Kellcott, 1897)
Syn.: *Trichocerca capuchina multicrinis* Kellcott, 1897
Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Souza-Soares *et al.* 2011.
- Trichocerca mus* Hauer, 1938
Koste and Robertson 1983; Matsumura-Tundisi *et al.*

- 1990; Oliveira-Neto and Moreno 1998; Abra 2008; Souza-Soares *et al.* 2011.
- Trichocerca musculus* (Hauer, 1937)
Souza-Soares *et al.* 2011.
- Trichocerca myersi* (Hauer, 1931)
Bozelli 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Bonecker *et al.* 2009.
- Trichocerca nitida* Haring, 1914
Syn.: *Trichocerca tapeinotes* Ahlstrom, 1938
Ahlstrom 1938; Krau 1967.
Remarks: It was considered as *species inquirenda* in Segers (2007).
- Trichocerca obtusidens* (Olofsson, 1918)
Syn.: *Trichocerca relictata* Donner, 1950
Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Borges and Pedrozo 2009; Souza-Soares *et al.* 2011.
- Trichocerca ornata* Myers, 1934
Souza-Soares *et al.* 2011.
- Trichocerca plaka* Myers, 1938
Bonecker *et al.* 2009.
- Trichocerca platessa* (Myers, 1934)
Koste 2000.
- Trichocerca porcellus* (Gosse, 1851)
Murray 1913; Krau 1967; Koste 1972b; 1974a,b; Turner and da Silva 1992; Segers and Sarma 1993; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Lucinda *et al.* 2004; Abra 2008; Casanova *et al.* 2009; Souza-Soares *et al.* 2011.
- Trichocerca pusilla* (Jennings, 1903)
Rattulus pusillus Jennings, 1903
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; 1974a; Koste and Robertson 1983; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Segers and Dumont 1995; Campos *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Landa and Mourgés-Schurter 2000a,b; Aoyagui *et al.* 2003; Landa *et al.* 2002; Sampaio *et al.* 2002; Azevedo and Bonecker 2003; Lucinda *et al.* 2004; Bonecker *et al.* 2005; 2009; Cabianca 2005; Sendacz *et al.* 2006; Serafim-Júnior *et al.* 2006; 2010; Neves and Serafim-Júnior 2007; Melo-Junior *et al.* 2007; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Santos 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Trichocerca rattus* (Müller, 1776)
Syn.: *Trichocerca rattus carinata* Ehrenberg, 1830
Hauer 1953; Krau 1967; Koste 1972b; 1974b; Koste and Robertson 1983; Koste *et al.* 1984; Turner 1990; Maia-Barbosa *et al.* 2008; Souza-Soares *et al.* 2011.
- Trichocerca rosea* (Stenroos, 1898)
Koste and Robertson 1990; Turner and da Silva 1992; Souza-Soares *et al.* 2011.
- Trichocerca rotundata* Myers, 1937
Segers and Sarma 1993; de Paggi and Koste 1995.
- Trichocerca rousseleti* (Voigt, 1902)
Koste 1972a; Souza-Soares *et al.* 2011.
- Trichocerca ruttneri* Donner, 1953
Koste 1972a; Souza-Soares *et al.* 2011.
- Trichocerca scipio* (Gosse, 1886)
Syn.: *Trichocerca jenningsi* Voigt, 1957
Koste and Robertson 1990; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Souza-Soares *et al.* 2011.
- Trichocerca siamensis* Segers and Pholpunthin, 1997
Segers 2003.
- Trichocerca similis* (Wierzejski, 1893)
Green 1972; Koste 1972a; 1974a; Hardy 1980; Koste and Robertson 1983; 1990; Koste and Hardy 1984; Matsumura-Tundisi *et al.* 1990; Sendacz and Costa 1991; Turner and da Silva 1992; Segers and Sarma 1993; Dabés 1995; Campos *et al.* 1996; Espíndola *et al.* 1996; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Branco *et al.* 2000; 2005; 2007; Esteves *et al.* 2000; Landa *et al.* 2002; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Sampaio *et al.* 2002; Keppeler 2003; Aoyagui and Bonecker 2004b; Keppeler and Hardy 2004; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Crispim and Freitas 2005; de Melo *et al.* 2006; Abra 2008; Maia-Barbosa *et al.* 2008; Nascimento 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Ferraz *et al.* 2009; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
- Trichocerca similis grandis* Hauer, 1965
Hauer 1965; Koste 1972a; Hardy 1980; Koste and Robertson 1983; Koste and Hardy 1984; Koste *et al.* 1984; Bozelli 1992; Garcia *et al.* 1998; Branco *et al.* 2000; 2005; 2008; de Azevedo and Bonecker 2003; Cabianca 2005; Abra 2008; Neves and Serafim-Júnior 2007; Borges and Pedrozo 2009; Serafim-Júnior *et al.* 2010; Souza-Soares *et al.* 2011.
- Trichocerca similis similis* (Wierzejski, 1893)
Syn.: *Diurella stylata* Eyferth, 1878
Hauer 1953; Krau 1967; Koste 1972a; Koste *et al.* 1984; Bozelli 1992; Cabianca 2005; Branco *et al.* 2005.
- Trichocerca simoneae* De Smet, 1990
Turner and da Silva 1992.
- Trichocerca stylata* (Gosse, 1851)
Syn.: *Rattullus stylatus* Jennings, 1903
Murray 1913; Ahlstrom 1938; Hauer 1953; Krau 1967; Koste 1972a; Koste and Hardy 1984; Turner and da Silva 1992; Espíndola *et al.* 1996; Oliveira-Neto and Moreno 1998; Landa and Mourgés-Schurter 2000a,b; Landa *et al.* 2002; Sampaio *et al.* 2002; Aoyagui *et al.* 2003; Bonecker *et al.* 2005; Cabianca 2005; Abra 2008; Maia-Barbosa *et al.* 2008; Ferraz *et al.* 2009; Souza-Soares *et al.* 2011.
- Trichocerca tenuidens* (Hauer, 1931)
Souza-Soares *et al.* 2011.
Remarks: It was considered as *species inquirenda* in Segers (2007).
- Trichocerca tenuior* (Gosse, 1886)
Koste 1972a,b; 1974b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Turner and da Silva 1992; Souza-Soares *et al.* 2011.
- Trichocerca tigris* (Müller, 1786)
Koste 1972a,b; 1974a,b; 2000; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Bozelli 1992; Turner and da Silva 1992; Segers and Dumont 1995; Oliveira-Neto and Moreno 1998; Serafim-Júnior *et al.* 2003; Borges

