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A revised and updated checklist of Monogononta rotifers from Argentina

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Abstract: We provide here a checklist of species of Monogononta rotifers from lentic and lotic environments in Argentina, 25 years after the initial catalogue compiled by Susana B. José de Paggi. This new inventory now includes the reports on rotifers documented in 93 studies produced after 1990. The majority of the investigations were carried out in three of the 24 Argentine provinces. In addition, the presence of 13 species in samples from three water bodies within Buenos Aires province are now cited here for the first time in Argentina. In this updated checklist, a total of 351 species are catalogued, the majority being representatives of the Lecanidae, Brachionidae, and Lepadellidae.

Key words: biodiversity; Rotifera; new records; inland waters; Argentine provinces

INTRODUCTION

The phylum Rotifera contains about 1,570 known species in the class Monogononta according to Segers (2007) and Segers and De Smet (2008). The Palaearctic is the best studied zoogeographical region with 1,350 species while the Neotropical Region represents the third in representational magnitude in with 566 monogonont species recorded (Segers 2008).

Literature on particular aquatic environments with extensive listings of monogonont species is a useful and relevant tool for the analysis of world rotifer diversity (Eriksen 1969; Miracle et al. 1995; de Manuel Barrabin 2000; Bonecker et al. 2005; Segers and Sanoamuang 2007; Schöll and Kiss 2009; Meas and Sanoamuang 2010; Tayade and Dabhade 2011; Dang et al. 2013; Karuthapandi et al. 2013; Meas and Sor 2014; Sharma 2014).

Checklists have been provided for the Palaearctic (Jersabek and Bolortsetseg 2010; Kordbacheh and Rahimian 2012; Ustaoğlu et al. 2012; Silfverberg 2013), the Afrotropical (De Ridder 1991), and the Oriental regions (Sa-Ardrit et al. 2013). In the Neotropics, Koste and José de Paggi (1982) and José de Paggi and Koste (1995) compiled the then existing information on the Monogononta, reporting 624 species while suggesting that the information was fragmentary and many areas still lacked investigation. Later, checklists were given for Jamaica (Koste et al. 1993), Mexico (Sarma 1999), Guatemala and Belize (García-Morales and Elías-Gutiérrez 2007), Brazil (Garraffoni and Lourenço 2012) and a Bolivian floodplain lake (Segers et al. 1998).

In Argentina, knowledge of the rotifer fauna remains relatively scanty (Aoyagui and Bonecker 2004), no doubt related to the scarcity of researchers working on that phylum. We therefore present here — some 25 years after the seminal contribution of José de Paggi (1990) — a revised and updated checklist of the Monogononta recorded in Argentina. In her checklist José de Paggi (1990) reported 218 monogonont species for Argentina, the majority belonging to the families Brachionidae (7 genera with 45 species: 21% of the total), Lecanidae (1 genus with 46 species, 21% of the total), Trichocercidae (1 genus with 22 species, 10% of the total) and Lepadellidae (3 genera with 19 species, 9% of the total). To compile this checklist, information was extracted from 42 articles that had focused mainly on zooplankton analyses, with the majority having been published in the second half of the last century. The investigations cited were performed equally in lotic and lentic environments throughout the entire country, although with no records from three provinces (Formosa, Misiones, and La Pampa).

In order to compile this up-to-date catalogue, we obtained data from the literature published after 1990 and in addition analyzed plankton samples from three selected lentic and lotic environments of Buenos Aires province, following the premise proposed by Dumont and Segers (1996) that remarkable biodiversity levels can be found in even a single pond.

MATERIALS AND METHODS

The present checklist is based on a literature search of 93 studies (89 journal articles and 4 doctoral dissertations), plus our own investigation of three water bodies. Zooplankton samples were obtained from two shallow lakes located in the pampas depression in northeastern Buenos Aires province: Lacombe Lake (35°50′ S, 057°53′ W) (Figure 1) and La Rosita Lake (36°01′ S, 057°78′ W) (Figure 2). Duplicate samples (100 L) were taken at a single sampling station located in the deepest part of both lakes during midmorning by means of a suction pump. The samples were concentrated by filtration through a plankton net of mesh 35 µm and preserved in 4% (v/v) aqueous formaldehyde. Detailed descriptions of these lakes and the sampling methods used are provided by Ardohain (2008) and Ardohain et al. (2005, 2014). In addition, a zooplankton sample was obtained from the canal Mones Cazón (35°31′ S, 060°25′ W) (Figure 3) that flows into the headwaters of a lowland river (the Salado) located in the pampean plain within the same province. The sample was collected during midmorning at midchannel by means of a suction pump. A volume of 100 L was pumped from a depth of 0.50 m below the surface and passed through a 25 mm diameter hose into a 35 mm mesh net. The material retained was preserved in a 4% (v/v) aqueous formaldehyde. Detailed information on the limnologic characteristics of the Salado River is included in Gabellone et al. (2008, 2013a) and Claps et al. (2009).

The taxa collected were identified following Koste (1978), Koste and Shiel (1987, 1989, 1990), Shiel and Koste (1992), Segers et al. (1994), Segers (1995), De Smet (1996, 2003), and Nogrady and Segers (2002). We followed Segers (2002, 2003, 2007), Segers et al. (2012), Jersabek et al. (2012), and Jersabek and Leitner (2013) for classification, nomenclature, and biogeography. The specimens were identified using a Nikon Eclipse E200 compound microscope. Trophi were extracted by adding a solution of sodium hypochlorite to dissolve the soft tissues.

The zooplankton samples analyzed were deposited at the Institute of Limnology Dr. Raúl A. Ringuelet with catalogue numbers (LAC 4/02, MC 9/04 and LR 4/06).

Figure 1–3. Photos of the sampling sites. **1:** the Pampean shallow lake Lacombe; **2:** the Pampean shallow lake La Rosita; **3:** the canal Mones Cazón located in the upper basin of the Salado River.

RESULTS

The present analysis of the 93 literature references revealed that 351 Monogonota species have been recorded in the country (Appendix). The regions surveyed in the majority of the reports were restricted to the provinces of Santa Fe (68% of the total records), Corrientes and Buenos Aires (50% of the total records), and Río Negro and Formosa (30% of the total records). The number of species was low in the rest of the provinces; with minima occurring in Misiones, Jujuy, Catamarca, Chubut, and Santa Cruz (fewer than 5% of the total records; Figure 4).

In addition, the analysis of the samples obtained from the three water bodies within the Buenos Aires province resulted in the identification of 63 species belonging to 16 families and 26 genera, with 19 of these species being new records for this province. Among the species identified, 13 are reported here for the first time in Argentina, thus increasing the rotifer richness of the country by 4% (Table 1). Furthermore, two families —the Ituridae, with *Itura aurita* (Ehrenberg, 1830) and *I. myersi* (Wulfert, 1935), and the Proalidae (with *Proalides tentaculatus* de Beauchamp, 1907) — plus four genera —*Itura*, *Proales*, *Paradicranophorus* and *Proalides* — are reported for the first time in Argentina (Table 1; Figure 5).

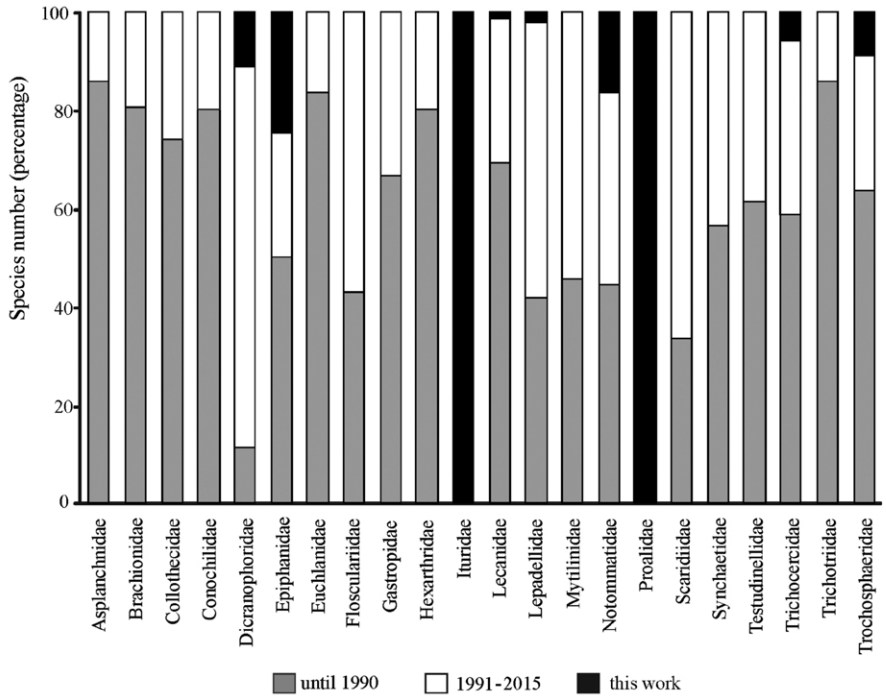


Figure 4. Percent contribution to the tally of species within each Argentine Monogononta rotifer family by the records cited by José de Paggi (1990), those recorded between 1991 and 2015, and those recorded in this study.

Table 1. Number of Monogononta rotifer species in the families recorded in Argentina according to the checklist of José de Paggi (1990) along with the new additions obtained from the revised literature between 1991 and 2015 plus the collections in this present research.

	Until 1990	1991–2015	Own observations
Asplanchnidae	6	1	
Brachionidae	51	13	
Collothecidae	3	1	
Conochilidae	4	1	
Dicranophoridae	1	7	1
Epiphanidae	2	1	1
Euchlanidae	8	2	
Flosculariidae	4	4	
Gastropidae	4	2	
Hexarthridae	4	1	
Ituridae **			2
Lecanidae	45	20	1
Lepadellidae	17	24	1
Mytilinidae	5	6	
Notommatidae	8	7	3
Proalidae**			1
Scaridiidae	1	2	
Synchaetidae	9	7	
Testudinellidae	11	7	
Trichocercidae	20	12	2
Trichotriidae	6	1	
Trochosphaeridae	7	3	1

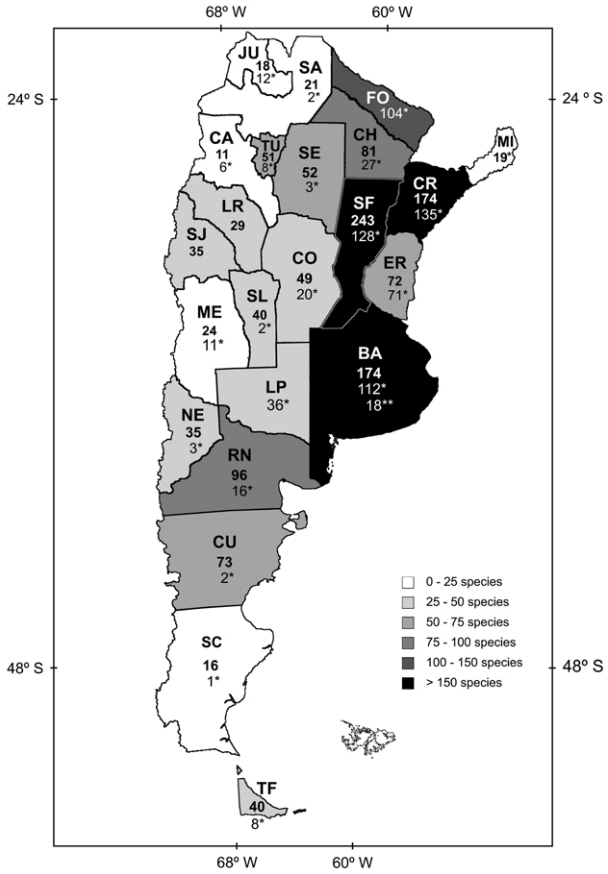


Figure 5. Map of Argentina showing the total records of Monogononta rotifers (those of recorded between 1991 and 2015 (*), and those our own observations(**); abbreviations of provinces: JU: Jujuy, SA: Salta, FO: Formosa, CH: Chaco, CA: Catamarca, TU: Tucumán, SE: Santiago del Estero, CR: Corrientes, MI: Misiones, LR: La Rioja, SJ: San Juan, SF: Santa Fe, CO: Córdoba, BA: Buenos Aires, ER: Entre Ríos, ME: Mendoza, SL: San Luis, LP: La Pampa, NE: Neuquén, RN: Río Negro, CU: Chubut, SC: Santa Cruz, TF: Tierra del Fuego.

Table 2. List of the Monogononta rotifers collected in three environments of the Buenos Aires province (abbreviations of water-bodies: LR (La Rosita Lake); LAC (Lacombe Lake); MC (Mones Cazón Canal).

