

CLOFFUY - update 4 - supplement to Checklist of the Freshwater Fishes of Uruguay.

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Remarks on this update

Finally enough news from Uruguay to report on have accumulated to publish a new update. As PecesCriellos had to be moved to a new software platform and host server in December 2020 several of the links provided in earlier updates had been broken since then. This could be fixed now and we apologize for any inconvenience.

The total count of freshwater fishes found in Uruguay has gone up by eight to 311. Changes are restricted to characiforms and siluriforms, being *Scleronema* the most effected genus. For this update we count with two new species based on type material from Uruguay, six first records, one synonymy, and the negative record for *Scleronema operculatum*, which is now assumed not to be distributed in the country.

	CLOFF UY	update # 1	update # 2	update # 3	update # 4	total
Myliobatiformes	2					2
Acipenseriformes	2	1				3
Clupeiformes	4					4
Cypriniformes	1					1
Characiformes	90	2	-1	1	4	96
Gymnotiformes	9	2		2		13
Siluriformes	103	15	-1	0	4	121
Gobiiformes	2					2
Synbranchiformes	1					1
Pleuronectiformes	3					3
Cichliformes	23	1	3	1		28
Atheriniformes	6	1				7
Cyprinodontiformes	28	-1		0		27
Perciformes	2					2
Mugiliformes	1					1
total	277	21	1	4	8	311

The aim of this list of species of freshwater fishes from Uruguay is to provide an updated supplement to the 'Checklist of Freshwater Fishes of Uruguay (CLOFFUY)' published by Litz & Koerber (2014) [LK]. Only those species are listed here that have not been included in that paper and the subsequent updates or which have undergone systematical changes since then. Changes in this sense may be new species, synonymies, re-validations, new generic combinations etc., every factor which might modify the data published at present.

This list is not a publication in the sense of the 'Code' (ICZN) and expressions as 'new species', 'new combination' etc. are only used to highlight changes in comparison with the original CLOFFUY.

'NEW' after species names indicates that this record has not been included in previously published updates. 'Info' provides hyperlinks to the individual species accounts in www.pecescriellos.de, usually with figures and some data from the respective publication.

class **ACTINOPTERI** Fricke et al. (2019a)

order **ACIPENSERIFORMES**

family **Acipenseridae**

Acipenser Linnaeus, 1758

A. gueldenstaedtii Brandt & Ratzeburg, 1833

first record from Uruguay [info](#)

published in Serra et al. (2014)

remarks introduced exotic species !

origin Europe and Middle East: Black Sea, Sea of Azov, and Caspian Sea watersheds

order **CHARACIFORMES**

family **Crenuchidae**

Characidium Reinhardt, 1867

C. zebra Eigenmann, 1909

first record from Uruguay [info](#)

published in Serra et al. (2014)

sub *Characidium* aff. *zebra*

remarks This is the species which in the past erroneously was addressed as *C. fasciatum*.

Crenuchidae considered not to be distributed in Uruguay

Characidium fasciatum Reinhardt, 1867 | in LK sub *Characidium fasciatum* | Serra et al. (2014) [info](#)

family **Erythrinidae**

Hoplias Gill, 1903

H. argentinensis Rosso et al., 2018

first record from Uruguay [info](#)

published in Paullier et al. (2019)

family **Anostomidae**

Megaleporinus Ramirez, Birindelli & Galetti, 2017

M. obtusidens (Valenciennes, 1837)

new combination from *Leporinus* [info](#)

published in Ramirez et al. (2017)

family **Characidae** Mirande (2018)

subfamily Stethaprioninae

tribus Stethaprionini

Hyphessobrycon Durbin, 1908

H. igneus Miquelarena, Menni, López & Casciotta, 1980
 first record from Uruguay [info](#)
 published in Serra et al. (2014) sub *Hyphessobrycon* aff. *igneus*

H. togoi Miquelarena & López, 2006
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

tribus Probolodini Terán et al. (2020)