- and Pedrozo 2009; Souza-Soares *et al.* 2011.
Trichocerca uncinata (Voigt, 1902)
 Koste 1972a; Koste 1974a.
Trichocerca vargai Wulfert, 1961
 Oliveira-Neto and Moreno 1998; Souza-Soares *et al.* 2011.
Trichocerca voluta (Murray, 1913)
 Murray 1913; Krau 1967; Koste 1972b; 1974b; Koste and Robertson 1983; Souza-Soares *et al.* 2011.
Trichocerca weberi (Jennings, 1903)
 Koste 1972a,b; 1974a,b; Souza-Soares *et al.* 2011.

Genus *Trichotria* Bory de St. Vincent, 1827

- Trichotria tetractis* (Ehrenberg, 1830)
 Hauer 1965; Thomasson 1971; Green 1972; Koste 1972a,b; 1974a,b; Hardy 1980; Koste and Robertson 1983; 1990; Koste *et al.* 1984; Matsumura-Tundisi *et al.* 1990; Bozelli 1992; Dabés 1995; Segers and Dumont 1995; Garcia *et al.* 1998; Oliveira-Neto and Moreno 1998; Esteves *et al.* 2000; Aoyagui *et al.* 2003; de Azevedo and Bonecker 2003; Neves *et al.* 2003; Aoyagui and Bonecker 2004b; Lucinda *et al.* 2004; Bonecker *et al.* 2005; Abra 2007; Melo-Junior *et al.* 2007; Neves and Serafim-Júnior 2007; Maia-Barbosa *et al.* 2008; Borges and Pedrozo 2009; Casanova *et al.* 2009; Millan 2009; Negreiros *et al.* 2010; Serafim-Júnior *et al.* 2010; Padovesi-Fonseca *et al.* 2011; Souza-Soares *et al.* 2011.
Trichotria tetractis caudata (Lucks, 1912)
 Koste 1972a.
 Remarks: Segers (2007) reported that this species may be a mere infrasubspecific variant.
Trichotria tetractis similis (Stenroos, 1898)
 Koste 2000.
 Remarks: Segers (2007) reported that this species may be a mere infrasubspecific variant.
Trichotria tetractis tetractis (Ehrenberg, 1830)
 Koste 2000; Serafim-Júnior *et al.* 2006.

Genus *Tripleuchlanis* Myers, 1930

- Tripleuchlanis plicata* (Levander, 1894)
 Syn.: *Tripleuchlanis plicata plicata* (Levander, 1894)
 Koste and Robertson 1983; Lansac-Tôha *et al.* 2009; Souza-Soares *et al.* 2011.

Genus *Trochosphaera* Semper, 1872

- Trochosphaera aequatorialis* Semper, 1872
 Koste and Robertson 1983; Sendacz and Costa 1991; Bozelli 1992; Espíndola *et al.* 1996; 2000; Oliveira-Neto and Moreno 1998; Keppeler 2003; Neves *et al.* 2003; Keppeler and Hardy 2004; Souza-Soares *et al.* 2011.

Genus *Vanoyella* Evens, 1947

- Vanoyella globosa* Evens, 1947
 Espíndola *et al.* 1996; 2000; Souza-Soares *et al.* 2011.

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