

**CHECKLIST OF FRESHWATER TRICLADS  
(PLATYHELMINTHES: TRICLADIDA) OF  
HUNGARY**

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***Abstract***

This paper lists the free living freshwater triclad (flatworms: turbellarians) species reported from the territory of Hungary, along with the main faunistical characters referred to Hungary. Seventeen (17) identified species were reported up to 2011 year: fifteen (15) native freshwater triclads and two (2) non-native freshwater triclads.

**Keywords:** turbellarians, freshwater planarians, Tricladida, Hungary, checklist

***Összefoglalás***

Jelen publikáció felsorolja a Magyarország területéről közölt édesvízi planáriák (laposférgek: örvényférgek) szabadban előforduló fajait Magyarországra vonatkozó főbb faunisztikai jellemzőivel. Tizen-

hét (17) azonosított faj került elő eddig: tizenöt (15) őshonos és kettő (2) nem őshonos édesvízi planária.

**Kulcsszavak:** örvényférgék, édesvízi planáriák, Tricladida, Magyarország, fajlista

### *Introduction*

This work lists free living freshwater triclad (Platyhelminthes: “Turbellaria”: Tricladida) species within the present borders of Hungary, Middle Europe. (Those species were not mentioned in this paper which were registered in the historical “Great Hungary”, but the localities are out of the present political borders since the Treaty of Trianon, 1920.) The first data on triclad from Hungary was published in the report by Margó (1879) from Budapest and its region. The checklist of Parádi (1899) was referred to the Great Hungary. The following checklist of G. Dahm and Gourbault (1978) was referred to the whole Carpathian Basin, including Hungary.

### *Materials and Methods*

The Checklist of Freshwater Triclad in Hungary contains taxonomy, species names, and some basic information referred to Hungary:

Current ***Genus species*** (Auctor, year) [= outdated *Genus species* Auctor, year; other outdated *Genus species* (Auctor, year)] <current Hungarian name (= former Hungarian name), body length, habitat, occurrence, main character>: (citation of the first PUBLISHER from Hungary)

Taxonomy and the nomenclature follow Kenk (1974) and Tyler et al. (2006–2011). The origin of the Hungarian names were based on the works of Méhely (1925), Gelei (1930), Dudich (1942), Lukács

(1955), Hartwich (1977), Andrásy (1984), Reichholf (1998), Bährmann (2000), Kovács and Fülep (2011).

## **Results**

Seventeen (17) identified species were reported in Hungary up to 2011 year: fifteen (15) native freshwater triclads and two (2) non-native freshwater triclads.

Phylum: **PLATYHELMINTHES** Minot, 1876 [= Plathelminthes Schneider, 1873] <laposférgék>

Suborder: **TRICLADIDA** Lang, 1884 <hármasselűek>

Infraorder: **Continenticola** Carranza, Littlewood, Clough, Ruiz-Trillo, Baguna, Riutort, 1998

Superfamilia: **Planarioidea** Stimpson, 1857

Familia: **Dendrocoelidae** Hallez, 1892 <fodros planáriák>

Genus: **Dendrocoelum** Müller, 1774 [= *Dendrocoelum* Örsted, 1844; *Dendrocoelides* de Beauchamp, 1919]

1. ***Dendrocoelum album*** (Steinmann, 1910) [= *Polycladodes alba* Steinmann, 1910] <10–14 mm, region of Balaton lake: Vászoly>: (GELEI, 1931)

2. ***Dendrocoelum hankoi*** (Gelei, 1927) [= *Dendrocoelides hankoi* Gelei, 1927; *Paradendrocoelum hankoi* (Gelei, 1927)] <6–10 mm, region of Balaton lake: Vászoly, Kádárta, Kővágóörs>: (GELEI, 1927)

3. ***Dendrocoelum lacteum*** (Müller, 1774) [= *Fasciola lactea* Müller, 1774; *Dendrocoelum lacteum* Örsted, 1844; *Eudendrocoelum lacteum* (Müller, 1773)] <tejfehér planária (= tejfehér örvényféreg), 10–30 mm, lentic, productive waters, common>: (MARGÓ, 1879)

4. ***Dendrocoelum pannonicum*** (Méhely, 1927) [= *Dendrocoelides pannonicus* Méhely, 1927; *Dendrocoelum mrazekii pannonicum*

(Méhely, 1927); *Dendrocoelides mrazeki pannonica* (Méhely, 1927)] <12 mm, Mecsek mountains: waters of Mánfai-kőlyuk Cave, endemic>: (MÉHELÝ, 1927)

