

A Check-list for Zooplankton of Turkish Inland Waters

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Özet: Türkiye içsuları zooplankton kontrol listesi. Türkiye içsularında yapılmış olan zooplankton araştırmaları bir araya getirilerek bir kontrol listesi hazırlanmıştır. 1940 yılında başlatılan ve günümüze kadar yapılan araştırmalar sonucunda rotiferlerden 229, kladoserlerden 92, kopepodlardan ise 106 olmak üzere toplam 427 takson listelenmiştir.

Anahtar Kelimeler: Rotifera, Cladocera, Copepoda, Zooplankton, İçsular, Türkiye, Kontrol listesi

Abstract: A checklist is presented, based on compilation of previous zooplankton studies carried out at Turkish inland waters. As a result of studies conducted since 1940 to date, 229 rotiferans, 92 cladocerans and 106 copepods totalling 427 taxa is listed.

Key Words: Rotifera, Cladocera, Copepoda, Zooplankton, Inland Waters, Turkey, Check-list

Introduction

Inventory works on the zooplankton diversity of Turkish inland waters are recent, where majority of the studies was carried out within the past 65 years. Pioneering researches began by the early 1900's by Daday (1903), Vavra (1905) and Zederbauer and Brehm (1907). In the following years, the studies by Mann (1940) on pelagic copepods of Turkish lakes and by Geldiay (1949) on comparative investigation of macro and microfauna of Çubuk Dam and Eymir lakes are prominent.

The cladocer, copepod and rotifer fauna of Turkish inland waters were exposed to a greater extend between 1950 and 1970, with enterprises of foreign researchers (Muckle, 1951; Kiefer, 1952, 1955; Lindeberg, 1953, 1955; Noodt, 1954; Hauer, 1957; Margaritora and Cottarelli, 1970). Studies of Turkish scientists clearly outnumbered after 1970. When the number of zooplankton studies within separate decades is analyzed, a total of 12 studies between 1971-1980, 22 between 1981-1990, 47 between 1991-2000, and 20 thereafter were carried out (Table 1).

Table 1. The status of studies made concerning the zooplankton of Turkish inland waters, within advancing decades of interval.

1903-1910	3	Daday (1903), Vavra (1905), Zederbauer and Brehm (1907)
1911-1920	-	
1921-1930	-	
1931-1940	1	Mann (1940)
1941-1950	1	Geldiay (1949)
1951-1960	8	Muckle (1951), Kiefer (1952), Lindeberg (1953), Noodt (1954), Lindeberg (1955), Kiefer (1955), Hauer (1957), Numann (1958)
1961-1970	1	Margaritora and Cottarelli (1970)
1971-1980	12	Demirhindi (1972), Geldiay and Tareen (1972), Ongan <i>et al.</i> (1972), Tokat (1972), Tareen (1974), Tokat (1975), Toparlak (1975), Tokat (1976), Margaritora <i>et al.</i> (1977), Kiefer (1978), Fiers (1979), Pesce (1980)
1981-1990	22	Dumont (1981), Ongan (1981), Ongan (1982), Anonymus (1983), Gündüz (1984), Gündüz (1986), Anonymus (1986), Ustaoglu (1986), Ustaoglu and Balik (1986), Dumont and De Ridder (1987), Gündüz (1987), Özemesi (1987), Rahe and Pelister (1987), Ortak and Kirgiz (1988), Demirhindi (1989-1990), Emir (1989), Güher and Kirgiz (1989), Gündüz (1989), Emir (1990), Gündüz (1990), Ustaoglu and Balik (1990 a,b)
1991-2000	47	Demirhindi (1991), Emir (1991), Gündüz (1991 a,b), Güher and Kirgiz (1992), Kazancı <i>et al.</i> (1992), Pesce (1992), Segers <i>et al.</i> (1992), Anonymus (1993), Balik and Ustaoglu (1993), Ustaoglu (1993), Bekleyen and Bilgin (1994), Emir (1994 a,b), Güher and Kirgiz (1994), Ustaoglu and Akyürek (1994), Akil and Şen (1995), Altındağ and Sözen (1996), Anonymous (1996), Gündüz (1996), Ustaoglu <i>et al.</i> (1996), Altındağ (1997), Gündüz (1997), Emir and Demirsoy (1996), Bekleyen (1997), Bozkurt (1997), Göksu <i>et al.</i> (1997), Ustaoglu <i>et al.</i> (1997), Yeri <i>et al.</i> (1997), Mitamura <i>et al.</i> (1997), Altındağ and Özkurt (1998), Gündüz (1998 a,b), Yalim and Çıplak (1998), Özdemir Mis (1998), Akbulut (Emir) and Demirsoy (1998-99), Altındağ (1999), Altındağ and Yiğit (1999a,b), Balik <i>et al.</i> (1999), Güher (1999), Akbulut (Emir) (2000), Altındağ (2000), Bozkurt and Göksu (2000), Güher (2000), Saler (Emiroğlu) <i>et al.</i> (2000), Yıldız and Ekingen (2000)
2001-	20	Akbulut (Emir) (2001), Altındağ and Yiğit (2001a,b), Bekleyen (2001), Gülle and Ertan (2001), Saler (Emiroğlu) and Şen (2001), Ustaoglu <i>et al.</i> (2001a,b), Yalim (2001), Akbulut (Emir) and Akbulut (2002), Güher (2002), Saler and Şen (2002), Yiğit (2002), Tellioglu and Şen (2001, 2002), Bozkurt <i>et al.</i> (2002), Altındağ and Yiğit (2002), Aygen (2003), Ustaoglu <i>et al.</i> (2003), Bekleyen (2003)