Deuterodon Eigenmann, 1907

D. luetkenii (Boulenger, 1887)
 new combination from *Hyphessobrycon* [info](#)
 published in Terán et al. (2020)

D. taeniatus (Jenyns, 1842)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

tribus Gymnocharacini

Andromakhe Terán, Benitez & Mirande, 2020

A. saguazu (Casciotta, Almirón & Azpelicueta, 2003)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

A. stenohalina (Messner, 1962)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

Astyanax Baird & Girard, 1854

A. lacustris (Lütken, 1875)
A. asuncionensis and *jacuhiensis* are a jr. synonyms
 published in Lucena & Soares (2016)
 original *Tetragonopterus lacustris*
 synonyms *Astyanax altiparanae* Garutti & Britski, 2000
A. bimaculatus asuncionensis Géry, 1972 [info](#)
A. bimaculatus paraguayensis Eigenm., 1921
Tetragonopterus jacuhiensis Cope, 1894 [info](#)

Oligosarcus Guenther, 1864

O. robustus Menezes, 1969
 first record from Uruguay [info](#) NEW
 published in Serra et al. (2021)

Psalidodon Eigenmann, 1911

P. anisitsi (Eigenmann, 1907)
 new combination from *Hyphessobrycon* [info](#)
 published in Terán et al. (2020)

P. dissensus (Lucena & Thofehrn, 2013)
 first record from Uruguay sub *Astyanax dissensus* [info](#)
 published in Serra et al. (2014)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

P. eigenmanniorum (Cope, 1894)
 new combination from *Astyanax*
 published in Terán et al. (2020) [info](#)

P. erythropterus (Holmberg, 1891)
 first record from Uruguay
 published in Serra et al. (2021) [info](#) NEW

P. rutilus (Jenyns, 1842)
 new combination from *Astyanax*
 published in Terán et al. (2020) [info](#)

Stethaprioninae - species considered not to be distributed in Uruguay

Hydrocyon hepsetus Cuvier, 1829 | in LK sub *Oligosarcus hepsetus* | Koerber & Serra (2020) [info](#)
Tetragonopterus multifasciatus Eigenmann & Norris, 1900 | in LK sub *Hollandichthys m.* | Serra et al. (2014) [info](#)

subfamily Aphyocharacinae

Aphyocharax Guenther, 1868

A. rathbuni Eigenmann, 1907
 first record from Uruguay
 published in Serra et al. (2021) [info](#) NEW

subfamily Cheirodontinae

Serrapinnus Malabarba, 1998

S. kriegi (Schindler, 1937)
 first record from Uruguay
 published in Serra et al. (2018) [info](#)

subfamily Stevardiinae

tribus Eretmobryconini

Markiana Eigenmann, 1903

M. nigripinnis (Perugia, 1891)
Tetragonopterus anomalus is a jr. synonym
 published in Carvalho & Santos (2015) [info](#)
 synonym *Tetragonopterus anomalus* Steindachner, 1891

tribus Stevardiini

Pseudocorynopoma Perugia, 1891

P. stanleyi Malabarba, Chuctaya, Hirschmann, Oliveira & Thomaz, 2020
 first record from Uruguay
 published in Serra et al. (2021) [info](#) NEW

tribus Diapomini

Diapoma Cope, 1894

D. alburnum (Hensel, 1870)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015) [info](#)

D. alegretense (Malabarba & Weitzman, 2003)
 new combination from *Cyanocharax*

published in Thomaz et al. (2015)
 remarks not *alegretensis* as *Diapoma* is neuter

D. uruguayense (Messner, 1962)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)
 remarks not *uruguayensis* as *Diapoma* is neuter

order **GYMNOTIFORMES**

family **Apteronotidae**

Apteronotus Lacepède, 1800

A. ellisi (Alonso de Arámburu, 1957)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)
 original *Porotergus ellisi*

family **Gymnotidae**

Gymnotus Linnaeus, 1758

G. cuia Craig, Malabarba, Crampton & Albert, 2018
 new species from Argentina, Paraguay and Uruguay [info](#)
 published in Craig et al. (2018)

G. inaequilabiatus (Valenciennes, 1839)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013) sub *G. inaequilabiatus*

