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Cover: Indian Grey Wolf *Canis lupus pallipes* and Smooth-coated Otter *Lutrogale perspicillata* sharing the territory in Chambal basin. Digital art on Procreate by Aakanksha Komanduri.



An annotated district-wise account of Odonata (Dragonflies and Damselflies) from Uttarakhand, India

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Abstract: This study presents a list of 135 odonate species recorded from Uttarakhand, based on an extensive and critical review of published literature. Notes on the present status of some recorded taxa are included. The documented diversity includes 15 families and 73 genera, comprising 84 species of Anisoptera and 51 species of Zygoptera. Among the districts, Dehradun has the highest recorded species richness, followed by Nainital and Pauri Garhwal. Five species recorded are endemic to India. The majority of species are categorized as 'Least Concern' on the IUCN Red List, with a small proportion listed as 'Data Deficient' or 'Near Threatened'. The list also provides an account of ecological assessments and biogeographical comparisons in the region.

Keywords: Anisoptera, checklist, distribution, diversity, endemism, nomenclatural changes, taxonomic revisions, western Himalaya, Zygoptera.

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Author contribution: MKA—supervision, conceptualization, formal analysis and writing original draft; MM—review of literature and writing of original draft

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INTRODUCTION

The order Odonata, comprising the dragonflies and damselflies, represents one of the most ancient and ecologically significant groups of insects (Kohli et al. 2020). There are two main suborders, Anisoptera and Zygoptera, along with Anisozygoptera, a relic group closer to Anisoptera but exhibiting intermediate features (Subramanian & Babu 2020), often placed in its own suborder. Paulson et al. (2026) recognise 6,485 species in 823 genera globally. Of these, India is home to 504 species, in 157 genera representing 17 families (Subramanian & Babu 2024). Odonates serve multiple ecological roles such as predators and prey, and many species are recognized as sensitive bioindicators of freshwater ecosystem health due to their intolerance to pollution and habitat degradation (Samways & Steytler 1996; Kadoya et al. 2004; Weisser & Siemann 2004; Oertli 2008; Ali & Niaz 2011; May 2019). The Indian Himalayan region, including Uttarakhand, offers a unique mosaic of habitats such as rivers, streams, wetlands, forests, and high-altitude lakes that host diverse odonate fauna. However, studies documenting Odonata diversity in Uttarakhand remain limited. Regional studies that have contributed to our knowledge of Odonata diversity in Uttarakhand include: Prasad & Singh (1976), Prasad & Singh (1995), Kumar & Mitra (1998), Mitra (2000), Vashishth et al. (2002), Farooq & Arya (2018), and De et al. (2021), yet no comprehensive study has been conducted to evaluate species composition and distribution across all the districts of the state. Hence, the present study aims to systematically document and list the Odonata of Uttarakhand.

MATERIALS AND METHODS

Study area

The present review focuses on the western Himalayan Indian state of Uttarakhand. The state covers an area of approximately 53,483 km² (1.63% of India's total geographical area) and is situated between 28.716–31.466 °N and 77.566–81.05 °E. Uttarakhand shows considerable altitudinal variation, ranging from about 100 m in the Tarai plains to 7,816 m at Nanda Devi peak. The region receives an average annual rainfall of nearly 1,500 mm, and temperatures range from below 0 °C at higher elevations to around 43 °C in the plains. Administratively, the state comprises two sub-divisions: Garhwal (seven districts) and Kumaon (six districts), and includes the Trans-Himalayan, Greater Himalayan, Lesser

Himalayan, Bhabar, and Tarai physiographic zones. Table 1 presents the districts of the two administrative divisions of Uttarakhand along with their geographic and meteorological attributes.

The present list of Odonata (dragonflies and damselflies) of Uttarakhand was compiled by an extensive review of existing scientific literature. This included many publications, including: Fraser (1933, 1934, 1936), Prasad & Singh (1976), Singh & Prasad (1976), Kumar & Prasad (1981), Kumar (1982), Bisht & Das (1988), Kaushal & Joshi (1988), Hämäläinen (1989), Kumar (1995), Mitra (1999, 2000), Joshi et al. (2002, 2004, 2008), Vashishth et al. (2002), Kumar & Sharma (2003), Tewari & Kaushal (2007), Dev et al. (2009), Prasad & Mondal (2010), Prasad & Sinha (2010), Arya (2015), Subramanian & Babu (2017), Farooq & Arya (2018), Husain (2018), Verma & Arya (2020), Arya et al. (2021, 2023, 2024), De et al. (2021), and Singh (2022). It should be noted that several locality records reported by Fraser are expressed in broad geographical terms (e.g., “Kumaon”, “Dehra Dun”), which do not always correspond to present-day administrative districts. Such records have therefore been interpreted cautiously when assigning district-level distributions in the present study. The taxonomic status and systematic position of all recorded species were verified and updated according to the modern classification system first established by Dijkstra et al. (2013), while the taxonomic updates, including species revisions and nomenclatural changes, were incorporated based on online databases, namely the World Odonata List (Paulson et al. 2026) and iNaturalist (2025), and recent revisions. The global conservation status of each species was based on the IUCN Red List of Threatened Species (IUCN 2025). Information on the endemic status of the species was derived from Kalkman et al. (2020).