A prominent increase is encountered in both the number of researchers and the zooplanktonic studies (ca.120 published papers) within advancing decades. Majority of these studies are of inventory nature, generally presenting information on inland water zooplankton fauna (cladocera, copepoda and rotifera).

Although a great proportion of studies were conducted at natural lakes, a recent tendency towards dam lakes and rivers is also of concern. This study aims to present a checklist of zooplankton of Turkish inland waters, based on compilation of previous inventory studies carried out until now.

Checklist**Phylum: Rotifera Cuvier, 1817****Classis: Eurotatoria De Ridder, 1957****Subclassis: Bdelloidea Hudson, 1884****Ordo: Adinetida****Familia: Adinetidae Hudson & Gosse, 1889****Genus: Adineta Hudson & Gosse, 1886***A. vaga* (Davis, 1873)**Ordo: Philodinida****Familia: Philodinidae Ehrenberg, 1838****Genus: Rotaria Scopoli, 1777***R. citrina* (Ehrenberg, 1838)*R. neptunia* (Ehrenberg, 1832)*R. rotatoria* (Pallas, 1766)*R. socialis* (Kellicott, 1888)**Genus: Philodina Ehrenberg, 1830***P. megalotrocha* Ehrenberg, 1832*P. roseola* Ehrenberg, 1832**Subclassis: Monogononta Plate, 1889****Superordo: Pseudotocha Kutikova, 1970****Ordo: Ploimia Hudson & Gosse, 1886****Familia: Epiphanidae Haring, 1913****Genus: Proalides De Beauchamp, 1907***P. verrucosa* Barrois & Daday, 1894**Genus: Liliferotrocha Sudzuki, 1959***L. subtilis* (Rodewald, 1940)**Genus: Epiphanes Ehrenberg, 1832***E. brachionus spinosus* (Rousselet, 1901)*E. macroura* (Barrois & Daday, 1894)*E. senta* (O.F.Müller, 1773)**Genus: Rhinoglena Ehrenberg, 1853***R. frontalis* Ehrenberg, 1853**Familia: Brachionidae Ehrenberg, 1838****Genus: Platyas Haring, 1913***P. quadricornis* (Ehrenberg, 1832)**Genus: Brachionus Pallas, 1766***B. angularis* Gosse, 1851*B. bidentatus* Anderson, 1889*B. budapestinensis* Daday, 1885*B. calyciflorus* Pallas, 1766*B. c. anureiformis* (Brehm, 1909)*B. caudatus* (Barrois & Daday, 1894)*B. diversicornis* (Daday, 1883)*B. falcatus* Zacharias, 1898*B. forficula* Wierzejski, 1891*B. leydigi* Cohn, 1862*B. l. tridentatus* (Sernov, 1901)*B. patulus* (O.F.Müller, 1786)*B. plicatilis* (O.F.Müller, 1786)*B. quadridentatus* Hermann, 1783*B. q. ancylognathus* (Schmarda, 1859)*B. q. brevispinus* (Ehrenberg, 1832)*B. q. cluniorbicularis* (Skorikov, 1894)*B. rubens* Ehrenberg, 1838*B. sessilis* Varga, 1951*B. urceolaris* (O.F.Müller, 1773)*B. variabilis* Hempel, 1896**Genus: Keratella Bory de St. Vincent, 1822***K. cochlearis* (Gosse, 1851)*K. c. tecta* (Lauterborn, 1900)*K. quadrata* (O.F.Müller, 1786)*K. q. frenzeli* (Eckstein, 1895)*K. testudo* (Ehrenberg, 1832)*K. tropica* (Apstein, 1907)*K. t. brehmi* (Klausener, 1908)*K. t. reducta* (Fadeew, 1927)*K. valga* (Ehrenberg, 1834)**Genus: Notholca Gosse, 1886***N. acuminata* (Ehrenberg, 1832)*N. squamula* (O.F.Müller, 1786)**Genus: Kellicottia Ahlstrom, 1938***K. longispina* (Kellicott, 1879)**Genus: Anuraeopsis Lauterborn, 1900***A. coelata* (de Beauchamp, 1932)*A. fissa* Gosse, 1851**Familia: Euchlanidae Ehrenberg, 1838****Genus: Euchlanis Ehrenberg, 1832***E. contorta* Wulfert, 1939*E. dilatata* Ehrenberg, 1832*E. incisa* Carlin, 1939*E. lyra* Hudson, 1886*E. meneta* Myers, 1930*E. oropha* Gosse, 1887**Genus: Tripleuchlanis Myers, 1930***T. plicata* (Levander, 1894)**Familia: Mytilinidae Haring, 1913****Genus: Mytilina Bory de St. Vincent, 1826***M. mucronata* (O.F.Müller, 1773)*M. ventralis* (Ehrenberg, 1832)*M. v. brevispinna* Ehrenberg, 1832*M. v. macracantha* (Gosse, 1886)**Genus: Lophocharis Ehrenberg, 1838***L. naias* Wulfert, 1942*L. oxystemon* (Gosse, 1851)*L. rubens* Wulfert, 1939*L. salpina* (Ehrenberg, 1834)**Familia: Trichotriidae Haring, 1913****Genus: Wolga Skorikov, 1903***W. spinifera* (Western, 1894)**Genus: Trichotria Bory de St. Vincent, 1827***T. curta* (Skorikov, 1914)*T. pocillum* (O.F.Müller, 1776)*T. tetractis* (Ehrenberg, 1830)**Genus: Macrochaetus Perty, 1850***M. collinsi* (Gosse, 1867)**Familia: Lepadellidae Haring, 1913****Genus: Colurella Bory de St. Vincent, 1824***C. adriatica* Ehrenberg, 1831*C. colurus* (Ehrenberg, 1830)*C. obtusa* (Gosse, 1886)

