

World Odonate List taxonomy

This list is hopefully going to be the reference work on the world's dragonfly species. It is maintained at the odonatacentral.org. The coordinating team is working under the [Slater Museum of Natural History](#).

I don't doubt that the ambitions with the list, and maintaining it, are similar to the ones shown in the birding world by the ebird team. But dragonflies are still less studied and many changes and new discoveries take place in these years. This reflects in the list, being rather simplistic, only listing the scientific names (many species don't have common names yet). The list also contains a column with synonyms, which is a logic approach giving that there still exist large confusion about which species, taxa, have been described several times by different authors. So for the moment that is where the odonate taxonomists are right now, trying to put together the overall skeleton of the existing species in the world.

Because of the lack of knowledge (and consensus perhaps) the species are only ordered by phylogeny at family level and above - all genera and species names are ordered alphabetically. From an aficionado point of view that is perfect, and I hope the decision will be to stay with this structure in the future.

Unfortunately the list and the changes made, only come in the raw format without comments to the changes made, why it is rather time consuming to maintain for me, also seen in the light of several monthly updates - compared to the single ebird update every year. Without academic interests I mainly use the list as a mean of communication between us who like these insects, so if you ask me, I wouldn't mind if they cut down on the frequency. I've mentioned the need for comments to John Abbott, one of the main forces behind the list, and a great odonate capacity, and he's assured me that the list will eventually come with change-comments, but apparently still not.

I'm only going to list changes to the list that refer to the 'active' species, why I will not comment on which synonyms exist with each species. I started this work late in 2023 why my comments will start from 2024, but I will mention the new species added in 2023 and major changes prior to 2023, that I come upon.

Before 2023

GENERA CHANGED:

Green-eyed Hawker (*Aeshna isoceles*)
Becomes *Isoaeschna isoceles*.

2023

ADDED SPECIES:

Perissolestes rupestris (Perilestidae) Florez, Bota-Sierra & Cano- Cobos
Protosticta armageddonia (Platystictidae) Chandran, Payra, Deshpande & Koparde
Protosticta samtsensis (Platystictidae) Gurung & Phan
Philogenia realpei (Philogeniidae) Cano-Cobos & Bota-Sierra
Dimeragrion baniwa (Heteragrionidae) Mendoza-Penagos, Gonçalves & Vilela
Heteragrion corderoi (Heteragrionidae) Vilela Lencioni & Bispo
Polythore albistriata (Polythoridae) Bota-Sierra & Sánchez Herrera
Metagrion annehueberae (Argiolestidae) Kalkman & Richards
Metagrion furcatum (Argiolestidae) Kalkman & Richards
Metagrion lopau (Argiolestidae) Kalkman & Richards
Metagrion pseudolamprostoma (Argiolestidae) Kalkman & Richards
Metagrion toxopeus (Argiolestidae) Kalkman & Richards
Nososticta boonei (Platycnemididae) Theischinger, Mitchell, Richards & Polhemus
Nososticta hedigeri (Platycnemididae) Theischinger, Mitchell, Richards & Polhemus
Nososticta peti (Platycnemididae) Kovács & Theischinger
Nososticta stueberi (Platycnemididae) Theischinger, Mitchell Richards & Polhemus
Nososticta tagula (Platycnemididae) Theischinger, Mitchell Richards & Polhemus
Argia koroivarum (Coenagrionidae) Vilela
Epipleoneura parmula (Coenagrionidae) Tennessen & Garrison
Minagrion veredae (Coenagrionidae) Vilela & Souza
Nesobasis baidamuensium (Coenagrionidae) Marinov & Rashni
Nesobasis nedeltshevae (Coenagrionidae) Marinov & Rashni
Nikoulabasis ilievae (Coenagrionidae) Marinov & Rashni
Nikoulabasis roseosticta (Coenagrionidae) Beatty, Rashni, Cordero-Rivera & Marinov
Telebasis nanae (Coenagrionidae) Lencioni
Tukanobasis huamantincoae (Coenagrionidae) Faasen
Gynacantha anandmati (Aeshnidae) Sawant & Kambli
Epithemis wayanadensis (Libellulidae) Chandran, Raju, Jose and Mirza
Sympetrum thailandensis (Libellulidae) Makbun