The presence of each species in various districts was catalogued based on records from the published literature. These data were organized into tables to facilitate a comparison of species diversity and distribution across all districts of Uttarakhand. The compiled data were analyzed to quantify the odonate diversity of Uttarakhand. The present analysis focuses on species-level diversity. In cases where the literature reported infra-specific taxa (e.g., *Neurobasis chinensis chinensis*), these records were catalogued alongside their specific localities. However, for the purpose of calculating total species richness and conducting comparative analyses, all named subspecies were subsumed under their respective nominal species (e.g., *Neurobasis chinensis*). This species-level enumeration approach prevents taxonomic inflation in diversity metrics and

ensures that the results are comparable with other odonatological studies that may not recognize or may treat these infra-specific categories differently. Thus, a species is counted only once, regardless of the number of its subspecies reported within the state.

RESULTS AND DISCUSSION

Species Richness and Taxonomic Composition

A total of 135 species of Odonata were documented from Uttarakhand (Table 2). These are distributed across two suborders, 15 families, and 73 genera. Suborder Zygoptera (Damselflies) comprised 51 species (37.8%), belonging to eight families. The most speciose family within Zygoptera was Coenagrionidae with 20 species, followed by Platycnemididae (11 species), Lestidae (6 species), Chlorocyphidae (7 species), Euphaeidae (3 species), Platystictidae (2 species), Calopterygidae (1 species) and Synlestidae (1 species). Suborder Anisoptera (Dragonflies) was represented by 84 species (62.2%), spread across seven families. The family Libellulidae dominated with 46 species, making it the most species-rich family overall. Other families included Gomphidae (18 species), Aeshnidae (10 species), Cordulegastridae (6 species), Macromiidae (2 species), Chlorogomphidae (1 species), and Corduliidae (1 species). Overall, Libellulidae contributed the highest recorded odonate

fauna of Uttarakhand with 46 species (34.1% of the total odonate fauna of Uttarakhand) (Image 1).

District-wise Distribution

The distribution analysis revealed marked variation across districts. Dehradun emerged as the most species-rich district, with 103 species, representing 76.3% of the total odonate fauna of Uttarakhand. Other high-diversity districts included Nainital (76 species), Pauri Garhwal (55 species), and Uttarkashi (42 species). On the other hand, districts such as Champawat (16 species), Rudraprayag (8 species), and Udham Singh Nagar (3 species) recorded comparatively lower diversity, likely reflecting low sampling effort rather than actual low diversity (Image 2).

Dominant and Widespread Species

Several common and widespread species were also widely distributed across the state, occurring in eight or more districts. These included: *Orthetrum taeniolatum* (12 districts), *Orthetrum glaucum* (11 districts), *Orthetrum pruinatum* (11 districts), *Orthetrum sabina* (11 districts), *Crocothemis servilia* (10 districts), *Orthetrum triangulare* (10 districts), *Pantala flavescens* (10 districts), *Trithemis festiva* (10 districts), *Ischnura forcipata* (9 districts), *Palpopleura sexmaculata* (9 districts), *Paracypha unimaculata* (9 districts), *Anisopleura comes* (8 districts), *Ischnura rubilio* (8

Table 1. Geographic and meteorological attributes of the districts belonging to the two divisions of Uttarakhand (G.B. Pant National Institute of Himalayan Environment 2020; Forest Survey of India 2023; Arya et al. 2025a,b; NASA 2025).