- C. uncinata* (O.F.Müller, 1773)
C. u. bicuspidata (Ehrenberg, 1832)
Genus: Squatinella Bory de St. Vincent, 1826
S. mutica (Ehrenberg, 1832)
S. rostrum (Schmarda, 1846)
Genus: Lepadella Bory de St. Vincent, 1826
L. acuminata (Ehrenberg, 1834)
L. amphitropis Haring, 1916
L. costata Wulfert, 1940
L. ovalis (O.F.Müller, 1786)
L. patella (O.F.Müller, 1786)
L. p. similis (Lucks, 1912)
L. quadricarinata (Stenroos, 1898)
L. quinquecostata (Lucks, 1912)
L. rhomboides (Gosse, 1886)
L. triptera (Ehrenberg, 1830)
Familia: Lecanidae Remane, 1933
Genus: Lecane Nitzsch, 1827
L. bifastigata Hauer, 1938
L. elsa Hauer, 1931
L. flexilis (Gosse, 1886)
L. grandis (Murray, 1913)
L. hastata (Murray, 1913)
L. imbricata Carlin, 1939
L. inermis (Bryce, 1892)
L. ludwigi (Eckstein, 1893)
L. luna (O.F.Müller, 1776)
L. nana (Murray, 1913)
L. ohioensis (Herrick, 1885)
L. o. ichthyoura (Anderson & Shephard, 1892)
L. papuana (Murray, 1913)
L. pyriformis (Daday, 1905)
L. rhenana Hauer, 1929
L. stichaea Haring, 1913
L. ungulata (Gosse, 1887)
L. (Monostyla) bulla (Gosse, 1886)
L. (M.) clostercerca (Schmarda, 1859)
L. (M.) comuta (O.F.Müller, 1786)
L. (M.) furcata (Murray, 1913)
L. (M.) furcata elachis (Haring & Myers, 1926)
L. (M.) hamata (Stokes, 1896)
L. (M.) lamellata (Daday, 1893)
L. (M.) lunaris (Ehrenberg, 1832)
L. (M.) l. perplexa (Ahlstrom, 1938)
L. (M.) punctata (Murray, 1913)
L. (M.) quadridentata (Ehrenberg, 1832)
L. (M.) rugosa (Haring, 1914)
L. (M.) scutata (Haring & Myers, 1926)
L. (M.) stenroosi (Meissner, 1908)
Familia: Proalidae Haring & Myers, 1924
Genus: Proales Gosse, 1886
P. decipiens (Ehrenberg, 1831)
Familia: Lindiidae Haring & Myers, 1924
Genus: Lindia Dujardin, 1841
L. tecusa (Haring & Myers, 1922)
L. truncata (Jennings, 1894)
Familia: Scaridiidae Manfredi, 1927
Genus: Scaridium Ehrenberg, 1830
S. longicaudum (O.F.Müller, 1786)
Familia: Notommatidae Hudson & Gosse, 1886
Genus: Monommata Bartsch, 1870
M. arndti Remane, 1933
M. longiseta (O.F.Müller, 1786)
Genus: Taphrocampa Gosse, 1851
T. selenura (Gosse, 1887)
Genus: Eosphora Ehrenberg, 1830
E. anthadis Haring & Myers, 1922
E. ehrenbergi Weber, 1918
E. najas Ehrenberg, 1830
E. thoides Wulfert, 1935
Genus: Resticula Haring & Myers, 1924
R. gelida Haring & Myers, 1922
R. nyssa Haring & Myers, 1924
Genus: Notommata Ehrenberg, 1830
N. copeus Ehrenberg, 1834
N. cyrtopus Gosse, 1886
Genus: Pleurotrocha Ehrenberg, 1830
P. petromyzon Ehrenberg, 1830
Genus: Cephalodella Bory de St. Vincent, 1826
C. auriculata (O.F.Müller, 1773)
C. catellina (O.F.Müller, 1786)
C. exigua (Gosse, 1886)
C. forficula (Ehrenberg, 1838)
C. gibba (Ehrenberg, 1838)
C. gracilis (Ehrenberg, 1832)
C. plicata Myers, 1924
C. sterea (Gosse, 1887)
C. ventripes Dixon-Nuttall, 1901
Familia: Trichocercidae Haring, 1913
Genus: Trichocerca Lamarck, 1801
T. capucina Wierzejski & Zacharias, 1893
T. cylindrica (Imhof, 1891)
T. elongata (Gosse, 1886)
T. iernis (Gosse, 1887)
T. longiseta (Schrank, 1802)
T. pusilla (Lauterborn, 1898)
T. rattus (O.F.Müller, 1776)
T. r. carinata (Ehrenberg, 1830)
T. r. minor (Fadew, 1925)
T. stylata (Gosse, 1851)
T. (Diurella) bidens (Lucks, 1912)
T. (D.) birostris (Minkiewicz, 1900)
T. (D.) cavia (Gosse, 1886)
T. (D.) collaris (Rousselet, 1896)
T. (D.) porcellus (Gosse, 1886)
T. (D.) relicta (Donner, 1950)
T. (D.) similis (Wierzeski, 1893)
T. (D.) taurocephala (Hauer, 1931)
T. (D.) tenuior (Gosse, 1886)
T. (D.) tigris (O.F.Müller, 1786)
T. (D.) vernalis Hauer, 1936
T. (D.) weberi Jennings, 1903