Species	Locality
Asplanchnidae	
Asplanchna girodi De Guerne, 1888	LR
Brachionidae	
Brachionus angularis Gosse, 1851	LAC
B. bidentatus Anderson, 1889	LAC
B. calyciflorus Pallas, 1766	MC
B. caudatus Barrois & Daday, 1894	LR - LAC - MC
B. dimidiatus Bryce, 1931	LAC
B. havanaensis Rousselet, 1911	LAC
B. plicatilis Müller, 1786	MC
B. pterodinoides Rousselet 1913	MC
B. quadridentatus Hermann, 1783	LR - MC
B. rubens Ehrenberg, 1838	MC
Keratella lenzi Hauer, 1953	MC - LR - LAC
K. morenoi Modenutti, Diéguez & Segers 1998	LR
K. tropica (Apstein, 1907)	MC- LR- LAC
Plationus patulus (Müller, 1786)	LR
Platyias quadricornis (Ehrenberg, 1832)	LR
Dicranophoridae	
Paradicranophorus hudsoni (Glascott 1893)**	MC
Epiphanidae	
Proalides tentaculatus de Beuchamp, 1907**	LAC
Euchlanidae	
Euchlanis dilatata Ehrenberg, 1832	LR
E. oropha Gosse, 1887	LR
Tripleuchlanis plicata (Levander, 1894)*	LR
Ituridae **	
Itura aurita (Ehrenberg, 1830)**	MC
I. myersi Wulfert, 1935**	MC
Lecanidae	
Lecane aculeata (Jakubski, 1912)	LAC
L. arcuata (Bryce, 1891)	LR
L. bulla (Gosse, 1851)	LR
L. closterocerca (Schmarda, 1856)	LR – LAC
L. furcata (Murray, 1913)	LR
L. hamata (Stokes, 1896)	LR
L. leontina (Turner, 1892)	LR
L. luna (Müller, 1776)	LR
L. nana (Murray, 1913)	LR
L. obtusa (Murray, 1913)*	LR
L. pyriformis (Daday, 1905)	LR
L. subulata (Harring & Myers, 1926) **	LR
Lepadellidae	
Colurella obtusa (Gosse, 1886)	LR
C. uncinata (Müller, 1773)	LAC
Lepadella lindaui Koste, 1981**	LR
L. ovalis (Müller, 1786)	LR
L. patella (Müller, 1773)	LR - LAC
L. triptera (Ehrenberg, 1832)	LR
Mytilinidae	
Mytilina ventralis (Ehrenberg, 1830)	LR
Notommatidae	
Cephalodella catellina (Müller, 1786) *	LR
C. exigua (Gosse, 1886)**	LR
Eosphora ehrenbergi Weber 1918 *	LAC
Eosphora najas Ehrenberg, 1830**	LR
Notommata glyphura Wulfert, 1935**	LR – MC
Proalidae **	
Proales decipiens (Ehrenberg, 1832)**	LR
Synchaetidae	
Polyarthra vulgaris Carlin, 1943	LR – LAC
Synchaeta oblonga Ehrenberg, 1832	LAC
Testudinellidae	
Pompholyx sulcata Hudson, 1885	LAC
Testudinella patina (Hermann, 1783)	LR
Trichocercidae	
Trichocerca elongata (Gosse, 1886)	LR
T. obtusidens (Olofsson, 1918) **	LR
T. pusilla (Jennings, 1903)	LAC
T. ruttneri Donner, 1953*	LAC
T. similis (Wierzejski, 1893)	LAC
T. vernalis (Hauer, 1936)	LAC
T. tenuior (Gosse, 1886) **	LR – LAC
Trichotriidae	
Trichotria tetractis (Ehrenberg, 1830)	LR
Trochosphaeridae	
Filinia longiseta (Ehrenberg, 1834)	LR – MC
Filinia pejleri Hutchinson, 1964	LR
Horaella brehmi Donner, 1949 **	LR

new records: *for Buenos Aires province, **for Argentina.

Remarks on new Argentine records obtained from the three water bodies in Buenos Aires province

Cephalodella exigua (Gosse, 1886)

Body short truncated at the posterior end. Large head and clearly demarcated neck. Small tubular foot with short toes ventrally curved and gradually tapering to acute tips. Trophus type A with the fulcrum slightly expanded distally in lateral and dorsal view, rami without teeth and manubria without basal lamellae and distal expansions (Figure 4).

Distribution: Cosmopolitan. In the Neotropical Region, this species was recorded in Brazil (Garraffoni and Lourenço 2012; Fontaneto et al. 2012), Paraguay (Fontaneto et al. 2012) and Mexico (Sarma 1999).

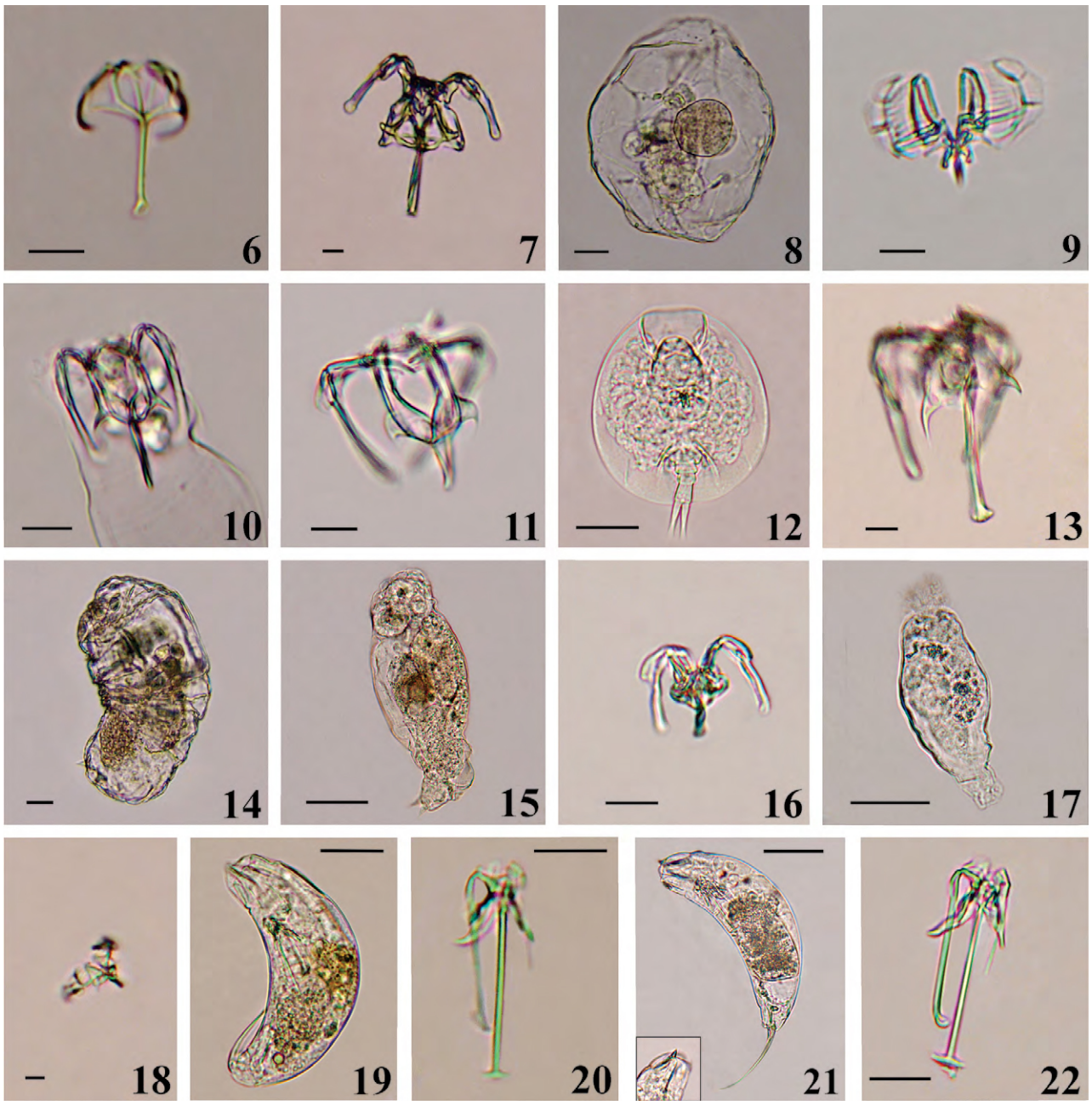
Ecology: According to Jersabek and Bolortsetseg (2010), the species is eurytopic inhabiting the littoral of freshwater and brackish environments.

Eosphora najas Ehrenberg, 1830

Foot well developed (three segments) with two short strong toes. Large elongate notommatid with virgate trophus. Unci with two teeth (Figure 5).

Distribution: Cosmopolitan (Fontaneto and Melone 2003). In the Neotropical Region, Fontaneto et al. (2012) cited this species in Nicaragua and Ecuador and Sarma (1999), in Mexico.

Ecology: Predator of other rotifers (Fontaneto and Melone 2003).



Figures 6–22. New records. **6:** *Cephalodella exigua* trophus. **7:** *Eosphora najas* trophus. **8–9**: *Horaëlla brehmi* habitus and trophus. **10:** *Itura aurita* trophus. **11:** *Itura myersi* trophus. **12:** *Lepadella lindaui* habitus. **13:** *Notommata glyphura* trophus. **14:** *Paradicranophorus hudsoni* habitus. **15**–**16:** *Proales decipiens* habitus (contracted specimen) and trophus. **17**–**18:** *Proalides tentaculatus* habitus (contracted specimen) and trophus. **19–20:** *Trichocerca obtusidens* habitus (contracted specimen) and trophus. **21–22:** *Trichocerca tenuior* habitus and trophus. Scale bars = 10µm for Figures 4, 5, 7, 8, 9, 11, 14, 16, 18, 20. Scale bars = 25 µm for Figures 10, 17. Scale bars = 50 µm for Figures 6, 12, 13, 157, 19. (Photos by NSF).

Horaella brehmi Donner, 1949

Body saccate, elliptic and transparent (Figure 8). Trophus malleoramate, symmetrical with two large and some small unci teeth, proximal tooth with anterior projection (Figure 7).

Distribution: Widespread but rare: Palaearctic, African, Oriental and Australian regions (Segers 2007). In the Neotropical Region, this species was recorded previously in Brazil (Garraffoni and Lourenço 2012); Colombia (Jaramillo-Londoño and Aguirre-Ramírez 2012) and Chile (De Ridder and Segers 1997).

Ecology: Warm stenotherm (Nogrady and Segers 2002).

Itura aurita (Ehrenberg, 1830)

Fulcrum elongate with proximal projection. Ramus with asymmetrical external lamellae. Alulae strongly asymmetrical. Rami tips with distinct diverging teeth. Manubrium with elongate and recurved inner proximal lamella (Figure 8).

Distribution: Cosmopolitan (Fontaneto and Melone 2003). In the Neotropical Region, this species was recorded previously in Brazil (Moretto 2001; Garraffoni and Lourenço 2012); Peru (De Ridder and Segers 1997) and Mexico (Sarma 1999; Sarma and Elías-Gutiérrez 2000).

Ecology: Littoral benthic-periphytic species, often in lentic eutrophic freshwater or slightly brackish waters (De Smet and Pourriot 1997). Herbivorous (euglenoids and other unicellular algae) (De Smet and Pourriot 1997).

Itura myersi Wulfert, 1935

Fulcrum broad with proximal projection. Inner lamellae on rami asymmetrical. Alulae symmetrical. Rami tips with distinct diverging teeth. Manubrium with triangular inner proximal lamella (Figure 9).

Distribution: Widespread (Bertani et al. 2009). In the Neotropical Region, this species was recorded previously in Brazil (Azevedo 2006); Venezuela (Fontaneto et al. 2012) and Mexico (Sarma 1999; Sarma and Elías-Gutiérrez 2000).

Ecology: Benthic-periphytic species, often found in ponds, fens and also slightly brackish waters (Bertani et al. 2009).

Lecane subulata (Harring & Myers, 1926)

Lorica soft. Dorsal plate wider than ventral one. Margins of the head aperture coincident. Toe single with two incompletely separated claws.

Distribution: According to Segers (1995) the species occurs in regions with arctic or temperate climatic conditions, not necessarily restricted by latitude in the Northern or Southern Hemisphere. In Africa, the species was recorded near the Equator at about 1,700 m above sea level (Baribwegure and Segers 2000). In the Neotropical Region, *L. subulata* was recorded previously in Brazil (Garraffoni & Lourenço 2012; Fontaneto et al. 2012) and Chile (Fontaneto et al. 2012).

Ecology: Living in lake psammon (Lokko and Virro 2014).

Lepadella lindaui Koste, 1981

Lorica and head opening almost circular in outline. Presence of longitudinal ridges on dorsal lorica (Figure 10).

Distribution: Pantropical species recorded in Australia, Africa, Oriental Region and South America (Segers 2007). In the Neotropical Region, the species was recorded in Brazil (Garrafonni and Lourenço 2012).

Ecology: In the plankton (Baribwegure and Segers 2000) and associated with aquatic macrophytes (Arora and Mehra 2003).

Notommata glyphura Wulfert, 1935

Trophus virgate, asymmetrical with a large left alula, rami with teeth (Figure 11).

Distribution: According to Nogrady et al. (1995) and to Kaya and Altindağ (2010), cosmopolitan. In the Neotropical Region, the species is present in Brazil (Agostinho et al. 2005; Garraffoni and Lourenço 2012; Fontaneto et al. 2012), Mexico (Sarma et al. 1999), Jamaica (Koste et al. 1993), and Paraguay, Ecuador and Peru (Fontaneto et al. 2012).

Ecology: Predator of mainly bdelloids (Nogrady et al. 1995).

Paradicranophorus hudsoni (Glascott, 1893)

Body pyriform. Deep circular transversal furrows. Rostrum broadly triangular (Figure 12). Trophus with rami elongate and fulcrum relatively short, preuncinal teeth participating in the formation of the ramus lock. Intramallei absent.

Distribution: Probably cosmopolitan (De Smet 2003). In the Neotropical Region, this species was found previously only in Colombia (López 2011; Morón Granados 2011).