2024

ADDED SPECIES

- Protosticta khasia** (Platystictidae) Joshi & Sarkar (2024)
Protosticta sexcolorata (Platystictidae) Chandran, Muneer, Madhavan & Jose (2024)
Yunnanosticta siangi (Platystictidae) Joshi, Sawant & Kunte (2024)
Polythore vexilla (Polythoridae) Tennessen (2024)
Devadatta adii (Devadattidae) Joshi, Sawant & Kunte (2024)
Philosina nigromacula (Philosinidae) Yu & Jin (2024)
Melanoneura agasthyamalaica (Platycnemididae) Chandran x 2, Jose & Koparde (2024)
Phylloneura rupestris (Platycnemididae) Chandran, Chandran & Jose (2024)
Prodasineura humeralis (Platycnemididae) Selys (1860)
Prodasineura sangkhla (Platycnemididae) Keetapithchayakul, Makbun, Ignatius & Phan (2024)
Acanthagrion ambiguum (Coenagrionidae) Ris (1904)
Aciagrion paludense (Coenagrionidae) Fraser (1922)
Argia sertaneja (Coenagrionidae) Vilela & Souza (2024)
Fiery Coraltail (Ceriagrion chaoi) (Coenagrionidae) Schmidt (1964)
Rusty Marsh Dart (Ceriagrion olivaceum) (Coenagrionidae) Laidlaw (1914)
Cyanallagma demoiselle (Coenagrionidae) Denck, Ehlert & Pinto (2023)
Nesobasis albistigma (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis auricularis (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis latistyla (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis polhemusi (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis rubra (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis seidenbuschi (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis tillyardi (Coenagrionidae) Donnelly & Marinov (2024)
Nesobasis viridis (Coenagrionidae) Donnelly & Marinov (2024)
Nikoulabasis crassa (Coenagrionidae) Donnelly & Marinov (2024)
Nikoulabasis furcifer (Coenagrionidae) Donnelly & Marinov (2024)
Plagulibasis richardsi (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis aurantiaca (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis caelestis (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis fragillima (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis glossa (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis livida (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis marginata (Coenagrionidae) Theischinger & Orr (2024)
Teinobasis wau (Coenagrionidae) Theischinger & Orr (2024)
Aeshna septentrionalis (Aeshnidae) Martin (1908)
Anax insulanus (Aeshnidae) Theischinger, Kalnins & Marinov (2024)
Anax celebense (Aeshnidae) Lieftinck (1942)
Anax tonga (Aeshnidae) Theischinger, Kalnins & Marinov (2024)

Anotogaster kuchenbeiseri (Cordulegastridae) Förster (1899)
Macromia kannharaiensis (Macromiidae) Dalvi, Koli & Thakur (2024)
Calesynthemis jeanlegrandi (Synthemistidae) Fleck (2024)
Gomphomacromia signata (Synthemistidae) Tennessen (2024)
Aeschnosoma yelenae (Corduliidae) Fleck & Mézière (2024)
Lyriothemis lucifera (Libellulidae) Seehausen & Dawn (2024)
Malgassophlebia baaka (Libellulidae) Derozier (2024)
Sympetrum janeae (Libellulidae) Carle (1933)
Neocordulia maurocostai (INCERTAE SEDIS - Anisoptera) De Marmels (2024)

DELETED SPECIES

Lestes fernandoi (Lestidae)
Synonym of *Lestes debellardi*.

Lestes tikalus (Lestidae)
Synonym of *Lestes scalaris*.

Palaemnema brasiliensis (Platystictidae)
Synonym of *Palaemnema brevignoni*.

Hetaerina aurora (Calopterygidae)
Synonym of *Hetaerina duplex*.

Hetaerina hebe (Calopterygidae)
Synonym of *Hetaerina longipes*.

Mnesarete mariana (Calopterygidae)
Synonym of *Mnesarete guttifera*.

Prodasineura humeralis (Platycnemididae)
Synonym of *Prodasineura verticalis*.

Acanthagrion ambiguum (Coenagrionidae)
Added as a new species in version 2024-11-15, but disappeared in version 2024-11-24, most likely because it was a synonym of *Argentagrion ambiguum* (?)

Agriocnemis materna (Coenagrionidae)
Synonym of *Agriocnemis femina*.

Austrotepuibasis alvarengai (Coenagrionidae)

Synonym of *Tepuibasis demarmelsi*.

Austrotepuibasis manolisi (Coenagrionidae)

Synonym of *Tepuibasis demarmelsi*.

Leptagrion auriceps (Coenagrionidae)

Synonym of *Leptagrion macrurum*.

Oxyagrion bruchi (Coenagrionidae)

Synonym of *Oxyagrion ablutum*.

Anotogaster antehumeralis (Cordulegastridae)

Synonym of *Anotogaster kuchenbeiseri*.

Anotogaster cornutifrons (Cordulegastridae)

Synonym of *Anotogaster kuchenbeiseri*.

Anotogaster xanthoptera (Cordulegastridae)

Synonym of *Anotogaster gregoryi*.