- Genus: Elosa Lord, 1891**
E. worallii Lord, 1891
- Familia: Gastropodidae Harring, 1913**
- Genus: Gastropus (Imhof, 1898)**
G. hyptopus (Ehrenberg, 1838)
G. stylifer Imhof, 1891
- Genus: Ascomorpha Perty, 1850**
A. ecuadis (Petty, 1850)
A. ovalis (Bergendahl, 1892)
A. saltans Bartsch, 1870
- Familia: Synchaetidae Hudson & Gosse, 1886**
- Genus: Synchaeta Ehrenberg, 1832**
S. lakowitziana Lucks, 1930
S. litoralis Rousselet, 1902
S. oblonga Ehrenberg, 1831
S. pectinata Ehrenberg, 1832
S. stylata Wierzejski, 1893
- Genus: Polyarthra Ehrenberg, 1834**
P. dolichoptera Idelson, 1925
P. d. aptera (Hood, 1895)
P. euryptera (Wierzejski, 1893)
P. major Buckhardt, 1900
P. remata (Skorikov, 1896)
P. vulgaris Carlin, 1943
- Familia: Asplanchnidae Eckstein, 1883**
- Genus: Asplachnopus Guerne, 1888**
A. dahlgreni Myers, 1934
- Genus: Asplachna Gosse, 1850**
A. brightwelli (Gosse, 1850)
A. girodi (de Guerne, 1888)
A. priodonta Gosse, 1850
A. sieboldi (Leydig, 1854)
A. silvestris (Daday, 1902)
- Familia: Dicranophoridae Harring, 1913**
- Genus: Dicranophorus Nitzsch, 1827**
D. caudatus (Ehrenberg, 1834)
D. forcipatus (O.F.Müller, 1786)
D. grandis (Ehrenberg, 1832)
D. hauerianus Wiszniewski, 1939
D. lutkeni (Bergendahl, 1892)
D. secretus Donner, 1951
- Genus: Ecentrum Ehrenberg, 1838**
E. saundersiae (Hudson, 1885)
- Genus: Erignatha Harring & Myers, 1928**
E. sagittoides Wiszniewski, 1935
- Superordo: Gnesiotrocha Kutikova, 1970**
- Ordo: Flosculariacea Harring, 1913**
- Familia: Testudinellidae Harring, 1913**
- Genus: Testudinella Bory de St. Vincent, 1826**
T. elliptica (Ehrenberg, 1834)
T. incisa (Ternetz, 1892)
T. i. emarginula (Stenroos, 1898)
T. mucronata (Gosse, 1886)
T. patina (Hermann, 1783)
T. reflexa (Gosse, 1887)
T. truncata (Gosse, 1886)
- Genus: Pompholyx Gosse, 1851**
P. complanata Gosse, 1851
P. sulcata (Hudson, 1885)
P. triloba Pejler, 1957
- Familia: Flosculariidae Ehrenberg, 1838**
- Genus: Floscularia Cuvier, 1798**
F. ringens (Linnaeus, 1758)
- Genus: Ptygura Ehrenberg, 1832**
P. beauchampi Edmondson, 1940
P. furcillata (Kellcott, 1889)
- Familia: Conochilidae Harring, 1913**
- Genus: Conochilus Ehrenberg, 1834**
C. dossuarius (Hudson, 1885)
C. hippocrepeis (Schrank, 1830)
C. natans (Seligo, 1900)
C. unicornis Rousselet, 1892
- Familia: Hexarthridae Bartos, 1959**
- Genus: Hexarthra Schmarida, 1854**
H. fennica (Levander, 1892)
H. intermedia Wiszniewski, 1929
H. mira (Hudson, 1871)
H. oxyurus (Semov, 1903)
H. polyodonta (Hauer, 1957)
- Familia: Filiniidae Harring & Myers, 1926**
- Genus: Filinia Bory de St. Vincent, 1824**
F. branchiata (Rousselet, 1901)
F. cornuta (Weisse, 1847)
F. limnetica (Zacharias, 1893)
F. longiseta (Ehrenberg, 1834)
F. opoliensis (Zacharias, 1898)
F. passa (O.F.Müller, 1786)
F. pejleri Hutchinson, 1964
F. saltator (Gosse, 1886)
F. terminalis (Plate, 1886)
- Ordo: Collotheceae Harring, 1913**
- Familia: Collotheceidae Harring, 1913**
- Genus: Collothece Harring, 1913**
C. mutabilis (Hudson, 1885)
C. ornata (Ehrenberg, 1832)
C. pelagica (Rousselet, 1893)
- Phylum: Arthropoda Latreille, 1829**
- Subphylum: Crustacea Brünnich, 1772**
- Classis: Branchiopoda Latreille, 1817**
- Subclassis: Phyllopoda Preuss, 1951**
- Ordo: Diplostraca Gerstaecker, 1866**
- Subordo: Cladocera Latreille, 1829**
- Infraordo: Ctenopoda Sars, 1866**
- Familia: Sidiidae Baird, 1850**
- Genus: Sida Straus, 1820**
S. crystallina (O.F.Müller, 1776)
- Genus: Diaphanosoma Fischer, 1850**
D. brachyurum (Liévin, 1848)
D. lacustris Korinek, 1981
D. mongolianum Ueno, 1938