Division	Districts	Elevational range (in m)	Total Geographical Area (GA) (in km ²)	Total Forest Area (FA) (in km ²)	Average monthly temperature (2020-2024) (in °C)	Average monthly humidity (2020-2024) (in %)	Average monthly rainfall (2020-2024) (in mm/day)	No. of odonate species
Garhwal	Chamoli	698–7,512	8030	2,641.30	5.90	63.92	80.17	27
	Rudraprayag	576–6,741	1,984	1,146.61	12.46	61.83	107.88	08
	Tehri Garhwal	335–6,596	3,642	2,222.68	12.46	61.84	107.88	38
	Pauri Garhwal	253–3,097	5,329	3,360.55	17.96	61.23	111.94	55
	Uttarkashi	697–6,903	8,016	3,023.86	-0.49	70.86	79.88	42
	Dehradun	290–3,185	3,088	1,640.30	16.81	61.59	124.16	103
	Haridwar	222–870	2,360	564.76	22.29	57.98	111.59	19
Kumaon	Almora	482–2,744	3,144	1,722.96	19.42	59.51	107.43	40
	Nainital	210–2,623	4,251	2,866.55	19.42	59.51	107.44	76
	Champawat	260–2,174	1,766	1,219.39	16.98	62.07	115.10	16
	Bageshwar	220–2,159	2,241	1,263.37	11.90	61.28	92.91	17
	Udham Singh Nagar	181–387	2,542	494.17	24.2	56.61	100.57	03
	Pithoragarh	428–6,895	7,090	2,137.33	5.88	67.71	78.23	33

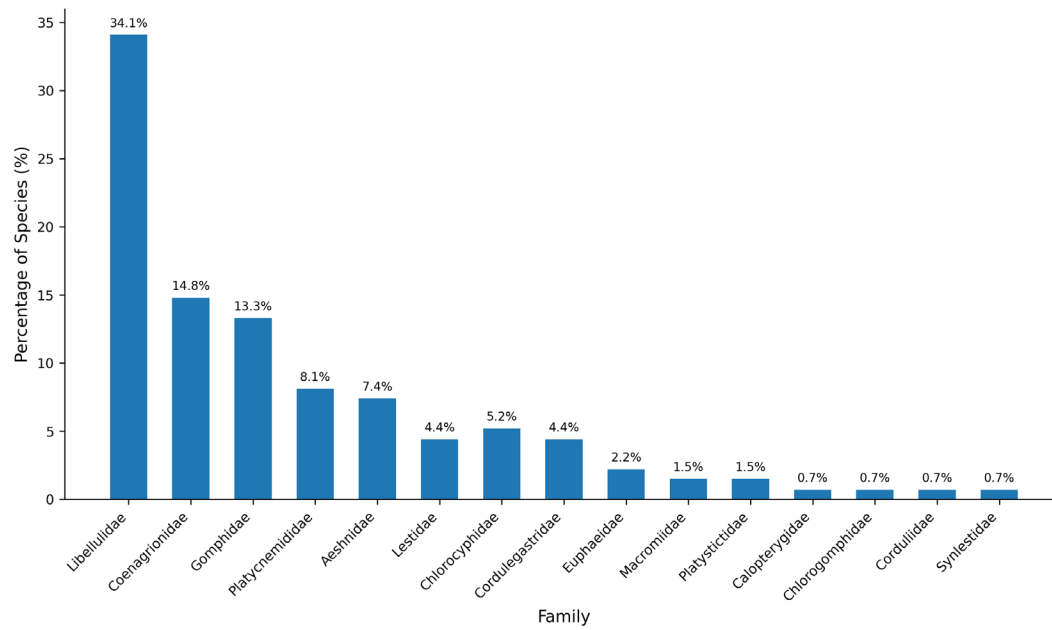


Image 1. Species richness of Odonata in Uttarakhand by family.