Anotogaster flaveola (Cordulegastridae)

Synonym of *Anotogaster klossi*.

Macromia berlandi (Macromiidae)

Synonym of *Macromia cupricincta*.

Macromia clio (Macromiidae)

Synonym of *Macromia amphigena*.

Macromia kubokaiya (Macromiidae)

Synonym of *Macromia amphigena*.

Macromia pyramidalis (Macromiidae)

Synonym of *Macromia pinratani*.

Somatochlora lingyinensis (Corduliidae)

Synonym of *Somatochlora viridiaenea*.

Somatochlora shanxiensis (Corduliidae)

Synonym of *Somatochlora uchidai*.

Somatochlora shennong (Corduliidae)

Synonym of *Somatochlora dido*.

Somatochlora taiwana (Corduliidae)

Synonym of *Somatochlora dido*.

Crocothemis crocea (Libellulidae)
Synonym of *Crocothemis servilia*.

Calophlebia interposita (Libellulidae)
Synonym of *Calophlebia karschi*.

GENERA CHANGED

Austrotepuibasis demarmelsi (Coenagrionidae)
Becomes *Tepuibasis demarmelsi*.

Enallagma maldivense (Coenagrionidae)
Becomes *Aciagrion maldivense*.

Fredyagrion aculeatum (Coenagrionidae)
Becomes *Leptagrion aculeatum*.

Fredyagrion afonsoi (Coenagrionidae)
Becomes *Leptagrion afonsoi*.

Fredyagrion andromache (Coenagrionidae)
Becomes *Leptagrion andromache*.

Fredyagrion capixabae (Coenagrionidae)
Becomes *Leptagrion capixabae*.

Fredyagrion dispar (Coenagrionidae)
Becomes *Leptagrion dispar*.

Fredyagrion elongatum (Coenagrionidae)
Becomes *Leptagrion elongatum*.

Fredyagrion itabaiana (Coenagrionidae)
Becomes *Leptagrion itabaiana*.

Fredyagrion jeromei (Coenagrionidae)
Becomes *Leptagrion jeromei*.

Fredyagrion lencioninetoi (Coenagrionidae)
Becomes *Leptagrion lencioninetoi*.

Fredyagrion siqueirai (Coenagrionidae)
Becomes *Leptagrion siqueirai*.

Fredyagrion vriesianum (Coenagrionidae)

Becomes Leptagrion vriesianum.

Homeoura sobrina (Coenagrionidae)

Becomes Ischnura sobrina. And author data changed from Schmidt (1942) to Schmidt (1943).

Juenagrion igapocola (Coenagrionidae)

Becomes Telebasis igapocola.

Juenagrion leptocyclia (Coenagrionidae)

Becomes Telebasis leptocyclia.

Juenagrion nanae (Coenagrionidae)

Becomes Telebasis nanae.

Juenagrion selaopyge (Coenagrionidae)

Becomes Telebasis selaopyge.

Kiautagrion acutum (Coenagrionidae)

Becomes Leptagrion acutum.

Leptagrion croceum (Coenagrionidae)

Becomes Tuberculobasis croceum.

Machadagrion cyanostigma (Coenagrionidae)

Becomes Leptagrion cyanostigma.

Machadagrion dardanoi (Coenagrionidae)

Becomes Leptagrion dardanoi.

Machadagrion garbei (Coenagrionidae)

Becomes Leptagrion garbei.

Millotagrion inaequistigma (Coenagrionidae)

Becomes Aciagrion inaequistigma.

Nathaliagrion perlongum (Coenagrionidae)

Becomes Leptagrion perlongum.

Nathaliagrion porrectum (Coenagrionidae)

Becomes Leptagrion porrectum.

Pseudotepuibasis garrisoni (Coenagrionidae)

Becomes Tepuibasis garrisoni.

Aeshna brevistyla (Aeshnidae)
Becomes Adversaeschna brevistyla.

Malgassogomphus robinsoni (Gomphidae)
Becomes Isomma robinsoni.

Cordulegaster amasina (Cordulegastridae)
Becomes Thecagaster amasina.

Cordulegaster bidentata (Cordulegastridae)
Becomes Thecagaster bidentata.

Cordulegaster bilineata (Cordulegastridae)
Becomes Zoraena bilineata.

Cordulegaster brevistigma (Cordulegastridae)
Becomes Thecagaster brevistigma.

Cordulegaster buchholzi (Cordulegastridae)
Becomes Thecagaster buchholzi.

Cordulegaster charpentieri (Cordulegastridae)
Becomes Thecagaster charpentieri.