- D. orghidani* Negrea, 1982
D. birgei Korinek, 1981
- Infraordo: Anomopoda Stebbing, 1902**
Familia: Daphniidae Sars, 1865
Genus: Daphnia O.F.Müller, 1785
D. (Ctenodaphnia) atkinsoni Baird, 1859
D. (C.) magna (Straus, 1820)
D. (C.) similis Claus, 1876
D. (C.) ulomskyi Behning, 1941
D. carinata King, 1852
D. cucullata Sars, 1862
D. curvirostris Eylmann, 1887
D. galeata Sars, 1864
D. hyalina Leydig, 1860
D. longispina O.F.Müller, 1875
D. obtusa Kurz, 1874
D. parvula Fordyce, 1901
D. pulex Leydig, 1860
D. pulicaria Forbes, 1893
- Genus: Simocephalus Schoedler, 1858**
S. exspinosus (Koch, 1841)
S. serrulatus (Koch, 1841)
S. vetulus (O.F.Müller, 1776)
- Genus: Ceriodaphnia Dana, 1853**
C. cornuta Sars, 1866
C. dubia Richard, 1894
C. laticaudata P.E.Müller, 1867
C. megops Sars, 1862
C. pulchella Sars, 1862
C. quadrangula (O.F.Müller, 1785)
C. reticulata (Jurine, 1820)
- Genus: Megafenestra Dumont & Pensaert, 1983**
M. aurita (Fischer, 1849)
- Genus: Scapholeberis Schoedler, 1858**
S. kingi Sars, 1903
S. mucronata (O.F.Müller, 1785)
S. rammneri Dumont & Pensaert, 1983
- Familia: Moinidae Goulden, 1968**
Genus: Moina Baird, 1850
M. branchiata (Jurine, 1820)
M. macrocopa (Straus, 1820)
M. micrura Kurz, 1874
M. salina Daday, 1888
- Familia: Ilyocryptidae Smirnov, 1992**
Genus: Ilyocryptus Sars, 1862
I. agilis Kurz, 1878
I. anatolicus Gündüz, 1996
I. cuneatus Stifter, 1988
I. samsuni Gündüz, 1990
I. sordidus (Liévin, 1848)
- Familia: Macrothricidae Norman & Brady, 1867**
Genus: Macrothrix Baird, 1845
M. groenlandica Lilljeborg, 1900
M. hirsuticornis Norman & Brady, 1867
M. laticornis (Fischer, 1851)
M. monodi (Gauthier, 1930)
- M. rosea* (Liévin, 1848)
M. spinosa King, 1853
- Genus: Lathonura Lilljeborg, 1853**
L. rectirostris (O.F.Müller, 1785)
- Familia: Bosminidae Baird, 1845**
Genus: Bosmina Baird, 1845
B. longirostris (O.F.Müller, 1785)
- Familia: Chydoridae Stebbing, 1902**
Subfamilia: Eurycercinae Kurz, 1875
Genus: Eurycercus Baird, 1843
E. lamellatus (O.F.Müller, 1785)
- Subfamilia: Chydorinae Stebbing, 1902**
Genus: Pleuroxus Baird, 1843
P. aduncus (Jurine, 1820)
P. trigonellus (O.F.Müller, 1785)
P. truncatus (O.F.Müller, 1785)
P. uncinatus Baird, 1850
- Genus: Picripleuroxus Frey, 1993**
P. laevis (Sars, 1862)
- Genus: Alonella Sars, 1862**
A. excisa (Fischer, 1854)
A. exigua (Lilljeborg, 1853)
A. nana (Baird, 1850)
- Genus: Disparalona Fryer, 1968**
D. rostrata (Koch, 1841)
- Genus: Chydorus Leach, 1816**
C. gibbus Sars, 1891
C. latus Sars, 1862
C. sphaericus (O.F.Müller, 1776)
- Genus: Ephemeroporus Frey, 1982**
E. barroisi (Richard, 1894)
- Genus: Dunhevedia King, 1853**
D. crassa King, 1853
- Genus: Pseudochydorus Fryer, 1968**
P. globosus (Baird, 1843)
- Subfamilia: Aloninae Frey, 1967**
Genus: Alona Baird, 1843
A. costata Sars, 1862
A. guttata Sars, 1862
A. protzi Hartwig, 1900
A. pulchella King, 1853
A. quadrangularis (O.F.Müller, 1785)
A. rectangula Sars, 1862
- Genus: Acroperus Baird, 1843**
A. angustatus Sars, 1863
A. harpae (Baird, 1835)
- Genus: Camptocercus Baird, 1843**
C. lilljeborgi Schoedler, 1862
C. rectirostris Schoedler, 1862
C. uncinatus Smirnov, 1971
- Genus: Graptoleberis Sars, 1862**
G. testudinaria (Fischer, 1848)
- Genus: Leydigia Kurz, 1875**
L. acanthocercoides (Fischer, 1854)
L. leydigi (Schoedler, 1863)
- Genus: Biapertura Smirnov, 1971**