Ecology: Freshwater and marine habitats (Litton Jr 1983; Bertani et al. 2011). Found in plankton or in the drift of running waters, *P. hudsoni* is a littoral species typically associated with muddy bottoms (Bertani et al. 2011).

Proales decipiens (Ehrenberg, 1830)

Elongated fusiform body with soft cuticle. Short foot with conical toes gradually tapering to narrow, sharp ends (Figure 13). Trophus virgate: Triangular rami with margins and tips toothed asymmetrically. Short fulcrum. Left uncus with 4 or 5 teeth and right with 5 teeth that gradually decrease in size. Principal tooth bifurcate. Manubria and posterior lamela long (Figure 14).

Distribution: Cosmopolitan (De Smet 1996). In the Neotropical Region, the species is present in Brazil (Garraffoni and Lourenço 2012; Fontaneto et al. 2012), Mexico (Sarma 1999), Jamaica (Koste et al. 1993), Ecuador and Peru (Fontaneto et al. 2012).

Ecology: Periphytic in ponds, feeding on bacteria, detritus and small algae (De Smet 1996).

Proalides tentaculatus de Beauchamp, 1907

Body vermiform. Foot rudimentary without toes (Figure 15). Trophus malleate. Dorsal antenna long; rami with small alulae; unci with 8 or 9 equal teeth; manubria without lamellae, not terminally crooked; integument transparent (Figure 16).

Distribution: In Europe, USA, Kenya, Australia (Koste and Shiel 1987), New Zealand (Sanoamuang 1992), Thailand (Sanoamuang et al. 1995), Turkey (Erdogan and Giiher 2005), and Iran (Malekzadeh Viayeh and Špoljar 2012). Recorded in Central America (García-Morales and Elías-Gutiérrez 2007), in Brazil and the Bahamas (Fontaneto et al. 2012), Mexico (Sarma 1999; Sarma and Elías-Gutiérrez 2000; Fontaneto et al. 2012), and Guatemala (García-Morales and Elías-Gutiérrez 2007).

Ecology: In fresh and brackish water (Koste and Shiel 1987).

Trichocerca obtusidens (Olofsson, 1918)

Body cylindrical with anterior mucron and with dorsal ridge. Toes unequal in length (about ⅓ of the body length) and very narrow, the shorter approximately ¾ of

the longer. Two substyles are present on either side of the toes (Figure 17). Trophus asymmetrical with the left side well-developed (Figure 18).

Distribution: In cold water environments in the Northern Hemisphere (Segers 2003), with African (Arimoro and Oganah 2010), Australian (Segers and Shiel 2008) and South-American records (Garraffoni and Lourenço 2012). In the Neotropical Region the species is present in Brazil (Garraffoni and Lourenço 2012; Fontaneto et al. 2012) and Ecuador (Fontaneto et al. 2012).

Ecology: In the plankton and associated with aquatic macrophytes (Pejler and Běrziňš 1993).

Trichocerca tenuior (Gosse, 1886)

Body cylindrical with a small anterior mucron. On the dorsal side there is a striated area about two-thirds the length of the body from the anterior end. The dorsal ridge is well-developed, tapering from the head to the foot opening (Figure 19). Trophus asymmetrical with the left side well-developed. Rudimentary right manubrium and uncus, both slender rods. The left manubrium is well-developed, with the free end broadly recurved. The fulcrum is long and expanded at the posterior ends. The right ramus is massive, with small alula, while the left ramus is more slender with elongated alula. The left uncus has three slender teeth; in addition, the ventral side of the left ramus has three large teeth (Figure 20).

Distribution: Cosmopolitan (Segers 2003). In the Neotropical Region the species is present in Brazil (Garraffoni and Lourenço 2012; Fontaneto et al. 2012; da Silva et al. 2014), Chile, Paraguay, Panamá, Venezuela, Ecuador and Peru (Fontaneto et al. 2012), Guatemala (García-Morales and Elías-Gutiérrez 2007), Bolivia (Segers et al. 1998) and Mexico (Sarma 1999).

Ecology: According to Segers (2003), this species frequently inhabits the psammon. In periphyton and psammon of standing waters as well as in the littoral of streams and occurring only occasionally in open-water habitats; *T. tenuoir* is also present in bogs (Bertani et al. 2011).

DISCUSSION

Following the world checklist of Segers (2007) we checked the status of the species cited in Argentina and found that two species are synonyms of others. Therefore we remove the records of: 1) *Euchlanis parva* (synonym of *E. oropha*) cited by José de Paggi (1990) in Buenos Aires, Santa Fe and Tierra del Fuego, 2) *Lecane stichaeoides* (synonym of *L. haliclysta*) cited by José de Paggi (1990) and Frutos (1998) in Chaco.

According to the present analysis of the new additions reported in the literature published between 1990 and 2015 along with the new records obtained in aquatic environments of Buenos Aires province, the Monogononta rotifer fauna has increased in richness by 34% since the publication of Jose de Paggi (1990). Unlike that study, however, the majority of the present investigations were carried out in lentic environments (70% of the environments analyzed); moreover, the citations here included all provinces except San Juan and La Rioja (Figure 4). We wish to stress that in agreement with the records in Paggi's checklist, the majority of aquatic environments reported here are located in the Del Plata basin and in the Patagonia region. The Monogononta rotifers of Argentina catalogued thus far are distributed among 22 families; with the Lecanidae (1 genus: 66 species), Brachionidae (7 genera: 64 species) and Lepadellidae (3 genera: 42 species) being the most diverse (Table 1). These families comprise 50% of the Monogononta species in Argentina, while the rest are distributed among the remaining 19 families. The genus *Lecane* has also been considered the most diverse in Southeast Asia (Segers 2001), Mexico (Sarma 1999; Nandini et al. 2005), Guatemala, Belize (García-Morales and Elías-Gutiérrez 2007), and Brazil (Garraffoni and Lourenço 2012), as well as in other countries.

The rotifer richness in Argentina is only 50% of that reported from Brazil (Garraffoni and Lourenço 2012); which in turn represents but 25% of the global richness (Agostinho et al. 2005). This lower number of Argentine species could possibly be because the majority of the investigations have been restricted to specific provinces or aquatic environments, leaving other areas unexplored. This reason was suggested by Fontaneto et al. (2012) as a major constraint on the knowledge of rotifer distribution, both here and elsewhere. For this reason, the rotifer fauna of Argentina is likely to be considerably richer than what is reported here; and therefore, in agreement with suggestion of Garrafoni and Lourenço (2012), additional investigations must be performed in order to achieve a more complete knowledge of the rotifer fauna of this country.

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APPENDIX

List of the Monogononta rotifers recorded in Argentina comprising the contribution of José de Paggi (1990) and this revision including papers between 1991 and 2015.

Abbreviations of provinces: **JU:** Jujuy, **SA:** Salta, **FO:** Formosa, **CH:** Chaco, **CA:** Catamarca, **TU:** Tucumán, **SE:** Santiago del Estero, **CR:** Corrientes, **MI:** Misiones, **LR:** La Rioja, **SJ:** San Juan, **SF:** Santa Fe, **CO:** Córdoba, **BA:** Buenos Aires, **ER:** Entre Ríos, **ME:** Mendoza, **SL:** San Luis, **LP:** La Pampa, **NE:** Neuquén, **RN:** Río Negro, **CU:** Chubut, **SC:** Santa Cruz, **TF:** Tierra del Fuego.

Genus *Anuraeopsis* Lauterborn, 1900

Anuraeopsis fissa Gosse, 1851
José de Paggi 1990: TU, SF, BA
FO: José de Paggi 2001b. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; Battauz et al. 2014. **CO:** Dippolito1988. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Neschuk et al. 2002; Modenutti 1998a; Chaparro et al. 2011. **LP:** Echaniz et al. 2012. **RN:** Modenutti 1998b

Anuraeopsis navicula Rousselet, 1911
José de Paggi 1990: TU, SF, BA
CR: José de Paggi 1996. **SF:** José de Paggi 2004; Battauz et al. 2014. **BA:** Kuczynski 1991; José de Paggi 2004

Anuraeopsis urawensis Sudzuki, 1957
SF: Battauz et al. 2014

Genus *Ascomorpha* Perty, 1850

Ascomorpha ecaudis Perty, 1850
José de Paggi 1990: SF
FO: José de Paggi 2001b. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996. **SF:** José de Paggi 2004; Pecorari et al. 2006; José de Paggi and Devercelli 2011; José de Paggi et al. 2012. **ER:** José de Paggi 2004. **BA:** José de Paggi 2004. **TF:** Quiroga et al. 2013

Ascomorpha klementi (Hauer, 1965)
José de Paggi 1990: SF

Ascomorpha ovalis (Bergendal, 1892)
SF: José de Paggi 2004; Pecorari et al. 2006

Ascomorpha saltans Bartsch, 1870
José de Paggi 1990: SJ, SF, NE, RN
SF: José de Paggi and Koste; José de Paggi 2004. **CR:** José de Paggi 2004. **CO:** Dippolito1988. **BA:** Boltovskoy et al. 1990; Claps et al. 2009; Ardohain et al. 2014. **RN:** Modenutti 1998b

Genus *Asplanchna* Gosse, 1850

Asplanchna brightwellii Gosse, 1850
José de Paggi 1990: SF, BA, CU, SC, TF
CR: Paggi and José de Paggi 1990; José de Paggi 2004. **SF:** José de Paggi and Paggi 1998; José de Paggi and Devercelli 2011; José de Paggi et al. 2012. **CO:** Casco et al. 2002. **BA:** Modenutti 1998a; Neschuk et al. 2002; Ardohain et al. 2014; Chaparro et al. 2015. **RN:** Diéguez and Modenutti 1996; Modenutti 1998b; Reissig et al. 2006

Asplanchna girodi de Guerne, 1888
José de Paggi 1990: SA, SF, BA, CU
SF: José de Paggi 2004. **ER:** José de Paggi 2004. **CO:** Dippolito 1988; MacDonagh et al. 2009. **BA:** Boltovskoy et al. 1990; Benítez and Claps 2000; Claps et al. 2009; Ardohain et al. 2014. **TF:** Quiroga et al. 2013

Asplanchna intermedia Hudson, 1886
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Asplanchna priodonta Gosse, 1850
José de Paggi 1990: TF

Asplanchna sieboldii (Leydig, 1854)
José de Paggi 1990: CR, BA, TF
FO: José de Paggi 2001b. **CR:** José de Paggi 2004; Frutos and Carnevali 2008. **SF:** José de Paggi 2004; Battauz et al. 2014

Asplanchna silvestrii Daday, 1902
José de Paggi 1990: NE
SF: José de Paggi 2004. **BA:** Chaparro et al. 2011

Genus *Asplanchnopus* de Guerne, 1888

Asplanchnopus multiceps (Schrank, 1793)
José de Paggi 1990: CR, JU
CR: José de Paggi 2004

Genus *Beauchampiella* Remane, 1929

Beauchampiella eudactylota (Gosse, 1886)
José de Paggi 1990: SE
FO: José de Paggi 2001b. **CH:** Martínez andFrutos 1986. **CR:** Paggi and José de Paggi 1990; Frutos 1996; Frutos et al. 2008. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011

Genus *Brachionus* Pallas, 1766

Brachionus ahlstromi Lindeman, 1939
José de Paggi 1990: SF

CH: Frutos 1998. **CR:** José de Paggi and Paggi 1990; José de Paggi 1996; Frutos 1996; Garrido 2002. **SF:** José de Paggi and Paggi 1998; Giri and José de Paggi 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Boltovskoy et al. 1990

Brachionus amazonicus Koste, 1983
José de Paggi 1990: SF
SF: José de Paggi 2004

Brachionus angularis Gosse, 1851
José de Paggi 1990: SA, TU, SE, LR, ME, CH, SF, BA, CO, CU
JU: Villagra de Gamundi et al. 2008. **CH:** Frutos 1998. **CA:** Locascio de Mitrovich et al. 2005. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004. **SF:** José de Paggi 1993; José de Paggi and Paggi 1998; José de Paggi 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2013; 2014. **ER:** José de Paggi 2004. **CO:** Marinone and Zagarese 1991. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Macluf et al. 1998; Modenutti 1998a; Colautti et al. 1998; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; Chaparro et al. 2011. **LP:** Echaniz et al. 2005; 2006; 2008; 2010; 2011; 2012; Echaniz and Vignatti 2010; Vignatti et al. 2012a; 2012c. **RN:** Modenutti 1998b; Reissig et al. 2006; Diéguez and Gilbert 2011.