Cordulegaster cilicia (Cordulegastridae)
Becomes Thecagaster cilicia.

Cordulegaster coronata (Cordulegastridae)
Becomes Thecagaster coronata.

Cordulegaster helladica (Cordulegastridae)
Becomes Thecagaster helladica.

Cordulegaster diastatops (Cordulegastridae)
Becomes Zoraena diastatops.

Cordulegaster dorsalis (Cordulegastridae)
Becomes Zoraena dorsalis.

Cordulegaster erronea (Cordulegastridae)
Becomes Zoraena erronea.

Cordulegaster insignis (Cordulegastridae)
Becomes Thecagaster insignis.

Cordulegaster maculata (Cordulegastridae)

Becomes *Zoraena maculata*.

Cordulegaster mzymtae (Cordulegastridae)

Becomes *Thecagaster mzymtae*.

Cordulegaster obliqua (Cordulegastridae)

Becomes *Zoraena obliqua*.

Cordulegaster sarracenia (Cordulegastridae)

Becomes *Zoraena sarracenia*.

Cordulegaster sayi (Cordulegastridae)

Becomes *Zoraena sayi*.

Cordulegaster talaria (Cordulegastridae)

Becomes *Zoraena talaria*.

Neallogaster pekinensis (Cordulegastridae)

Becomes *Thecagaster pekinensis*.

Synthemis macrostigma (Synthemistidae)

Becomes *Archaeosynthemis macrostigma*.

SPECIES NAME CHANGED

Nososticta selysi (*Nososticta selysi*)

Becomes *Nososticta selysii*.

Nesobasis baidamuensium (*Nesobasis baidamuensium*)

Becomes *Nesobasis badamuensium*.

Macromia pinratani (*Macromia pinratani*)

Becomes *Macromia pyramidalis* after a precedence call. Author changing from Asahina (1983) to

2025

ADDED SPECIES

Archaeopodagrion oelmannae (Philogeniidae) Bota-Sierra (2025)
Euphaea wayanadensis (Euphaeidae) Anooj, Susanth & Sadasivan (2025)
Enallagma tobagoensis (Coenagrionidae) Donnelly & Michalski (2025)
Nikoulabasis dalingarum (Coenagrionidae) Marinov, Donnelly & Beatty (2025)
Pseudagrion acutidens (Coenagrionidae) Seehausen, Kalkman & Bedjanič (2025)
Pseudagrion declaratum (Coenagrionidae) Lieftinck (1936)
Pseudagrion deflexum (Coenagrionidae) Lieftinck (1936)
Pseudagrion enganoense (Coenagrionidae) Lieftinck (1948)
Pseudagrion halmaherae (Coenagrionidae) Seehausen, Kalkman & Bedjanič (2025)
Pseudagrion igneum (Coenagrionidae) Seehausen, Kalkman & Bedjanič (2025)
Pseudagrion nigrihumeralae (Coenagrionidae) Seehausen, Kalkman & Bedjanič (2025)
Pseudagrion obscurum (Coenagrionidae) Lieftinck (1936)
Pseudagrion simalurum (Coenagrionidae) Lieftinck (1948)
Merogomphus aryanadensis (Gomphidae) Chandran A.V., Chandran R., Sawant & Jose (2025)
Merogomphus flavoreductus (Gomphidae) Chandran A.V., Chandran R., Sawant & Jose (2025)
Chlorogomphus serratus (Chlorogomphidae) Karube, Katatani & Phan (2024)
Macromia clio (Macromiidae) Ris (1916)
Macromia fraenata (Macromiidae) Martin (1906)
Macromia kubokaiya (Macromiidae) Asahina (1964)
Macromia miniata (Macromiidae) Fraser (1924)
Navicordulia tangoyi (Corduliidae) Fleck & Haber (2025)

DELETED SPECIES

Anomalophlebia nitida (Anomalophlebia nitida) [Gomphidae]
 Synonym of *Desmogomphus tigrivensis*.

Macromia hamata (*Macromia hamata*) [Macromiidae]
 Synonym of *Macromia manchurica*.

SPECIES NAME CHANGED

Nesobasis badamuensium (*Nesobasis badamuensium*)
 Changed from *N. baidamuensium* in 2024, now changed back!: *Nesobasis baidamuensium*.

GENUS CHANGED

Nesobasis aurantiaca (*Nesobasis aurantiaca*)
 Is now *Nikoulabasis aurantiaca*.

Nesobasis martina (Nesobasis martina)

Is now Nikoulabasis martina.

Didymops floridensis (Didymops floridensis)

Is now Macromia floridensis.

Didymops transversa (Didymops transversa)

Is now Macromia transversa.