- B. affinis* (Leydig, 1860)
B. intermedia (Sars, 1862)
B. verrucosa Sars, 1901
Genus: Tretocephala Frey, 1965
T. ambigua (Lilljeborg, 1900)
Genus: Oxyurella Dybowski & Grochowski, 1894
O. tenuicaudis (Sars, 1862)
Genus: Monospilus Sars, 1862
M. dispar Sars, 1862
Infraordo: Oncychopoda Sars, 1865
Familia: Polyphemidae Baird, 1845
Genus: Polyphemus O.F.Müller, 1785
P. pediculus (Linnaeus, 1761)
Familia: Podonidae Mordukhai-Boltovskoi, 1968
Genus: Pleopis Dana, 1853
P. polyphemoides (Leucart, 1859)
Genus: Cornigerus Mordukhai-Boltovskoi, 1967
C. lacustris (Spandl, 1923-1924)
Familia: Cercopagidae Mordukhai-Boltovskoi, 1968
Genus: Cercopagis Sars, 1897
C. pengoi (Ostroumov, 1892)
Infraordo: Haplopoda Sars, 1865
Familia: Leptodoridae Lilljeborg, 1861
Genus: Leptodora Lilljeborg, 1861
L. kindtii (Focke, 1844)
- Classis: Maxillopoda Dahl, 1956**
Subclassis: Copepoda H.Milne-Edwards, 1840
Infraclassis: Neocopepoda Huys & Boxshall, 1991
Superordo: Gymnoplea Giebesbrecht, 1882
Ordo: Calanoida Sars, 1930
Familia: Temoridae G.O.Sars, 1903
Genus: Eurytemora Giesbrecht, 1881
E. velox (Lilljeborg, 1853)
Genus: Heterocope G.O.Sars, 1862
H. caspia G.O.Sars, 1897
Familia: Pseudodiaptomidae G.O.Sars, 1903
Genus: Calanipeda Kritschagin, 1873
C. aquaedulcis Kritschagin, 1873
Familia: Acartiidae G.O.Sars, 1903
Genus: Acartia Dana, 1846
A. latisetosa (Kritschagin, 1873)
Familia: Diaptomidae G.O.Sars, 1903
Subfamilia: Paradiaptominae Kiefer, 1932
Genus: Lovenula Schmeil, 1898
L. alluaudi (Guerne & Richard, 1890)
Subfamilia: Diaptominae Kiefer, 1932
Genus: Diaptomus Westwood, 1836
D. (Chaetodiaptomus) falsomirus Kiefer, 1972
D. (Ch.) serbicus Gjorgjivic, 1907
Genus: Hemidiaptomus G.O.Sars, 1903
H. brehmi Mann, 1940
H. kummerloewei Mann, 1940
Genus: Acanthodiaptomus Kiefer, 1932
A. denticornis (Wierzejski, 1887)
Genus: Eudiaptomus Kiefer, 1932
E. anatolicus Gündüz, 1998
E. arnoldi (Siewerth, 1928)
E. drieschi (Poppe & Mrazek, 1895)
E. vulgaris (Schmeil, 1898)
Genus: Arctodiaptomus Kiefer, 1932
A. belgrati Mann, 1940
A. byzantinus Mann, 1940
A. osmanus Kiefer, 1974
A. pectinicornis (Wierzejski, 1887)
A. similis (Baird, 1859)
A. spectabilis Mann, 1940
A. stephanidesi bulgaricus (Kiefer, 1971)
A. wierzejskii (Richard, 1888)
A. (Rhabdodiaptomus) acutilobatus (G.O.Sars, 1903)
A. (Rh.) bacillifer (Koelbel, 1885)
A. (Rh.) bacillifer propior Kiefer, 1952
A. (Rh.) burduricus Kiefer, 1939
A. (Rh.) centetes (Brehm, 1938)
A. (Rh.) niethammeri (Mann, 1940)
A. (Rh.) salinus (Daday, 1885)
A. (Rh.) spinosus (Daday, 1891)
Genus: Mixodiaptomus Kiefer, 1932
M. kupelwieseri (Brehm, 1907)
Genus: Sinodiaptomus Kiefer, 1932
S. sarsi (Rylov, 1923)
Superordo: Podoplea Giesbrecht, 1882
Ordo: Cyclopoida Sars, 1918
Familia: Cyclopoidae G.O.Sars, 1913
Subfamilia: Halicyclopinæ Kiefer, 1927
Genus: Halicyclops Norman, 1903
H. neglectus Kiefer, 1935
Subfamilia: Eucyclopinæ Kiefer, 1927
Genus: Macrocyclops Claus, 1893
M. albidus (Jurine, 1820)
M. fuscus (Jurine, 1820)
Genus: Eucyclops Claus, 1893
E. macruroides (Lilljeborg, 1901)
E. macrurus (G.O.Sars, 1863)
E. serrulatus (Fischer, 1851)
E. speratus (Lilljeborg, 1901)
Genus: Tropocyclops Kiefer, 1927
T. confinis Kiefer, 1930
T. prasinus (Fischer, 1860)
Genus: Paracyclops Claus, 1893
P. fimbriatus (Fischer, 1853)
P. fimbriatus chiltoni (Thomson, 1882)
Genus: Ectocyclops Brady, 1904
E. phaleratus (Koch, 1838)
Subfamilia: Cyclopinæ Kiefer, 1927
Genus: Cyclops O.F.Müller, 1785
C. abyssorum G.O.Sars, 1863
C. ankyrae Mann, 1940
C. bohater Kozminski, 1933
C. furcifer Claus, 1857
C. insignis Claus, 1857
C. lacustris G.O.Sars, 1863