Brachionus austrogenitus Ahlstrom, 1940
José de Paggi 1990: TU, SJ, SF, BA, NE
CR: José de Paggi 1996; 2004. **SF:** José de Paggi and Paggi 1998; José de Paggi 2004; Giri and Paggi 2006; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **ER:** José de Paggi 2004. **BA:** Boltovskoy et al. 1990; Modenutti 1998a; José de Paggi 2004

Brachionus bennini Leissling, 1924
CR: Frutos 1996. **SF:** José de Paggi 1993

Brachionus bidentatus Anderson, 1889
José de Paggi 1990: SA, CH, SF, BA, CU
CH: Frutos 1998. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Modenutti 1998a; José de Paggi 2004; Ardohain et al. 2005; Claps et al. 2009; Chaparro et al. 2011

Brachionus budapestinensis Daday, 1885
José de Paggi 1990: SF
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 2004. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Modenutti 1998a; Neschuk et al. 2002. **LP:** Echaniz and Vignatti, 2010

Brachionus calyciflorus Pallas, 1766
José de Paggi 1990: SA, SE, SJ, CR, SF, BA, SL, NE, RN, CU
FO: José de Paggi 2001b. **CH:** Frutos 1998. **TU:** Villagra de Gamundi et al. 2005. **CR:** Paggi and José de Paggi 1990; Frutos 1996; Garrido 2002; José de Paggi 2004; Frutos et al. 2006; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2013; 2014. **ER:** José de Paggi 2004. **CO:** Mancini et al. 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Colautti et al. 1998; Modenutti 1998a; Macluf et al. 1998; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Chaparro et al. 2011; Ardohain et al. 2014. **LP:** Echaniz et al. 2008; 2012; Echaniz and Vignatti, 2010. **SL:** Cabrera et al. 2013. **NE:** Modenutti 1998b. **RN:** Modenutti 1998b; Reissig et al. 2006; Diéguez and Gilbert 2011

Brachionus caudatus Barrois & Daday, 1894
José de Paggi 1990: SA, SJ, CR, SF, BA, SL, CU, SC
MI: Garrido 1999. **FO:** José de Paggi 2001b. **CH:** Martínez and Frutos 1986; Frutos 1998. **TU:** Villagra de Gamundi et al. 2005. **CR:** José de Paggi 1996; Frutos 1996; Garrido 1999; 2002; Frutos et al. 2006. **SF:** José de Paggi 1993; 1996; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2013; 2014. **ER:** José de Paggi 2002; 2004. **CO:** Mancini et al. 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Macluf et al. 1998; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; Chaparro et al. 2011. **LP:** Echaniz et al. 2008; 2012; Echaniz and Vignatti, 2010; 2011. **SL:** Cabrera et al. 2013. **ME:** Fuentes and Peralta 2005. **RN:** Modenutti 1998b; Reissig et al. 2006

Brachionus dimidiatus Bryce, 1931
José de Paggi 1990: BA, CO, SL
SF: Battauz et al. 2013. **BA:** Claps et al. 2009; Chaparro et al. 2011. **LP:** Echaniz et al. 2005; 2006; 2008; 2010; 2011; 2012; Echaniz and Vignatti 2010; 2011; Vignatti et al. 2012; 2012a. **SL:** Cabrera et al. 2013

Brachionus dolabratus Harring, 1915
José de Paggi 1990: CR, SF
CR: Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004. **ER:** Chalar et al. 2002; José de Paggi 2004. **BA:** José de Paggi 2004

Brachionus durgae Dhanapathi, 1974
SF: José de Paggi and Koste 1995

Brachionus falcatus Zacharias, 1898
José de Paggi 1990: CR, SF
MI: Garrido 1999. **FO:** José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 1999; 2002; Frutos et al. 2006. **ER:** Chalar et al. 2002; José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010; José de Paggi et al. 2012; Battauz et al. 2014. **BA:** José de Paggi 2004

Brachionus havanaensis Rousselet, 1911
José de Paggi 1990: SA, SJ, CR, SF, BA, SL, CU
TU: Villagra de Gamundi et al. 2005. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 2002; Frutos et al. 2009. **ER:** José de Paggi, 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2014. **BA:** Boltovskoy et al. 1990; Benítez and Claps 2000; Neschuk et al. 2002; Ardohain et al. 2005; Chaparro et al. 2011. **LP:** Echaniz et al. 2005; 2006; 2008; 2012

Brachionus ibericus Ciros-Pérez, Gómez & Serra, 2001
SF: José de Paggi and Devercelli 2011. **BA:** Chaparro et al. 2011. **LP:** Echaniz et al. 2005; 2010; 2012

Brachionus kultrum Paggi, 1981
José de Paggi 1990: NE, SC

Brachionus leydigii Cohn, 1862
SF: José de Paggi 2004. **BA:** Ardohain et al. 2005

Brachionus mirabilis Daday, 1897
José de Paggi 1990: CH
MI: Garrido 1999. **FO:** José de Paggi 2001b. **CR:** Garrido 1999. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010; Battauz et al. 2014. **BA:** Kuczynski 1991

Brachionus mirus Daday, 1905
José de Paggi 1990: CH, SF
CH: Frutos 1998. **CR:** Paggi and José de Paggi, 1990; José de Paggi 2004; Frutos et al. 2006. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Rojas Molina 2010

Brachionus nilsoni Ahlstrom, 1940
José de Paggi 1990: LR, SF, BA
SF: José de Paggi 2004. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Neschuk et al. 2002; Chaparro et al. 2015

Brachionus plicatilis Müller, 1786
José de Paggi 1990: SA, TU, SE, SJ, CR, SF, BA, CO, SL, NE
JU: Villagra de Gamundi et al. 2008. **FO:** José de Paggi 2001b. **TU:** Villagra de Gamundi et al. 2005. **CH:** Frutos 1998. **CA:** Locascio de Mitrovich et al. 2005. **CR:** Paggi and José de Paggi 1990; Frutos 1996; José de Paggi 2004. **SF:** José de Paggi and Paggi 1998; José de Paggi 2004; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2013. **ER:** José de Paggi 2004. **CO:** Mancini et al. 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Colautti et al. 1998; Benítez and Claps 2000; Neschuk et al. 2002; Ardohain et al. 2005; Chaparro et al. 2011. **LP:** Echaniz et al. 2005; 2006; 2008; 2010; 2011; 2012; Echaniz and Vignatti 2010; 2011; Vignatti et al. 2012b; 2012a. **SL:** Cabrera et al. 2013

Brachionus postcurvatus Kuczynski, 1991
BA: Kuczynski, 1991

Brachionus pterodinoides Rousselet, 1913
José de Paggi 1990: BA, SL
SA: Locascio de Mitrovich et al. 2005. **SF:** Battauz et al. 2013. **BA:** Boltovskoy et al. 1990; Benítez and Claps 2000; Neschuk et al. 2002. **LP:** Echaniz et al. 2005; 2006; 2008; 2010; 2011; 2012; Echaniz and Vignatti 2010; Vignatti et al. 2012a; 2012c. **RN:** Modenutti 1998b; Diéguez and Gilbert 2011

Brachionus quadridentatus Hermann, 1783
José de Paggi 1990: SA, CH, TU, SE, LR, SJ, ME, CR, SF, BA, CO, RN, CU
JU: Villagra de Gamundi et al. 2008. **MI:** Garrido 1999. **FO:** José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 1999. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; José de Paggi et al. 2008; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; Chaparro et al. 2015. **LP:** Echaniz et al. 2005; 2006; 2008; 2010; 2012; Echaniz and Vignatti 2010. **ME:** Fuentes and Peralta 2005. **RN:** Modenutti 1998b; Diéguez and Gilbert 2011

Brachionus rotundiformis Tschugunoff, 1921
SF: José de Paggi 2004; Pecorari et al. 2006. **LP:** Echaniz et al. 2005; 2006

Brachionus rubens Ehrenberg, 1838
José de Paggi 1990: JU, CO, BA
CR: José de Paggi 2004. **SF:** José de Paggi and Paggi 1998; José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Claps et al. 2009. **RN:** Diéguez and Gilbert 2011

Brachionus satanicus Rousselet, 1913
José de Paggi 1990: BA, SL, CU
BA: Neschuk et al. 2002

Brachionus sessilis Varga, 1951
José de Paggi 1990: SF
SF: José de Paggi 1993

Brachionus urceolaris Muller, 1773
José de Paggi 1990: LR, SF, BA, NE, CU
CR: Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; José de Paggi and Koste 1995; José de Paggi and Paggi 1998; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; Chaparro et al. 2015. **LP:** Echaniz and Vignatti 2010. **RN:** Modenutti 1998b

Brachionus variabilis Hempel, 1896
José de Paggi 1990: BA
SF: José de Paggi and Paggi 1998; José de Paggi 2004; Gagneten and Paggi 2009. **BA:** Claps et al. 2009

Brachionus zahniseri Ahlstrom, 1934
José de Paggi 1990: CR, SF
CR: José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004. **BA:** Chaparro et al. 2015

Genus *Cephalodella* Bory de St. Vincent, 1826

Cephalodella catellina (Müller, 1786)
José de Paggi 1990: JU, TU, SF, SL
ER: José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** this paper

Cephalodella exigua (Gosse, 1886)
BA: this work

Cephalodella forficula (Ehrenberg, 1830)
José de Paggi 1990: BA, RN
BA: Chaparro 2015

Cephalodella gibba (Ehrenberg, 1830)
José de Paggi 1990: CH, SE, SF
CH: Frutos 1998. **CR:** Garrido 2002; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi et al. 2008; Rojas Molina 2010

Cephalodella misgurnus Wulfert, 1937
José de Paggi 1990: TU

Cephalodella mucronata Myers, 1924
José de Paggi 1990: CU
CR: José de Paggi 1996. **SF:** José de Paggi 2004; Battauz et al. 2014

Cephalodella paggiae Koste & Robertson, 1983
SF: Battauz et al. 2014

Genus *Collotheca* Harring, 1913

Collotheca calva (Hudson, 1885)
José de Paggi 1990: RN

Collotheca libera (Zacharias, 1894)
José de Paggi 1990: CU

Collotheca mutabilis (Hudson, 1885)
José de Paggi 1990: RN, CU, TF
RN: Modenutti 1998b; Bastidas-Navarro and Modenutti 2007. **CU:** Rescia and Marinone 1991; Pizzolon et al. 1995.

Collotheca pelagica (Rousselet, 1893)
CO: Marinone and Zagarese 1991. **CU:** Pizzolon et al. 1995.

Genus *Colurella* Bory de St. Vincent, 1824

Colurella adriatica Ehrenberg, 1831
José de Paggi 1990: SE, SJ, ME, SL, RN, CU
SF: José de Paggi 1993; 2004; Pecorari et al. 2006; Rojas Molina 2010; José de Paggi et al. 2012. **LP:** Echaniz et al. 2005; 2006; 2010; Vignatti and Echaniz 2008; Vignatti et al. 2012

Colurella colurus (Ehrenberg, 1830)
José de Paggi 1990: LR
SF: José de Paggi 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2008; 2012. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000; Neschuk et al. 2002

Colurella denticauda Carlin, 1939
FO: José de Paggi 2001b. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004

Colurella hindenburgi Steinecke, 1917
José de Paggi 1990: RN
ME: Fuentes and Peralta 2005

Colurella oblonga Donner, 1943
CR: Frutos and Carnevali 2008

Colurella obtusa (Gosse, 1886)
José de Paggi 1990: RN, CU
FO: José de Paggi 2001b. **CR:** Frutos and Carnevali 2008. **SF:** Battauz et al. 2014. **BA:** Chaparro et al. 2015

Colurella oxycauda Carlin, 1939
José de Paggi 1990: RN

Colurella sinistra Carlin, 1939
FO: José de Paggi 2001b

Colurella tesselata (Glascott, 1893)
José de Paggi 1990: RN
FO: José de Paggi 2001b

Colurella uncinata (Müller, 1773)
José de Paggi 1990: JU, LR, BA, RN, CU, SC
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; Chaparro et al. 2015

Genus *Conochilus* Ehrenberg, 1834

Conochilus coenobasis (Skorikov, 1914)
José de Paggi 1990: SA, SE, SF, SL
FO: José de Paggi 2001b. **TU:** Villagra de Gamundi et al. 2005. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos et al. 2006; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** José de Paggi 2004

Conochilus dossuarius Hudson 1885
CO: Marinone and Zagarese 1991

Conochilus hippocrepis (Schrank, 1803)
José de Paggi 1990: CR, SF
SF: José de Paggi 2004

Conochilus natans (Seligo, 1900)
José de Paggi 1990: SF
CR: Paggi and José de Paggi 1990; José de Paggi 2004. **SF:** José de Paggi 2004

Conochilus unicornis Rousselet, 1892
José de Paggi 1990: CR, SF, NE, RN, CU, TF
CH: Martínez and Frutos 1986. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004. **ER:** Chalar et al. 2002; José de Paggi 2004. **SF:** José de Paggi 1993; Pecorari et al. 2006; Rojas Molina 2010; José de Paggi and Devercelli 2011. **CO:** Dippolito 1988; MacDonagh et al. 2009. **BA:** Boltovskoy et al. 1990; Benítez and Claps 2000; Gabellone et al. 2013b. **RN:** Modenutti 1998b; Bastidas-Navarro and Modenutti 2007. **CU:** Pizzolon et al. 1995. **TF:** Quiroga et al. 2013

Genus *Dicranophoroides* Smet 1997

Dicranophoroides caudatus (Ehrenberg, 1834)
SF: José de Paggi 2004; José de Paggi et al. 2008; José de Paggi and Devercelli 2011; Battauz et al. 2014

Dicranophoroides claviger (Hauer, 1965)
CR: José de Paggi 2004. **SF:** Rojas Molina 2010. **BA:** Claps et al. 2009

Genus *Dicranophorus* Nitzsch, 1827

Dicranophorus epicharis (Harring & Myers, 1928)
FO: José de Paggi 2001b

Dicranophorus grandis (Ehrenberg, 1832)
José de Paggi 1990: SF, RN
SF: José de Paggi 2004

Dicranophorus halbachi Koste, 1981
SF: José de Paggi and Devercelli 2011

Dicranophorus prionacis Harring & Myers, 1928
SF: José de Paggi 2004

Dicranophorus robustus Harring & Myers, 1928
FO: José de Paggi 2001b. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011