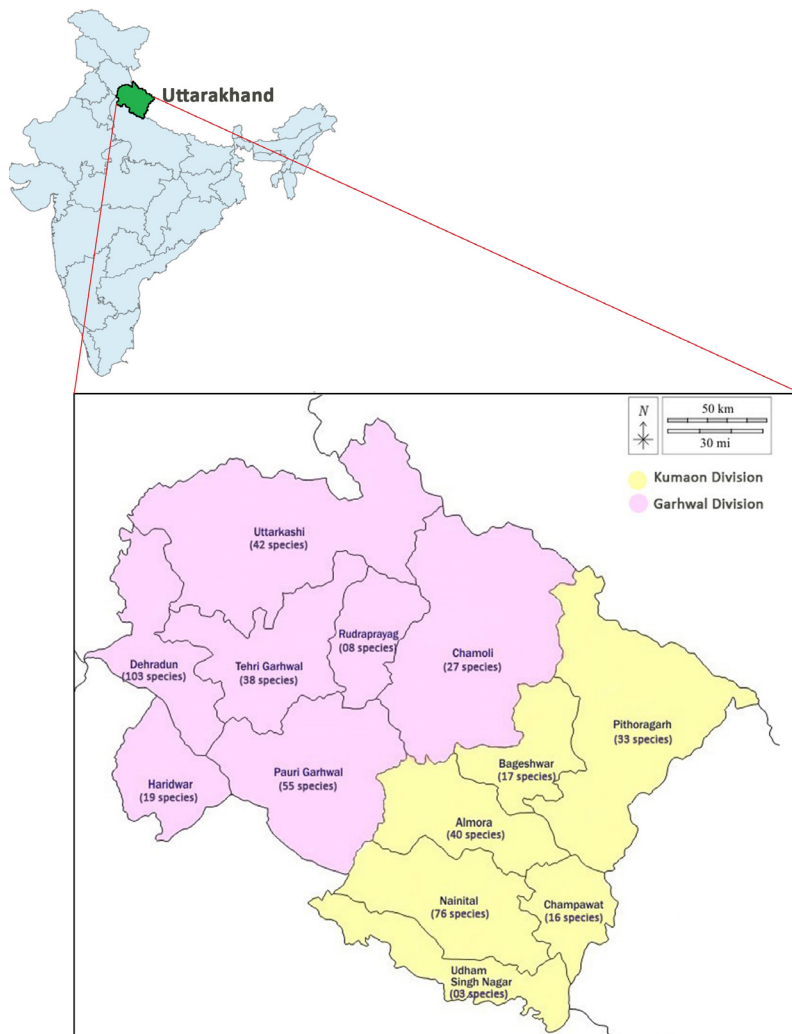


Image 2. Species richness of Odonata in Uttarakhand by district.

Table 2. List of significant Odonata records from Uttarakhand.

	Species composition	Common name	Distribution	Altitudinal range (in m)	Recent/ Old confirmation by authors	Global IUCN Red List status	Endemic status
I. Odonata: ZYGOPTERA							
1. Superfamily: Lestoidea Calvert, 1901							
i. Family: Synlestidae Tillyard, 1917							
Genus: Megalestes							
1	<i>Megalestes major</i> Selys, 1862	Giant Green Spreadwing	DDN, NTL, AL, PTG, CML	700–3,000	Fraser (1933), Kumar & Prasad (1981), Kumar (1982), Hämäläinen (1989), Husain (2018), Arya et al. (2021), De et al. (2021), Farooq & Arya (2018), Arya et al. (2024), Kumar (1995), Prasad & Mondal (2010),	LC	
ii. Family: Lestidae Calvert, 1901							
Genus: Indolestes							
2	<i>Indolestes cyaneus</i> (Selys, 1862)	Blue Reedling	DDN, NTL, UTK		De et al. (2021), Prasad & Mondal (2010), Singh (2022)	LC	
Genus: Lestes							
3	<i>Lestes concinnus</i> Hagen in Selys, 1862	Dusky Spreadwing	DDN, NTL		De et al. (2021), Singh (2022)	LC	
4	<i>Lestes decipiens</i> Kirby, 1893		DDN, UTK		De et al. (2021), Husain (2018), Prasad & Mondal (2010)	NE	
5	<i>Lestes thoracicus</i> Laidlaw, 1920		DDN		Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010)	LC	
6	<i>Lestes umbrinus</i> Selys, 1891	Brown Spreadwing	UKD		Prasad & Mondal (2010)	DD	
7	<i>Lestes viridulus</i> Rambur, 1842	Emerald-striped Spreadwing	DDN, PG, NTL	0–1,000	De et al. (2021), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
2. Superfamily: Platystictoidea Kennedy, 1920							
iii. Family: Platystictidae Kennedy, 1920							
Genus: Drepanosticta							
8	<i>Drepanosticta carmichaeli</i> (Laidlaw, 1915)	Himalayan Shadowdamsel or Indo-Chinese Blue Reedtail	DDN, CML, PG, TG, UTK, AL	350–2,100	De et al. (2021), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
Genus: Protosticta							
9	<i>Protosticta davenporti</i> Fraser, 1931	Anamalai Reedtail	UKD		Prasad & Mondal (2010)	LC	EN IND
3. Superfamily: Calopterygoidea Selys, 1850							
iv. Family: Calopterygidae Selys, 1850							
Genus: Neurobasis							
10	<i>Neurobasis chinensis</i> (Linnaeus, 1758)	Green Metalwing or Stream Glory	DDN, PG, TG, NTL, AL, PTG, CPT, UTK		De et al. (2021), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Arya et al. (2024), Arya et al. (2023)	LC	
	<i>Neurobasis chinensis chinensis</i> (Linnaeus, 1758)		DDN, PG, TG, NTL, PTG, UTK		Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
v. Family: Chlorocyphidae Cowley, 1937							
Genus: Aristocypha							
11	<i>Aristocypha fenestrella</i> Rambur, 1842	Peacock Jewel	NTL, CPT		Arya et al. (2024), Arya et al. (2023)	LC	
12	<i>Aristocypha quadrimaculata</i> (Selys, 1853)	Lesser Black Jewel or Black Emperor	DDN, HD, PG, TG, NTL, BG, AL, CPT, UTK	300–1,400	De et al. (2021), Husain (2018), Prasad & Singh (1976), Vashishth et al. (2002), Arya et al. (2024), Arya et al. (2023), Kumar (1995), Prasad & Mondal (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
13	<i>Aristocypha spuria</i> Selys, 1879	Greater Black Jewel	NTL		Kumar (1995), Prasad & Mondal (2010)	LC	