- C. scutifer* G.O.Sars, 1863
C. strenuus Fischer, 1851
C. vicinus Uljanin, 1875
Genus: Acanthocyclops (Kiefer, 1927)
A. gordani Petkovski, 1971
A. kieferi (Chappuis, 1925)
A. niceae Mann, 1940
A. robustus (G.O.Sars, 1863)
A. venustus (Nordman & Scoott, 1906)
A. vernalis (Fischer, 1853)
Genus: Megacyclops Kiefer, 1927
M. latipes (Lowndes, 1927)
M. viridis (Jurine, 1820)
Genus: Diacyclops Kiefer, 1927
D. antricola Kiefer, 1967
D. bicuspidatus (Claus, 1857)
D. bicuspidatus odessanus (Schmankevitch, 1875)
D. bisetosus (Rehberg, 1880)
D. clandestinus (Kiefer, 1926)
D. crassicaudis (G.O.Sars, 1863)
D. crassicaudis cretensis Kiefer, 1928
D. languidoides (Lilljeborg, 1901)
D. languidoides anatolicus Pesce, 1992
D. languidus (G.O.Sars, 1863)
D. skopljensis Kiefer, 1932
D. zschokkei (Graeter, 1910)
Genus: Metacyclops Kiefer, 1927
M. amoenus Mann, 1940
M. gracilis (Lilljeborg, 1853)
M. minutus (Claus, 1863)
M. planus (Gurney, 1909)
Genus: Cryptocyclops G.O.Sars, 1927
C. bicolor (G.O.Sars, 1863)
Genus: Microcyclops Claus, 1893
M. rubellus (Lilljeborg, 1901)
M. varicans (G.O.Sars, 1863)
Genus: Mesocyclops Kiefer, 1927
M. leuckarti (Claus, 1857)
M. leuckarti bodanicola (Kiefer, 1928)
Genus: Thermocyclops Kiefer, 1927
T. crassus (Fischer, 1853)
T. dybowskii (Lande, 1890)
T. oblongatus (G.O.Sars, 1927)
Incertae sedis
Genus: Protocyclops
P. kosswigi Lindeberg, 1953
Ordo: Poecilostomatoida Thorell, 1859
Familia: Ergasilidae Nordmann, 1832
Genus: Ergasilus Nordmann, 1832
E. gibbus Nordmann, 1832
E. sieboldi Nordmann, 1832
Ordo: Harpacticoida Sars, 1911
Familia: Ameiridae Monard, 1927
Genus: Nitokra Boeck, 1864
N. hibernica (Brady, 1880)
N. incerta (Richard, 1893)