Dicranophorus tegillus Harring & Myers, 1928
FO: José de Paggi 2001b. **SF:** Rojas Molina 2010

Genus *Dipleuchlanis* de Beauchamp, 1910

Dipleuchlanis elegans (Wierzejski, 1893)
José de Paggi 1990: SF

Dipleuchlanis propatula (Gosse, 1886)
José de Paggi 1990: SE, SF
FO: José de Paggi 2001b. **CH:** Martínez and Frutos 1986. **CR:** José de Paggi 1996; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi et al. 2008. **BA:** Chaparro et al. 2015

Genus *Enteroplea* Ehrenberg, 1830

Enteroplea lacustris Ehrenberg, 1830
FO: José de Paggi 2001b

Genus *Eosphora* Ehrenberg, 1830

Eosphora ehrenbergi Weber, 1918
CR: José de Paggi 2004. **SF:** José de Paggi 2004. **BA:** this work

Eosphora najas Ehrenberg, 1830
BA: this work

Genus *Epiphanes* Ehrenberg, 1832

Epiphanes clavulata (Ehrenberg, 1832)
José de Paggi 1990: CH, SF
CR: Paggi and José de Paggi 1990; José de Paggi 1996; 2004. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Gagneten and Paggi 2009; José de Paggi y Deverceli 2011; Battauz et al. 2014. **BA:** Chaparro et al. 2011

Epiphanes macroura (Barrois & Daday, 1894)
José de Paggi 1990: SF
CR: Paggi and José de Paggi 1990; José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Battauz et al. 2014

Epiphanes senta (Müller, 1773)
CR: Garrido 2002. **BA:** Modenutti 1998a

Genus *Euchlanis* Ehrenberg, 1832

Euchlanis deflexa (Gosse, 1851)
José de Paggi 1990: SF, BA, CU, SC
SF: José de Paggi 2004

Euchlanis dilatata Ehrenberg, 1832
José de Paggi 1990: JU, SA, TU, SE, LR, SJ, ME, CR, SF, BA, CO, SL, NE, RN, CU, TF
FO: José de Paggi 2001b. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004, Garrido 2002. **ER:** José de Paggi 2004. **SF:** José de Paggi and Paggi 1998; José de Paggi 2004; Pecorari et al. 2006; José de Paggi et al. 2008; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Modenutti 1998a, Benítez and Claps 2000; Neschuk et al., 2002; José de Paggi 2004; Ardohain et al. 2014. **ME:** Fuentes and Peralta 2005. **CU:** Pizzolon et al. 1995

Euchlanis incisa Carlin, 1939
José de Paggi 1990: SF, RN, CU
FO: José de Paggi 2001a. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; José de Paggi et al. 2012

Euchlanis lyra Hudson, 1886
SF: José de Paggi 2004

Euchlanis meneta Myers, 1930
José de Paggi 1990: RN, CU
SF: José de Paggi et al. 2012; Battauz et al. 2014

Euchlanis oropha Gosse, 1887
José de Paggi 1990: BA, SJ, NE, CU, TF
SF: Paggi and Koste 1995, José de Paggi 2004. **BA:** this work

Euchlanis triquetra Ehrenberg, 1838
José de Paggi 1990: TF
SF: Battauz et al. 2014. **RN:** Modenutti 1998b

Genus *Filinia* Bory de St. Vincent, 1824

Filinia limnetica (Zacharias, 1893)
José de Paggi 1990: ME, RN, CU, SC
CR: Frutos 1996

Filinia longiseta (Ehrenberg, 1834)
José de Paggi 1990: SA, CH, TU, LR, SJ, CR, SF, BA, NE, RN, CU, TF
MI: Garrido 1999. **FO:** José de Paggi 2001b. **TU:** Villagra de Gamundi et al. 2005. **SE:** Villagra de Gamundi et al. 2005. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos and Carnevali 1998; Garrido 1999; 2002; Frutos et al. 2006. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi et al. 2012. **CO:** Dippolito 1988; Marinone and Zagarese 1991; Mancini et al. 2011. **SL:** Cabrera et al. 2013. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2014. **LP:** Echaniz et al. 2008; 2011; Vignatti and Echaniz 2008; Echaniz and Vignatti 2010. **NE:** Modenutti 1998b. **RN:** Modenutti 1998b; Diéguez and Gilbert 2011

Filinia novaezealandiae Shiel & Sanoamuang, 1993
JU: Villagra de Gamundi et al. 2008. **SF:** Battauz et al. 2014. **BA:** Chaparro et al. 2011

Filinia opoliensis (Zacharias, 1891)
José de Paggi 1990: CH, CR, SF
CR: José de Paggi and Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Frutos et al. 2006. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; Rojas Molina 2010; José de Paggi and Devercelli 2011. **CO:** Casco et al. 2002. **BA:** José de Paggi 2004; Gabellone et al. 2013b

Filinia passa (Müller, 1786)
BA: Claps et al. 2009; Chaparro 2015

Filinia pejleri Hutchinson, 1964
José de Paggi 1990: LR, SJ, CO, SL
CR: José de Paggi 1996. **SF:** José de Paggi 1993; 2004. **BA:** Chaparro et al. 2015

Filinia saltator (Gosse, 1886)
CR: Frutos 1996; José de Paggi 2004; Frutos et al. 2006; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; Pecorari et al. 2006. **BA:** José de Paggi 2004; Chaparro et al. 2011

Filinia terminalis (Plate, 1886)
José de Paggi 1990: CH, TU, SJ, SF, BA, CO, NE, RN, CU
CH: Frutos 1998. **CR:** José de Paggi 1996; 2004; Frutos 1996; Frutos et al. 2006; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010. **BA:** Boltovskoy et al. 1990; José de Paggi 2004; Chaparro et al. 2015

Genus *Gastropus* Imhof, 1898

Gastropus minor (Rousselet, 1892)
ER: José de Paggi 2004. **SF:** José de Paggi 2004

Gastropus stylifer (Imhof, 1891)
José de Paggi 1990: CR, NE, RN, CU, TF
SF: Pecorari et al. 2006. **RN:** Modenutti 1998b

Genus *Hexarthra* Schmarda, 1854

Hexarthra bulgarica (Wiszniewski, 1933)
RN: Modenutti 1993

Hexarthra fennica (Levander, 1892)
José de Paggi 1990: CA, LR, ME, BA, CO, NE, RN, CU
CH: Frutos 1998. **SF:** José de Paggi et al. 2012; Battauz et al. 2013. **CO:** MacDonagh et al. 2009. **BA:** Macluf et al. 1998; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; Ardohain et al. 2005. **LP:** Echaniz et al. 2005; 2010; 2012; Vignatti and Echaniz 2008; Vignatti et al. 2012a; 2012b; 2012c

Hexarthra intermedia (Wiszniewski, 1929)
José de Paggi 1990: TU, SE, CR, SF, TF
JU: Villagra de Gamundi et al. 2008. **FO:** José de Paggi 2001b. **CH:** Martínez and Frutos 1986; Frutos 1998. **TU:** Villagra de Gamundi et al. 2005. **SE:** Villagra de Gamundi et al. 2005. **CR:** José de Paggi and Paggi 1990; José de Paggi 1996; Frutos 1996; Frutos et al. 2006. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Gagneten and Paggi 2009; José de Paggi and Devercelli 2011; José de Paggi et al. 2012. **BA:** José de Paggi 2004; Kogan 2005. **LP:** Echaniz et al. 2012

Hexarthra mira (Hudson, 1871)
José de Paggi 1990: SE, LR, SJ
CR: José de Paggi 1996. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011; Battauz et al. 2014. **CO:** Dippolito 1988. **BA:** Boltovskoy et al. 1990

Hexarthra oxyuris (Sernov, 1903)
José de Paggi 1990: BA

Genus *Horaella* Donner, 1949

Horaella brehmi Donner, 1949
BA: this work

Horaella thomassoni Koste, 1973
José de Paggi 1990: LR, SF, BA
CR: José de Paggi 1996. **SF:** José de Paggi 2004; Battauz et al. 2014. **BA:** Modenutti 1998a

Genus *Itura* Harring & Myers, 1928

Itura aurita (Ehrenberg, 1830)
BA: this work

Itura myersi Wulfert, 1935
BA: this work

Genus *Kellicottia* Ahlstrom 1938

Kellicottia bostoniensis (Rousselet, 1908)
MI: José de Paggi 2002 **ER:** José de Paggi 2002

Kellicottia longispina (Kellicott, 1879)
José de Paggi 1990: RN
CO: Casco et al. 2002

Genus *Keratella* Bory de St. Vincent, 1822

Keratella americana Carlin, 1943
José de Paggi 1990: SE, CR, SF, SL
JU Villagra de Gamundi et al. 2008. **MI:** Garrido 1999; José de Paggi 2002. **FO:** José de Paggi 2001b. **CA:** Hammann et al. 2010. **TU:** Villagra de Gamundi et al. 2005. **SE:** Villagra de Gamundi et al. 2005. **CR:** José de Paggi and Paggi 1990b; José de Paggi 1996; 2004; Frutos 1996; Garrido 1999; 2002; Frutos et al. 2006; 2009. **ER:** José de Paggi 2002; 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi; 2004; Kogan 2005

Keratella cochlearis (Gosse, 1851)
José de Paggi 1990: SA, SL, NE, RN, CU, TF
JU: Villagra de Gamundi et al. 2008. **TU:** Villagra de Gamundi et al. 2005. **CA:** Hammann et al. 2010. **SE:** Villagra de Gamundi et al. 2005. **CH:** Frutos 1998. **MI:** Garrido 1999; José de Paggi 2002. **CR:** José de Paggi and Paggi, 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 1999; 2002; Frutos et al. 2006; 2009. **ER:** Chalar et al. 2002; José de Paggi 2002; 2004. **SF:** José de Paggi 1978; 1993; 2004; José de Paggi and Koste 1988; José de Paggi and Paggi 1998; Pecorari et al. 2006; Gagneten andPaggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **CO:** Dippolito 1988; Marinone and Zagarese 1991; Mancini et al. 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Macluf et al. 1998; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Kogan 2005. **LP:** Vignatti and Echaniz 2008; Echaniz et al. 2010; 2012. **NE:** Diéguez and Modenutti 1996. **RN:** Diéguez and Modenutti 1996; Modenutti 1998b; Reissig et al. 2006

Keratella kostei Paggi, 1981
José de Paggi 1990: CU, SC

Keratella lenzi Hauer, 1953
José de Paggi 1990: CH, TU, SE, SJ, CR, SF, BA, SL
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 2002; Frutos and Carnevali 2008. **ER:** José de Paggi 2002; 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **CO:** Casco et al. 2002. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Marinone 1995; Modenutti 1998a; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005

Keratella mexicana Kutikova & Silva-Briano, 1995
SF: Battauz et al. 2014

Keratella morenoi Modenutti, Diéguez & Segers, 1998
BA: Chaparro et al. 2011. **LP:** Vignatti et al. 2007. **RN:** Modenutti et al. 1998; Diéguez and Gilbert 2011

Keratella ona Boltovskoy & Urrejola, 1977
José de Paggi 1990: TF
TF: Quiroga et al. 2013

Keratella procurva (Thorpe, 1891)
José de Paggi 1990: SE, SF, CO, SL
SF: José de Paggi 2004. **BA:** Kuczynski 1991; Ardohain et al. 2005

Keratella quadrata (Müller, 1786)
José de Paggi 1990: SA, CR, BA, RN, CU, SC
CA: Hammann et al. 2010. **MI:** Garrido 1999. **CR:** Garrido 1999; 2002. **BA:** Macluf et al. 1998. **ME:** Fuentes and Peralta 2005

Keratella serrulata (Ehrenberg, 1838)
José de Paggi 1990: CH, SF
SF: José de Paggi 2004. **BA:** Kuczynski 1991; Macluf et al. 1998

Keratella tecta (Gosse, 1851)
José de Paggi 1990: CU; SE
MI: José de Paggi 2002. **CR:** José de Paggi 1996; 2004; Frutos et al. 2009. **ER:** José de Paggi 2004. **SF:** José de Paggi and Paggi 1998; José de Paggi 2004; Rojas Molina 2010; Battauz et al. 2014. **BA:** José de Paggi 2004. **NE:** Modenutti 1998b **RN:** Modenutti 1998b; Diéguez et al. 1998

Keratella thomassoni Hauer, 1958
José de Paggi 1990: SC
CU: Rescia and Marinone 1991; Pizzolon et al. 1995

Keratella tropica (Apstein, 1907)
José de Paggi 1990: SA, CH, TU, SE, LR, SJ, ME, SF, BA, SL, NE, RN, CU
JU: Villagra de Gamundi et al. 2008. **FO:** José de Paggi 2001b. **TU:** Villagra de Gamundi et al. 2005. **CA:** Hammann et al. 2010. **SE:** Villagra de Gamundi et al. 2005. **MI:** José de Paggi 2002. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 1999; 2002; Frutos et al. 2006. **ER:** José de Paggi 2002; 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2014. **CO:** Mancini et al. 2011. **SL:** Cabrera et al. 2013. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Modenutti 1998a; Macluf et al. 1998; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; Chaparro et al. 2015. **LP:** Echaniz et al. 2005; 2006; 2011; 2012; Vignatti and Echaniz 2008; Vignatti et al. 2012a. **RN:** Diéguez and Modenutti 1996; Modenutti 1998b; Reissig et al. 2006; Diéguez and Gilbert 2011