G. paraguensis Albert & Crampton, 2003
 first record from Uruguay [info](#)
 published in Craig et al. (2018)

order **SILURIFORMES**

family **Trichomycteridae**

subfamily Trichomycterinae

Scleronema Eigenmann, 1917

S. ibirapuíta Ferrer & Malabarba, 2020 NEW
 first record from Uruguay [info](#)
 published in Ferrer & Malabarba (2020)

S. macanuda Ferrer & Malabarba, 2020 NEW
 new species from Uruguay [info](#)
 published in Ferrer & Malabarba (2020)

S. minutum (Boulenger 1891) NEW
Pygidium angustirostris Devincenzi, 1942 is a jr. synonym [info](#)
 published in Ferrer & Malabarba (2020)

S. teiniagua Ferrer & Malabarba, 2020 NEW
 new species from Uruguay [info](#)
 published in Ferrer & Malabarba (2020)

subfamily Stegophilinae

Pseudostegophilus Eigenmann & Eigenmann, 1889

P. maculatus (Steindachner, 1879)
new combination from *Parastegophilus* [info](#)
published in DoNascimento (2015)

Trichomycteridae - species considered not to be distributed in Uruguay

Scleronema operculatum Eigenmann, 1917 | in LK | Ferrer & Malabarba (2020) [info](#) NEW

family **Callichthyidae**

subfamily Corydoradinae

Corydoras Lacepède, 1803

C. longipinnis Knaack, 2007
first record from Uruguay [info](#)
published in Paullier et al. (2019)
remarks Tencatt et al. (2016) listed preserved material of *C. cf. longipinnis*, probably referring to the same species.

C. paleatus (Jenyns, 1842)
remark correction of spelling: in CLOFFUY as *palaetus*

family **Loricariidae** Roxo et al. (2019)

subfamily Loricariinae

tribus Loricariini

Loricaria Linnaeus, 1758

L. simillima Regan, 1904
first record from Uruguay [info](#)
published in Serra et al. (2014) sub *Loricaria* aff. *simillima*

Loricariichthys Bleeker, 1862

L. platymetopon Isbrücker & Nijssen, 1979
first record from Uruguay [info](#)
published in Serra et al. (2014)

Rineloricaria Bleeker 1862

R. microlepidogaster (Regan, 1904)
first record from Uruguay [info](#)
published in Serra et al. (2014)
sub *Rineloricaria* aff. *microlepidogaster*

Loricariinae considered not to be distributed in Uruguay

Loricaria nudiventris Valenciennes, 1840 | in Litz & Koerber (2014) sub *Spatuloricaria n.* | Fichberg et al. (2014)

subfamily Hypostominae

tribus Hypostomini

Hemiancistrus Bleeker, 1862

H. punctulatus Cardozo & Malabarba, 1999
first record from Uruguay [info](#) NEW
published in Serra et al. (2020)

H. votouro Cardoso & da Silva, 2004
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

Hypostomus Lacepède, 1803

H. isbrueckeri Reis, Weber & Malabarba, 1990
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

H. roseopunctatus Reis, Weber & Malabarba, 1990
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

tribus Ancistrini

Ancistrus Kner, 1854

A. taunayi Miranda Ribeiro, 1918
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

subfamily Hypoptopomatinae

tribus *Otocinclus* clade

Otocinclus Cope, 1871

Otocinclus

O. vestitus Cope, 1872
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

tribus Hisonotini

Hisonotus Eigenmann & Eigenmann, 1889

H. armatus Carvalho, Lehmann, Pereira & Reis, 2008
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

family **Aspredinidae** Carvalho et al. (2019)

subfamily Aspredininae

tribus Bunocephalini

Xyliphius Eigenmann, 1912

X. barbatus Alonso de Arámburu & Arámburu, 1962
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

family **Auchenipteridae** Calegari et al. (2019)

subfamily Auchenipterinae

tribus Trachelyopterini

Trachelyopterus Valenciennes, 1840

T. galeatus (Linnaeus, 1766)

first record from Uruguay

published in Loureiro et al. (2013)