5. *Dendrocoelum romanodanubiale* (Codreanu, 1949) [= *Palaeodendrocoelum romanodanubialis* Codreanu, 1949] <dunai planária, 5–9 mm, lentic, Ponto-Caspian, non-native>: (FÜLEP and NOSEK, 2010)

Familia: **Planariidae** Stimpson, 1857 <valódi planáriák>

Genus: **Crenobia** Kenk, 1930

6. *Crenobia alpina* (Dana, 1766) [= *Hirudo alpina* Dana, 1766; *Fasciola alpina* Dana, 1766; *Planaria alpina* Dana, 1766)] <szarvasplanária (= alpesi planária, alpesi örvényféreg, kétszemű szarvasféreg), 10–16 mm, lotic, mountainous springs, glacial relict>: (MÉHELÝ, 1918)

Genus: **Phagocata** Leidy, 1847 [= *Fonticola* Komárek, 1926]

7. *Phagocata albissima* (Vejdovský, 1883) [= *Planaria albissima* Vejdovský, 1883; *Fonticola albissima* (Vejdovský, 1883)] <8–12 mm, lotic, Bükk mountains: Vörös-kő-völgy, Bánya-lápa>: (LUKÁCS, 1958)

8. *Phagocata vitta* (Dugès, 1830) [= *Planaria vitta* Dugès, 1830; *Fonticola vitta* (Dugès, 1830)] <önmentő planária, 8–15 mm, lotic, Bükk mountains: Létras-tető, Fekete-sár, Mátra mountains: Kékes>: (FÜLEP, 2006)

Genus: **Planaria** Müller, 1776

9. *Planaria torva* (Müller, 1773) [= *Fasciola torva* Müller, 1773] <mocsári planária, 10–15 mm, lentic, lowland waters, common>: (MARGÓ, 1879)

Genus: **Polycelis** Ehrenberg, 1831

10. *Polycelis felina* (Dalyell, 1814) [= *Planaria felina* Dalyell,

1814; *Planaria cornuta* Johnson, 1822; *Polycelis cornuta* Johnston, 1822] <sokszemű szarvasplanária (= forrás örvényféreg, sokszemű planária, seregszemű szarvas planária, sokszemű szarvasféreg, seregszemű szarvasféreg), 8–15 mm, lotic, mountains, common>: (HANKÓ and DUDICH, 1924)

11. *Polycelis nigra* (Müller, 1773) [= *Fasciola nigra* Müller, 1773] <fekete planária (= sokszemű planária), 8–12 mm, lentic, common>: (MARGÓ, 1879)

(Exact distinguishing from *P. tenuis* needs genital examination.)

12. *Polycelis tenuis* Ijima, 1884 <seregszemű planária, 8–12 mm, lentic, common>: (Gelei, 1928)

(Exact distinguishing from *P. nigra* needs genital examination.)

13. *Polycelis tothi* Mészáros, 1927 <15 mm, Mecsek mountains: waters of Mánfai-kőlyuk Cave, endemic>: (MÉHELÛ, 1927)

Superfamilia: **Geoplanoidea** Stimpson, 1857

Familia: **Dugesiidae** Ball, 1974

Genus: **Dugesia** Girard, 1851 [= *Euplanaria* Hesse, 1897; *Geopaludicola* Komarek, 1919]

14. *Dugesia gonocephala* (Dugès, 1830) [= *Planaria gonocephala* Dugès, 1830; *Euplanaria gonocephala* (Dugès, 1830)] <füles planária (= nyílfejű örvényféreg), 10–25 mm, lotic, hills and mountains, common>: (MÉHELÛ, 1918)

15. *Dugesia lugubris* (Schmidt, 1861) [= *Planaria lugubris* Schmidt, 1861] <gyászplanária (= gyászos planária, gyászörvényféreg), 11–25 mm, lentic, lowland waters, common>: (MARGÓ, 1879)

(Exact distinguishing from *D. polychroa* needs genital examination.)

16. *Dugesia polychroa* (Schmidt, 1861) [= *Planaria polychroa* Schmidt, 1861] <11–20 mm, lentic, lowland waters, common>: (GELEI, 1928)

(Exact distinguishing from *D. lugubris* needs genital examination.)

17. *Dugesia tigrina* (Girard, 1850) [= *Planaria maculata* Leidy 1847; *Euplanaria tigrina* (Girard, 1850)] <foltos planária, 11–25 mm, lentic, North American, non-native>: (KENDER, 1939)

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