Keratella valdiviensis Thomasson, 1957
TF: Quiroga et al. 2013

Keratella valga (Ehrenberg, 1834)
José de Paggi 1990: SF, BA, SL
CR: Garrido 2002

Keratella yamana Boltovskoy & Urrejola, 1977
José de Paggi 1990: TF

Genus *Lecane* Nitzsch, 1827

Lecane aculeata (Jakubski, 1912)
José de Paggi 1990: SL, SJ. LR, TU, SE
FO: José de Paggi 2001b. **CR:** José de Paggi 1996; Frutos 1996. **SF:** José de Paggi 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Chaparro et al. 2011

Lecane aeganea Harring, 1914
SF: José de Paggi 2004

Lecane acanthinula (Hauer, 1938)
José de Paggi 1990: RN

Lecane amazonica (Murray, 1913)
José de Paggi 1990: SF

FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004; Rojas Molina 2010

Lecane arcuata (Bryce, 1891)
José de Paggi 1990: SF
ER: José de Paggi 2004. **SF:** José de Paggi 2004. **BA:** Modenutti and Claps 1988; Ardohain et al. 2005

Lecane arcula Harring, 1914
José de Paggi 1990: SA, CH, CR, TF
CR: Frutos 1996; Frutos and Carnevali 2008. **SF:** José de Paggi 2004; José de Paggi et al. 2012; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000; Neschuk et al. 2002

Lecane aspasia Myers, 1917
FO: José de Paggi 2001b. **CR:** José de Paggi 2004. **SF:** José de Paggi 2004; José de Paggi et al. 2008; Rojas Molina 2010

Lecane braziliensis Segers, 1993
CR: José de Paggi 1996. **SF:** José de Paggi 2004. **BA:** Claps et al. 2009

Lecane bulla (Gosse, 1851)
José de Paggi 1990: CH, TU, LR, SJ, ME, SF, BA, CO, SL, NE, RN, CU
FO: José de Paggi 2001b. **MI:** José de Paggi 2002. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **CO:** Marinone and Zagarese 1991. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Neschuk et al. 2002; José de Paggi 2004; Claps et al. 2011; Ardohain et al. 2014; Chaparro et al. 2015. **LP:** Echaniz et al. 2010; 2012. **ME:** Fuentes and Peralta 2005. **RN:** Modenutti 1998b

Lecane candida Harring & Myers, 1926
BA: Claps et al. 2009

Lecane closterocerca (Schmarda, 1856)
José de Paggi 1990: CH, TU, SE, LR, SJ, ME, SF, BA, CO, SL, NE, RN, CU
FO: José de Paggi 2001b. **CH:** Frutos 1998. **TU:** Locascio de Mitrovich et al. 2005. **SE:** Locascio de Mitrovich et al. 2005. **CR:** José de Paggi 1996; Frutos 1996; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; José de Paggi and Devercelli 2011; Battauz et al. 2014. **CO:** Marinone and Zagarese 1991. **BA:** Modenutti and Claps 1988; Modenutti 1998; Neschuk et al. 2002; José de Paggi, 2004; Claps et al. 2011; Ardohain et al. 2014; Chaparro et al. 2015. **ME:** Peralta and Claps 2002

Lecane copeis (Harring & Myers, 1926)
SF: José de Paggi et al. 2012

Lecane cornuta (Müller, 1786)
José de Paggi 1990: CH, SF, CO, BA, TF.
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** José de Paggi 1996; 2004; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Chaparro et al. 2015

Lecane crenata (Harring, 1913)
José de Paggi 1990: CO
SF: Rojas Molina 2010

Lecane crepida Harring, 1914
José de Paggi 1990: SE
CR: José de Paggi 1996. **SF:** José de Paggi 2004. **BA:** Claps et al. 2009

Lecane curvicornis (Murray, 1913)
José de Paggi 1990: CH, SE, SF
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi and 1990; José de Paggi 1996; 2004; Frutos 1996; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Benítez and Claps 2000; José de Paggi 2004; Chaparro et al. 2015

Lecane decipiens (Murray 1913)
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** José de Paggi 1996. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; José de Paggi 2004; Claps et al. 2009

Lecane doryssa Harring, 1914
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 1993; 2004

Lecane elegans Harring, 1914
José de Paggi 1990: CH
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 1993; 2004

Lecane elsa Hauer, 1931
José de Paggi 1990: CH, SE, CR, SF
CH: Frutos 1998. **CR:** José de Paggi 1996; 2004; Frutos 1996. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Chaparro et al. 2015

Lecane eutarsa Harring & Myers, 1926
SF: José de Paggi and Koste 1995; José de Paggi 2004; José de Paggi et al. 2008; Rojas Molina 2010

Lecane flexilis (Gosse, 1886)
José de Paggi 1990: CA, CO, SL, RN, CU
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 1993; 2004; José de Paggi and Devercelli 2011. **CO:** Marinone and Zagarese 1991. **BA:** Chaparro et al. 2015

Lecane furcata (Murray, 1913)
José de Paggi 1990: SE, CR, SL, SF, BA, CU, TF
CR: José de Paggi 1996. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2014. **BA:** Chaparro et al. 2015

Lecane grandis (Murray, 1913)
José de Paggi 1990: CH
CH: José de Paggi 2004. **SF:** José de Paggi 2004

Lecane gwileti (Tarnogradsky, 1930)
CH: Frutos 1998

Lecane haliclysta Harring & Myers, 1926
José de Paggi 1990: CH
FO: José de Paggi 2001b. **CH:** Frutos 1998; José de Paggi 2004. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004**;** Rojas Molina 2010. **BA:** Chaparro et al. 2015

Lecane hamata (Stokes, 1896)
José de Paggi 1990: CH, TU, SE, SJ, SF, BA, SL, RN, TF
FO: José de Paggi 2001b. **CH:** Martínez and Frutos 1986. **CR:** José de Paggi 1996; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; Chaparro et al. 2011. **LP:** Vignatti et al. 2008. **ME:** Peralta and Claps 2002

Lecane hastata (Murray, 1913)
José de Paggi 1990: SF

CR: José de Paggi 1996; José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Gagneten and Paggi 2009; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; Ardohain et al. 2005

Lecane hornemanni (Ehrenberg, 1834)
José de Paggi 1990: RN
CR: José de Paggi 1996. **SF:** José de Paggi 2004. **BA:** José de Paggi 2004; Claps et al. 2009; 2011. **ME:** Fuentes and Peralta 2005

Lecane inermis (Bryce, 1892)
SF: Battauz et al. 2014. **BA:** Chaparro et al. 2011

Lecane inopinata Harring and Myers, 1926
FO: José de Paggi 2001b. **SF:** José de Paggi 2004; Battauz et al. 2014. **BA:** Claps et al. 2009

Lecane leontina (Turner, 1892)
José de Paggi 1990: CH, TU, SE, LR, SJ, SF, BA, RN
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; José de Paggi 2004; Claps et al. 2009; Chaparro et al. 2015

Lecane levistyla (Olofsson, 1917)
José de Paggi 1990: RN

Lecane ludwigii (Eckstein, 1883)
José de Paggi 1990: CH, TU, SE, SF
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** José de Paggi 1996; Frutos 1996; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; José de Paggi et al. 2008; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Benítez and Claps 2000; José de Paggi 2004; Chaparro et al. 2015

Lecane luna (Müller, 1776)
José de Paggi 1990: JU, SA, TU, LR, SJ, ME, CR, SF, BA, CO, SL, RN, CU, SC
JU: Villagra de Gamundi et al. 2008. **CR:** José de Paggi 1996; 2004. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010; José de Paggi et al. 2012; Battauz et al. 2013. **BA:** Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2014; Chaparro et al. 2015. **RN:** Modenutti 1998b

Lecane lunaris (Ehrenberg, 1832)
José de Paggi 1990: CH, TU, CR, SF, BA, CO, SL, NE, RN, CU, TF
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; Chaparro et al. 2015. **LP:** Vignatti et al. 2008; Echaniz and Vignatti 2010; Echaniz et al. 2010; 2012. **ME:** Peralta and Claps 2002. **RN:** Modenutti 1998b

Lecane marchantaria Koste and Robertson, 1983
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Lecane marshi Harring, 1914
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Lecane mira (Murray, 1913)
SF: Rojas molina 2010

Lecane myersi Segers, 1993
BA: Chaparro et al. 2015

Lecane monostyla (Daday, 1897)
José de Paggi 1990: CH, SE, SF
CH: Frutos 1998. **CR:** José de Paggi 1996. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010. **BA:** José de Paggi 2004; Chaparro et al. 2015

Lecane nana (Murray, 1913)
José de Paggi 1990: SE, CO, SL, RN
CR: José de Paggi 1996. **SF:** José de Paggi 1993; 2004; Battauz et al. 2014. **BA:** Neschuk et al. 2002; Ardohain et al. 2005; Claps et al. 2011; Chaparro et al. 2015

Lecane obtusa (Murray, 1913)
José de Paggi 1990: TU, SE, LR
CR: José de Paggi 1996. **SF:** José de Paggi 2004. **CO:** Marinone and Zagarese 1991. **BA:** this paper

Lecane ohioensis (Herrick, 1885)
José de Paggi 1990: CH, SF
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; Rojas Molina 2010. **BA:** Modenutti and Claps 1988

Lecane papuana (Murray, 1913)
José de Paggi 1990: CH, TU, SE, CA, SF, CO
CH: Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Frutos and Carnevalli 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Neschuk et al. 2002; José de Paggi 2004; Chaparro et al. 2015

Lecane perplexa (Ahlstrom, 1938)
José de Paggi 1990: SF, RN
CR: Paggi and José de Paggi 1990

Lecane proiecta Hauer, 1956
José de Paggi 1990: SF
FO: José de Paggi 2001b. **CR:** José de Paggi 1996; Frutos et al. 2006. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; Pecorari et al. 2006; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; José de Paggi 2004

Lecane punctata (Murray, 1913)
José de Paggi 1990: SE, SJ, CO, SL

Lecane pusilla Harring, 1914
FO: José de Paggi 2001b

Lecane pyriformis (Daday, 1905)
José de Paggi 1990: TU, LR, SJ, SF, BA, CO, SL, RN, CU
FO: José de Paggi 2001b. **CR:** José de Paggi 1996; 2004. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2014; Chaparro et al. 2015

Lecane quadridentata (Ehrenberg, 1832)
José de Paggi 1990: CH, TU, SE, CA, LR, SJ, SF, BA, CO, RN
FO: José de Paggi 2001b. **CH:** Martínez and Frutos 1986. **CR:** José de Paggi 1996; 2004; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000; José de Paggi 2004 **LP:** Echaniz and Vignatti 2010

Lecane rhenana Hauer, 1929
José de Paggi 1990: SF
SF: José de Paggi 2004. **BA:** Benítez and Claps 2000

Lecane rhopalura (Harring & Myers, 1926)
SF: José de Paggi et al. 2012

Lecane rhytida Harring & Myers, 1926
José de Paggi 1990: CH

CR: José de Paggi 1996; Frutos 1998. **SF:** José de Paggi 2004. **BA:** Chaparro et al. 2015

Lecane roberstsonae Segers, 1993
FO: José de Paggi 2001b. **SF:** José de Paggi 2004

Lecane subulata (Harring & Myers, 1926)
BA: this work

Lecane scutata (Harring & Myers, 1926)
José de Paggi 1990: SF
CR: José de Paggi 1996; 2004. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Chaparro et al. 2015

Lecane signifera (Jennings, 1896)
José de Paggi 1990: CH, SF
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Claps et al. 2009; 2011

Lecane stenroosi (Meissner, 1908)
José de Paggi 1990: TU, LR, SF, BA, SL
CR: José de Paggi 1996. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012. **RN:** Modenutti 1998b

Lecane stichaea Harring, 1913
José de Paggi 1990: CH
FO: José de Paggi 2001b. **CR:** José de Paggi 1996; Frutos and Carnevali 2008. **SF:** José de Paggi 2004; Rojas Molina 2010

Lecane styrax (Harring & Myers, 1926)
José de Paggi 1990: SF, RN, CU

Lecane subtilis Harring and Myers, 1926
FO: José de Paggi 2001b. **BA:** Chaparro et al. 2015

Lecane tenuiseta Harring, 1914
José de Paggi 1990: CH, SE
CR: José de Paggi 1996. **SF:** José de Paggi 1993; José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Chaparro et al. 2015

Lecane thalera (Harring & Myers, 1926)
José de Paggi 1990: SE, LR, SJ, ME, CO
LP: Echaniz et al. 2005; 2006

Lecane unguitata (Fadeev, 1925)
SF: Rojas Molina 2010

Lecane ungulata (Gosse, 1887)
José de Paggi 1990: CH, SE, SF
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004

Genus *Lepadella* Bory de St. Vincent, 1826

Lepadella astacicola Hauer, 1926
José de Paggi 1990: TF

Lepadella acuminata (Ehrenberg, 1834)
José de Paggi 1990: BA, NE, RN, CU
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi et al. 2008; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Benítez and Claps 2000; Neschuk et al. 2002; Chaparro et al. 2011. **LP:** Echaniz et al. 2012

Lepadella amphitropis Harring, 1916
José de Paggi 1990: RN

Lepadella benjamini Harring, 1916
FO: José de Paggi 2001b. **CR:** José de Paggi 2004. **SF:** José de Paggi 2004

Lepadella bicornis Vasisht & Battish, 1971
FO: José de Paggi 2001b

Lepadella bidentata Voronkov, 1913
SF: Rojas Molina 2010

Lepadella biloba Hauer, 1958
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004