- N. lacustris* (Schmankevitch, 1875)
Genus: Nitokrella Chappuis, 1923
N. kosswigi Noodt, 1954
Familia: Canthocamptidae Sars, 1906
Genus: Canthocamptus Westwood, 1836
C. microstaphylinus Wolf, 1905
C. staphylinus (Jurine, 1820)
Genus: Mesochra Boeck, 1864
M. aestuarii Gurney, 1921
Genus: Attheyella Brady, 1880
A. crassa (G.O.Sars, 1863)
A. (Mrazekiella) trispinosa (Brady, 1880)
A. (M.) wulmeri osmana Kiefer, 1955
Genus: Bryocamptus Chappuis, 1928
B. (Rheocamptus) pygmaeus (G.O.Sars, 1863)
Genus: Elaphoidella Chappuis, 1928
E. gracilis (Sars, 1863)
Familia: Parastenocarididae Chappuis, 1933
Genus: Parastenocaris Kessler, 1913
P. phyllophora Noodt, 1954
Familia: Laophontidae T.Scott, 1904
Genus: Onychocamptus Daday, 1903
O. mohammed (Blanchard & Richard, 1891)
Familia: Cletodidae T.Scott, 1904
Genus: Cletocamptus Schmankevitch, 1875
C. retrogressus Schmankevitch, 1875
Genus: Limnocletodes Borutzky, 1926
L. behningi Borutzky, 1926
Genus: Nannopus Brady, 1880
N. palustris Brady, 1880
Familia: Leptastacidae Lang, 1948
Genus: Paraleptastacus Wilson, 1932
P. spinicauda trisetata Noodt, 1954

The examination of previous literature has revealed the occurrence of a total of 427 taxa, comprising 229 rotiferans (%53.63), 106 copepods (% 24.82) and 92 cladocerans (%21.55) (Table 2). Cyclopoida dominated in group of Copepoda with a proportion of %50.94.

Table 2. Numbers of genera and taxa within zooplankton group.

Group	Genera	Taxa
ROTIFERA	Bdelloidea	3
	Monogononta	7
		50
CLADOCERA		222
		35
COPEPODA		92
	Calanoida	12
	Cyclopoida	32
	Poecilostomatoida	16
		1
	Harpacticoida	2
		13
		18
Total		130
		427

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