[info](#)

T. lucenai Bertoletti, Pezzi da Silva & Pereira, 1995

first record from Uruguay

published in Serra et al. (2014)

[info](#)

family

Heptapteridae

subfamily

Heptapterinae

tribus

Heptapterini

Heptapterus Bleeker 1858

H. sympterygium Buckup, 1988

first record from Uruguay

published in Loureiro et al. (2013)

sub *Heptapterus sympterygium*

[info](#)

Imparfinis Eigenmann & Norris, 1900

I. mishky Almirón, Casciotta, Bechara, Ruíz Díaz, Bruno, D'Ambrosio, Solimano & Soneira, 2007

first record from Uruguay

published in Serra et al. (2014)

[info](#)

family

Pimelodidae

Parapimelodus La Monte, 1933

P. nigribarbis (Boulenger, 1889)

Pimelodus nigribarbis Boulenger, 1889

first record from Uruguay

published in Loureiro et al. (2013)

[info](#)

Pimelodus Lacepède, 1803

P. argenteus Perugia, 1891

Pimelodus argenteus Perugia, 1891

Pimelodus brevis Marini, Nichols & La Monte, 1933

P. brevis is a jr. synonym

published in Rocha & Pavanelli (2014)

[info](#)

order

CICHLIFORMES

family

Cichlidae

subfamily

Cichlinae

Smith et al. (2008)

tribus

Geophagini

Gymnogeophagus Miranda Ribeiro, 1918

G. mekinos Malabarba, Malabarba & Reis, 2015

new species from Uruguay

published in Malabarba et al. (2015)

[info](#)

- G. peliochelynion*** Turcati, Serra-Alanis & Malabarba, 2018
 new species from Uruguay [info](#)
 published in Turcati et al. (2018)
- G. pseudolabiatus*** Malabarba, Malabarba & Reis, 2015
 new species from Uruguay [info](#)
 published in Malabarba et al. (2015)
- G. terrapurpura*** Loureiro, Zarucki, Malabarba & González-Bergonzoni, 2016
 new species from Uruguay [info](#)
 published in Loureiro et al. (2016)

tribus Cichlasomatini

Cichlasoma Swainson, 1839

- C. portalegrense*** (Hensel, 1870)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013) sub *C. portalegrensis*

order **ATHERINIFORMES**

family **Atherinopsidae**

subfamily Atherinopsinae

tribus Sorgentinini

Odontesthes Evermann & Kendall, 1906

- O. argentinensis*** (Valenciennes, 1835)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

order **CYPRINODONTIFORMES**

family **Rivulidae** Loureiro et al. (2018)

subfamily Cynolebiasinae

tribus Cynolebiasini

Austrolebias Costa, 1998

- A. affinis*** (Amato, 1986)
Austrolebias duraznensis is a jr. synonym [info](#)
 published in Serra et al. (2014)

- A. bellottii*** (Steindachner, 1881)
Austrolebias apaii is a jr. synonym [info](#)
 published in Calviño et al. (2016)

- A. cinereus*** (Amato, 1986)
Austrolebias vazferreirai is a jr. synonym [info](#)
 published in García et al. (2019)
 remarks This action also makes *A. nioni* a jr. synonym of *A. cinereus*.

A. queguay Serra & Loureiro, 2018
 new species from Uruguay [info](#)
 published in Serra & Loureiro (2018)

family **Anablepsidae**

subfamily Anablepsinae

Jenynsia Guenther, 1866

J. lineata (Jenyns, 1842)
Jenynsia multidentata is a junior synonym [info](#)
 published in Amorim (2018)

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Koerber, S., T.O. Litz & W.S. Serra (2021): CLOFFUY - update 4 - supplement to Checklist of the Freshwater Fishes of Uruguay. *Ichthyological Contributions of PecesCriellos* 78: 1-11

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support & grant

Since 2003 PecesCriellos is a long-term project supported by the [German Ichthyological Society](https://www.gfi.de/) (Gfi). This project, including the **ICP** journal, would not have been possible without Gfi's granting.