Lepadella costata Wulfert, 1940
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Lepadella cristata (Rousselet, 1893)
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Lepadella degreefi De Smet, 1989
FO: José de Paggi 2001b

Lepadella donneri Koste, 1972
CR: José de Paggi 1996. **SF:** José de Paggi 2004; Battauz et al. 2014

Lepadella ehrenbergii (Perty, 1850)
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Lepadella elliptica Wulfert, 1939
José de Paggi 1990: CH, SF
CH: Frutos 1998. **CR:** José de Paggi 1996; Frutos 1996. **SF:** José de Paggi 2004

Lepadella elongata Koste, 1972
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004; Battauz et al. 2014

Lepadella heterodactyla Fadeew, 1925
SF: José de Paggi et al. 2008

Lepadella imbricata Harring, 1914
BA: Chaparro et al. 2015

Lepadella latusinus (Hilgendorf, 1899)
José de Paggi 1990: SF
FO: José de Paggi 2001b. **SF:** José de Paggi 1993; 2004; José de Paggi and Devercelli 2011; José de Paggi et al. 2012

Lepadella lindaui Koste, 1981
BA: this work

Lepadella mataca José de Paggi, 2001
FO: José de Paggi 2001a. **SF:** José de Paggi 2004; Battauz et al. 2014

Lepadella ovalis (Müller, 1786)
José de Paggi 1990: SA, CH, TU, LR, SJ, CO, SF, BA, CO, SL, RN, CU, SC
FO: José de Paggi 2001b. **CH:** Frutos 1998. **MI:** José de Paggi 2002. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Garrido 2002. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; José de Paggi et al. 2008; Rojas Molina 2010. **CO:** Marinone and Zagarese 1991. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; Ardohain et al. 2014; Chaparro et al. 2015. **ME:** Fuentes and Peralta 2005. **RN:** Modenutti 1998b

Lepadella patella (Müller, 1773)
José de Paggi 1990: TU, SE, SJ, ME, SF, BA, CO, SL, NE, RN, CU, TF
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Neschuk et al. 2002; Chaparro et al. 2011. **LP:** Echaniz et al. 2005; 2006; 2010; Vignatti et al. 2008; 2012

Lepadella quadricarinata (Stenroos, 1898)
SF: José de Paggi and Devercelli 2011

Lepadella quinquecostata (Lucks, 1912)
José de Paggi 1990: CH, CU
FO: José de Paggi 2001b

Lepadella rhomboides (Gosse, 1886)
José de Paggi 1990: BA, RN
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; Battauz et al. 2014

Lepadella rottenburgi (Lucks, 1912)
FO: José de Paggi 2001b. **SF:** José de Paggi 2004

Lepadella triba Myers, 1934
FO: José de Paggi 2001b

Lepadella tricostata Koste, 1990
FO: José de Paggi 2001b

Lepadella triptera (Ehrenberg, 1832)
José de Paggi 1990: NE, RN, CU, TF
BA: Chaparro et al. 2015

Genus *Limnias* Schrank, 1803

Limnias ceratophylli Schrank, 1803
BA: Benítez and Claps 2000

Genus *Lophocharis* Ehrenberg, 1838

Lophocharis naias Wulfert, 1942
José de Paggi, 1990: TF

Lophocharis salpina (Ehrenberg, 1834)
José de Paggi 1990: TU, SE, SJ, SF, SL
FO: José de Paggi 2001b. **CR:** José de Paggi 1996; 2004. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; Pecorari et al. 2006; José de Paggi and Devercelli 2011; José de Paggi et al. 2012. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002. **RN:** Modenutti 1998b

Genus *Macrochaetus* Perty, 1850

Macrochaetus collinsii (Gosse, 1867)
FO: José de Paggi 2001b

Macrochaetus longipes Myers, 1934
José de Paggi 1990: SF
CR: José de Paggi 1996; 2004. **SF:** José de Paggi 2004

Macrochaetus sericus (Thorpe, 1893)
José de Paggi 1990: CR, SF
CH: Frutos 1998. **CR:** José de Paggi 1996; 2004. **SF:** José de Paggi 2004

Macrochaetus subquadratus (Perty, 1850)
José de Paggi 1990: RN
SF: José de Paggi 2004. **ME:** Fuentes and Peralta 2005

Genus *Monommata* Bartsch, 1870

Monommata longiseta (Müller, 1786)
José de Paggi 1990: RN
CR: José de Paggi 1996; 2004. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012

Monommata maculata Harring and Myers, 1930
FO: José de Paggi 2001b

Genus *Mytilina* Bory de St. Vincent, 1826

Mytilina acanthophora Hauer, 1938
FO: José de Paggi 2001b. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004

Mytilina bisulcata (Lucks, 1912)
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011; Battauz et al. 2014

Mytilina crassipes (Lucks, 1912)
CR: Frutos and Carnevali 2008

Mytilina lobata Pourriot, 1996
FO: José de Paggi 2001b. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004

Mytilina macrocera (Jennings, 1894)
FO: José de Paggi 2001b

Mytilina michelangellii Reid & Turner, 1988
FO: José de Paggi 2001b

Mytilina mucronata (Müller, 1773)
José de Paggi 1990: TU, BA, CU, SC
CR: José de Paggi 1996. **SF:** José de Paggi 2004; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi et al. 2012. **BA:** Benítez and Claps 2000; Neschuk et al. 2002

Mytilina unguipes (Lucks, 1912)
José de Paggi 1990: SF
FO: José de Paggi 2001b. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006. **BA:** Chaparro et al. 2015

Mytilina ventralis (Ehrenberg, 1830)
José de Paggi 1990: CH, TU, SE, SJ, CR, SF, BA, CO, NE, RN
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Chaparro et al. 2011. **NE:** Modenutti 1998b. **RN:** Modenutti 1998b

Genus *Notholca* Gosse, 1886

Notholca acuminata (Ehrenberg, 1832)
José de Paggi 1990: LR, SF, BA, RN, SC
SF: José de Paggi 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Macluf et al. 1998; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002. **LP:** Vignatti et al. 2008. **ME:** Fuentes and Peralta 2005. **RN:** Reissig et al. 2006. **TF:** Battistoni 1992

Notholca caudata Carlin, 1943
José de Paggi 1990: RN

Notholca foliacea (Ehrenberg, 1838)
José de Paggi 1990: RN

Notholca guidoi Battistoni, 1992
NE: Battistoni 1992. **CU:** Battistoni 1992

Notholca haueri Thomasson, 1963
José de Paggi 1990: NE, RN, CU

Notholca labis Gosse, 1887
José de Paggi 1990: CU, TF
NE: Battistoni 1992. **SC:** Battistoni 1992

Notholca squamula (Müller, 1786)
José de Paggi 1990: CU

SF: José de Paggi 2004. **BA:** Modenutti and Claps 1988; Macluf et al. 1998; Modenutti 1998a; Neschuk et al. 2002; Ardohain et al. 2005. **CU:** Battistoni 1992

Notholca striata (Müller, 1786)
José de Paggi 1990: BA
ME: Fuentes and Peralta 2005

Notholca walterkostei José de Paggi, 1982
SA: Locascio de Mitrovich et al. 2005. **CA:** Locascio de Mitrovich et al. 2005. **TF:** Battistoni 1992

Genus *Notommata* Ehrenberg, 1830

Notommata copeus Ehrenberg, 1834
José de Paggi 1990: RN
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004

Notommata glyphura Wulfert, 1935
BA: this work

Notommata pachyura (Gosse, 1886)
FO: José de Paggi 2001b

Genus *Paradicranophorus* Wiszniewski, 1929

Paradicranophorus hudsoni (Glascott, 1893)
BA: this work

Genus *Plationus* Segers, Murugan & Dumont, 1993

Plationus patulus (Müller, 1786)
José de Paggi 1990: CH, TU, SE, CR, SF, BA, CU
JU: Villagra de Gamundi et al. 2008. **TU:** Villagra de Gamundi et al. 2005. **SE:** Villagra de Gamundi et al. 2005. **MI:** Garrido 1999. **FO:** José de Paggi 2001b. **CH:** Frutos 1998; Garrido 1999; 2002. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Ardohain et al. 2005; Chaparro et al. 2015

Genus *Platyias* Harring, 1913

Platyias leloupi Gillard, 1967
José de Paggi 1990: CH
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004

Platyias quadricornis (Ehrenberg, 1832)
José de Paggi 1990: CH, TU, SE, CR, SF, BA, RN, CU
JU: Villagra de Gamundi et al. 2008. **MI:** Garrido 1999. **FO:** José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 1999; 2002. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **CO:** Dippolito 1988. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Kuczynski 1991; Modenutti 1998a; Macluf et al. 1998; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Chaparro et al. 2011. **LP:** Echaniz and Vignatti 2010

Genus *Pleurotrocha* Ehrenberg, 1830

Pleurotrocha sigmoidea Skorikov, 1896
BA: Neschuk et al. 2002

Genus *Ploesoma* Herrick, 1885

Ploesoma africanum Wulfert, 1965
CR: José de Paggi 1996 **SF:** José de Paggi 2004

Ploesoma lenticulare Herrick, 1885
José de Paggi 1990: ER
SF: José de Paggi 2004

Ploesoma truncatum (Levander, 1894)
José de Paggi 1990: CH, SF, NE, RN, CU
MI: Garrido 1999. **CR:** Paggi and José de Paggi 1990; Garrido 1999; 2002. **ER:** José de Paggi; 2002; 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; Rojas Molina 2010; José de Paggi and Devercelli 2011. **NE:** Diéguez and Modenutti 1996. **RN:** Modenutti 1998b. **TF:** Quiroga et al. 2013

Genus *Polyarthra* Ehrenberg, 1834

Polyarthra dolichoptera Idelson, 1925
José de Paggi 1990: TU, SE, LR, CO, NE, RN, CU
CR: Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Garrido 2002; Frutos et al. 2009. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998. **LP:** Echaniz et al. 2010; 2012; Vignatti et al. 2012. **TF:** Quiroga et al. 2013

Polyarthra major Burckhardt, 1900
SF: José de Paggi 2004 **BA:** José de Paggi 2004

Polyarthra platensis José de Paggi & Paggi, 2011
SF: José de Paggi and Paggi 2011; Battauz et al. 2014

Polyarthra remata Skorikov, 1896
FO: José de Paggi 2001b. **CH:** Frutos 1998. **ER:** José de Paggi and Paggi, 2011. **SF:** José de Paggi 2004. **BA:** Chaparro et al. 2011

Polyarthra vulgaris Carlin, 1943
José de Paggi 1990: SA, CH, TU, SE, LR, SJ, ME, CR, SF, BA, CO, SL, NE, RN, CU, TF
JU: Villagra de Gamundi et al. 2008. **TU:** Villagra de Gamundi et al. 2005. **SE:** Villagra de Gamundi et al. 2005. **MI:** Garrido 1999. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Garrido 1999; 2002. **ER:** José de Paggi 2002; 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; Gagneten and Paggi 2009; José de Paggi et al. 2012. **CO:** Dippolito 1988; Marinone and Zagarese 1991; MacDonagh et al. 2009. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José dePaggi 2004; Kogan 2005; Ardohain et al. 2014. **LP:** Vignatti et al. 2008. **NE:** Modenutti 1998b. **RN:** Modenutti 1998b; Reissig et al. 2006. **CU:** Rescia and Marinone, 1991; Pizzolon et al. 1995.

Genus *Pompholyx* Gosse, 1951

Pompholyx complanata Gosse, 1851
José de Paggi 1990: CH, TU, SE, SF, BA, SL, CU
TU: Villagra de Gamundi et al. 2005. **SE:** Villagra de Gamundi et al. 2005. **CR:** José de Paggi 1996; 2004; Frutos 1996; Garrido 2002; Frutos et al. 2009. **ER:** José de Paggi 2002; 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998; José de Paggi et al. 2012. **BA:** José de Paggi 2004. **LP:** Echaniz et al. 2012

Pompholyx sulcata Hudson, 1885
José de Paggi 1990: SF, NE, RN, CU, TF
FO: José de Paggi 2001b. **CO:** Dippolito 1988; Marinone and Zagarese 1991; Casco et al. 2002. **CR:** José de Paggi 2004. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2005; 2014. **LP:** Vignatti et al. 2008. **NE:** Modenutti 1998b. **RN:** Modenutti 1998b; Reissig et al. 2006

Pompholyx triloba Pejler, 1957
BA: Chaparro et al. 2011

Genus *Proales* Gosse, 1886

Proales decipiens (Ehrenberg, 1832)
BA: this work

Genus *Proalides* Beauchamp, 1907

Proalides tentaculatus Beauchamp, 1907
BA: this work

Genus *Ptygura* Ehrenberg, 1832

Ptygura kostei José de Paggi, 1996
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Ptygura libera Myers, 1934
José de Paggi 1990: CH, CR
CR: José de Paggi 1996; Frutos 1996. **SF:** José de Paggi 2004

Genus *Scaridium* Ehrenberg, 1830

Scaridium bostjani Daems & Dumont, 1974
FO: José de Paggi 2001b. **SF:** José de Paggi 2004

Scaridium elegans Segers & De Meester, 1994
SF: José de Paggi 2004

Scaridium longicaudum (Müller, 1786)
José de Paggi 1990: CH, SF, RN
CH: Frutos 1998. **CR:** José de Paggi 1996; Frutos and Carnevali 2008. **SF:** José de Paggi 1993; 2004; Rojas Molina 2010

Genus *Sinantherina* Bory de St. Vincent, 1826

Sinantherina ariprepes Edmonson, 1939
José de Paggi 1990: SF

Sinantherina procera (Thorpe, 1893)
SF: José de Paggi 2004

Sinantherina semibullata (Thorpe, 1889)
ER: Chalar et al. 2002. **BA:** Chaparro et al. 2015

Sinantherina spinosa (Thorpe, 1893)
José de Paggi 1990: SF
SF: José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Chaparro et al. 2015

Genus *Squatinella* Bory de St. Vincent, 1826

Squatinella bifurca (Bolton, 1884)
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Squatinella lamellaris (Müller, 1786)
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004. **BA:** Chaparro et al. 2015

Squatinella leydigi (Zacharias, 1886)
CR: José de Paggi 1996 **SF:** José de Paggi 2004

Squatinella rostrum (Schmarda, 1846)
José de Paggi 1990: CU

Genus *Synchaeta* Ehrenberg, 1832

Synchaeta bicornis Smith, 1904
BA: Kogan 2005

Synchaeta cecilia Rousselet, 1902
BA: Kogan 2005

Synchaeta longipes Gosse, 1887
José de Paggi 1990: SE
SF: José de Paggi 2004; Kogan 2005

Synchaeta oblonga Ehrenberg, 1832
José de Paggi 1990: RN, CU
ER: José de Paggi 2004. **SF:** José de Paggi 2004; Pecorari et al. 2006. **BA:** Chaparro et al. 2011. **CU:** Rescia and Marinone, 1991

Synchaeta pectinata Ehrenberg, 1832
José de Paggi 1990: RN, CU, TF
CR: Frutos et al. 2006. **BA:** Claps et al. 2009; Chaparro et al. 2011. **LP:** Vignatti et al. 2008. **CU:** Pizzolon et al. 1995. **TF:** Quiroga et al. 2013

Synchaeta stylata Wierzejski, 1893
José de Paggi 1990: CU
CR: José de Paggi 2004. **SF:** José de Paggi 1993; 2004; José de Paggi and Paggi 1998. **RN:** Modenutti 1998b

Synchaeta tremula (Müller, 1786)
José de Paggi 1990: SJ, CO, SE

Synchaeta triophtalma Lauterborn, 1894
BA: Kogan 2005

Genus *Taphrocampa* Gosse, 1851

Taphrocampa annulosa Gosse, 1851
CH: Frutos 1998

Taphrocampa selenura Gosse, 1887
SF: José de Paggi 1990

Genus *Testudinella* Harring, 1913

Testudinella ahlstromi Hauer, 1956
José de Paggi 1990: SF
CR: José de Paggi 1996. **SF:** José de Paggi 1993; 2004

Testudinella brevicaudata Yamamoto, 1951
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Testudinella brycei Hauer, 1938
José de Paggi 1990: SF
SF: José de Paggi 2004

Testudinella caeca (Parsons, 1892)
José de Paggi 1990: RN

Testudinella emarginula (Stenroos, 1898)
FO: José de Paggi 2001b. **SF:** José de Paggi 2004. **TF:** Quiroga et al. 2013

Testudinella greeni Koste, 1981
José de Paggi 1990: SF
SF: José de Paggi 2004

Testudinella haueriensis Gillard, 1967
José de Paggi 1990: CH, SF

Testudinella incisa (Ternetz, 1892)
CR: José de Paggi 1996. **SF:** José de Paggi 2004

Testudinella mucronata (Gosse, 1886)
José de Paggi 1990: CR
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** José de Paggi 1996; Frutos 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; Rojas Molina 2010. **BA:** Modenutti and Claps 1988

Testudinella ohlei Koste, 1972
CH: Frutos 1998. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004

Testudinella parva (Ternetz, 1892)
CR: José de Paggi 1996 **SF:** José de Paggi 2004

Testudinella patina (Hermann, 1783)
José de Paggi 1990: TU, SE, LR**, SF, RN, CU
JU: Villagra de Gamundi et al. 2008. **FO:** José de Paggi 2001b.

CH: Frutos 1998. **CR:** Martínez and Frutos 1986; Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1996; Frutos and Carnevali 2008. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Boltovskoy et al. 1990; Modenutti 1998a; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Chaparro et al. 2011; Ardohain et al. 2014. **LP:** Echaniz et al. 2005; 2006; Vignatti et al. 2008; Echaniz and Vignatti 2010. **SL:** Cabrera et al. 2013. **RN:** Modenutti 1998b

Testudinella reflexa (Gosse, 1887)
José de Paggi 1990: SF
SF: José de Paggi 2004

Testudinella robertsonae Koste, 1990
FO: José de Paggi 2001b

Testudinella tridentata Smirnov, 1931
José de Paggi 1990: SF
CH: Martínez and Frutos 1986. **CR:** José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004

Genus *Trichocerca* Lamarck, 1801

Trichocerca abilioi Segers & Sarma, 1993
FO: José de Paggi 2001b. **SF:** José de Paggi 2004

Trichocerca bicristata (Gosse, 1887)
José de Paggi 1990: CH, SL
FO: José de Paggi 2001b. **CR:** Frutos 1996; José de Paggi 1996; 2004; Frutos 1998. **ER:** José de Paggi 2004. **SF:** José de Paggi and Koste 1988; José de Paggi 2004; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; Battauz et al. 2014. **BA:** Chaparro et al. 2011

Trichocerca bidens (Lucks, 1912)
BA: Macluf et al. 1998

Trichocerca brachyura (Gosse, 1851)
José de Paggi 1990: TU, SF, RN
CR: José de Paggi 1996. **SF:** José de Paggi1993; 2004

Trichocerca braziliensis (Murray, 1913)
José de Paggi 1990: TU, SE, SF
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004; José de Paggi et al. 2012. **BA:** Chaparro et al. 2015

Trichocerca capucina (Wierzejski & Zacharias, 1893)
MI: Garrido 1999; 2002. **CR:** Garrido 1999. **ER:** José de Paggi 2002. **SF:** José de Paggi y Paggi 1998; José de Paggi 2004

Trichocerca cavia (Gosse, 1886)
José de Paggi 1990: RN

Trichocerca chattoni (de Beauchamp, 1907)
José de Paggi 1990: CH, CA, SF, RN
FO: José de Paggi 2001b. **CR:** Frutos 1996. **SF:** José de Paggi 2004; Rojas Molina 2010

Trichocerca collaris (Rousselet, 1896)
José de Paggi 1990: CR

Trichocerca cylindrica (Imhof, 1891)
José de Paggi 1990: CH, CR, RN
TU: Villagra de Gamundi et al. 2005. **CR:** José de Paggi 1996. **SF:** José de Paggi 1993; 2004. **BA:** Benítez and Claps 2000; Neschuk et al. 2002; Claps et al. 2009; Ardohain et al. 2014

Trichocerca dixonnuttalli (Jennings, 1903)
SF: José de Paggi 2004. **BA:** Chaparro et al. 2011

Trichocerca elongata (Gosse, 1886)
José de Paggi 1990: CO, SF, BA, CU, SC
CH: Frutos 1998. **CR:** José de Paggi 1996; 2004; Frutos 1996. **SF:** José de Paggi 2004; José de Paggi et al. 2012. **BA:** Benítez and Claps 2000

Trichocerca hollaerti De Smet, 1990
CR: José de Paggi 1996 **SF:** José de Paggi 2004

Trichocerca iernis (Gosse, 1887)
José de Paggi 1990: CH, SF
SF: José de Paggi 2004; José de Paggi et al. 2008. **BA:** Chaparro et al. 2015. **ME:** Fuentes and Peralta 2005

Trichocerca insignis (Herrick, 1885)
José de Paggi 1990: CR, RN
CR: Frutos 1996. **SF:** José de Paggi 1996; 2004; José de Paggi et al. 2012

Trichocerca insulana (Hauer, 1937)
FO: José de Paggi 2001b

Trichocerca intermedia (Stenroos, 1898)
FO: José de Paggi 2001b

Trichocerca longiseta (Schrank, 1802)
José de Paggi 1990: SA, CH, SF, RN, CU, SC, TF
FO: José de Paggi 2001b. **CR:** Frutos 1996; José de Paggi 1996. **SF:** José de Paggi 2004. **RN:** Modenutti 1998b

Trichocerca lophoessa (Gosse, 1886)
RN: Bastidas-Navarro and Modenutti 2007

Trichocerca obtusidens (Olofsson, 1918)
BA: this work

Trichocerca porcellus (Gosse, 1851)
José de Paggi 1990: SF, RN, CU
CR: José de Paggi 1996; 2004. **SF:** José de Paggi 2004; José de Paggi et al. 2008. **RN:** Modenutti 1998b

Trichocerca pusilla (Jennings, 1903)
José de Paggi 1990: NE
FO: José de Paggi 2001b. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000; Neschuk et al. 2002; Ardohain et al. 2014

Trichocerca pygocera (Wiszniewski, 1932)
LP: Vignatti and Echaniz 2008

Trichocerca rattus (Müller, 1776)
José de Paggi 1990: CH, TU, SE, SF, BA, RN
MI: Garrido 1999; 2002. **CR:** Paggi and José de Paggi 1990; José de Paggi 1996; 2004; Frutos 1998; Garrido 1999. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; José de Paggi and Devercelli 2011. **ER:** José de Paggi 2004. **BA:** Modenutti and Claps 1988; Modenutti 1998a; Neschuk et al. 2002; José de Paggi 2004; Chaparro et al. 2011. **RN:** Modenutti 1998b

Trichocerca ruttneri Donner, 1953
José de Paggi 1990: CU
SF: José de Paggi 2004 **BA:** this work. **RN:** Modenutti 1998b

Trichocerca scipio (Gosse, 1886)
SF: José de Paggi 2004

Trichocerca similis (Wierzejski, 1893)
José de Paggi 1990: CH, TU, SE, SJ, CR, CO, SL, NE, RN, CU, TF
FO: José de Paggi 2001b. **CH:** Frutos 1998. **CR:** Paggi and José de Paggi 1990; Frutos 1996; José de Paggi 1996; 2004; Frutos and Carnevalli 2008. **ER:** José de Paggi 2002. **SF:** José de Paggi 1993; 2004; Pecorari et al. 2006; José de Paggi et al. 2008; 2012; José de

Paggi and Devercelli 2011; Battauz et al. 2014. **CO:** Dippolito 1988; Marinone and Zagarese 1991. **BA:** Boltovskoy et al. 1990; Claps et al. 2009; Chaparro et al. 2015. **RN:** Modenutti 1998b

Trichocerca stylata (Gosse, 1851)
José de Paggi 1990: CR, SF, BA, NE, RN, CU, TF
CR: José de Paggi 1996. **SF:** José de Paggi 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Boltovskoy et al. 1990; Benítez and Claps 2000; Neschuk et al. 2002; José de Paggi 2004; Ardohain et al. 2014

Trichocerca sulcata (Jennings, 1894)
José de Paggi 1990: RN
Trichocerca tenuior (Gosse, 1886)
BA: this work

Trichocerca tigris (Müller, 1786)
José de Paggi 1990: RN, CU, TF
FO: José de Paggi 2001b. **CH:** Martínez and Frutos 1986. **CR:** José de Paggi 1996. **SF:** José de Paggi 2004; Rojas Molina 2010; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000; Neschuk et al. 2002

Trichocerca vernalis (Hauer, 1936)
CR: José de Paggi 1996. **SF:** José de Paggi 2004. **BA:** Chaparro et al. 2015

Trichocerca voluta (Murray, 1913)
SF: José de Paggi 2004
Trichocerca weberi (Jennings, 1903)
José de Paggi 1990: SF, RN
SF: José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988

Genus *Trichotria* Bory de St. Vincent, 1827

Trichotria pocillum (Müller, 1776)
José de Paggi 1990: NE, RN, CU, TF
BA: Modenutti and Claps 1988; Modenutti 1998a; Benítez and Claps 2000

Trichotria tetractis (Ehrenberg, 1830)
José de Paggi 1990: CH, TU, SE, LR, SJ, SF, BA, SL, RN, CU
FO: José de Paggi 2001b. **CR:** Paggi and José de Paggi 1990; Frutos 1996; José de Paggi 1996. **ER:** José de Paggi 2004. **SF:** José de Paggi 1993; 2004; Pecorari et al.2006; Gagneten and Paggi 2009; Rojas Molina 2010; José de Paggi and Devercelli 2011; José de Paggi et al. 2012; Battauz et al. 2014. **BA:** Modenutti and Claps 1988; Benítez and Claps 2000. **LP:** Vignatti et al. 2008

Genus *Tripleuchlanis* Myers, 1930

Tripleuchlanis plicata (Levander, 1894)
CR: José de Paggi 1996. **SF:** José de Paggi 2004; José de Paggi et al. 2012. **BA:** this work

Genus *Trochosphaera* Semper, 1872

Trochosphaera aequatorialis Semper, 1872
José de Paggi 1990: SJ
SF: Paggi 1978; José de Paggi 2004; Battauz et al. 2014

Genus *Wolga* Skorikov, 1903

Wolga spinifera (Western, 1894)
José de Paggi 1990: TU, SF, BA, CO, CU
CR: José de Paggi 1996; 2004. **ER:** José de Paggi 2004. **SF:** José de Paggi 2004; José de Paggi and Devercelli 2011. **BA:** Modenutti and Claps 1988; Modenutti 1998a