	Species composition	Common name	Distribution	Altitudinal range (in m)	Recent/ Old confirmation by authors	Global IUCN Red List status	Endemic status
14	<i>Aristocypha trifasciata</i> (Selys, 1853)	Three-banded Emerald Jewel	DDN, PG, TG, NTL, BG, AL, PTG	600–1,700	De et al. (2021), Husain (2018), Kumar (1982), Kumar (1995), Prasad & Mondal (2010)	LC	
Genus: <i>Heliocypha</i>							
15	<i>Heliocypha biforata</i> (Selys, 1859)	Magenta Jewel	DDN, PG		De et al. (2021), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995)	LC	
Genus: <i>Libellago</i>							
16	<i>Libellago lineata</i> spp. (Burmeister, 1839)	Golden Gem or River Heliodor	DDN, PG, NTL, UDM	0–920	De et al. (2021), Singh (2022)	LC	
	<i>Libellago lineata lineata</i> (Burmeister, 1839)		DDN, PG, NTL		Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
Genus: <i>Paracypha</i>							
17	<i>Paracypha unimaculata</i> (Selys, 1853)		DDN, PG, TG, NTL, AL, PTG, UTK, CML, BG	440–1,800	De et al. (2021), Husain (2018), Prasad & Singh (1976), Arya et al. (2023), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
vi. Family: Euphaeidae Yakobson & Bianchi, 1905							
Genus: <i>Anisopleura</i>							
18	<i>Anisopleura comes</i> Hagen, 1880	Himalayan Mountaintart	DDN, TG, PTG, CML, AL, NTL, PG, UTK	400–2,600	De et al. (2021), Husain (2018), Kumar (1982), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
19	<i>Anisopleura lestoides</i> Selys, 1853	Indian Mountaintart	DDN, PG, NTL, BG, CML, AL, UTK	640–2,500	De et al. (2021), Hämäläinen (1989), Husain (2018), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Bayadera</i>							
20	<i>Bayadera indica</i> (Selys, 1853)	Indian Velveteen	DDN, PG, TG, NTL, AL, CML, UTK		De et al. (2021), Husain (2018), Prasad & Singh (1976), Arya et al. (2021), Arya et al. (2024), Kumar (1995), Prasad & Mondal (2010), Kumar & Prasad (1981)	LC	
vii. Family: Platynemididae Yakobson & Bianchi, 1905							
Genus: <i>Calicnemia</i>							
21	<i>Calicnemia doonensis</i> ssp. Sangal & Tyagi, 1984	Doon Oread	DDN, HD, TG, UTK	350–1,700	Singh (2022)	LC	
	<i>Calicnemia doonensis doonensis</i> Sangal & Tyagi, 1984		DDN		De et al. (2021), Hämäläinen (1989), Husain (2018)		
22	<i>Calicnemia eximia</i> Selys, 1863	Scarlet Oread or Scarlet Openwing	DDN, NTL, TG, AL, PTG, CML, UTK	300–2,900	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Kumar (1995), Prasad & Mondal (2010), Kumar & Prasad (1981)	LC	
23	<i>Calicnemia miles</i> (Laidlaw, 1917)	Red Oread	DDN, PG, TG, PTG, CML, UTK		De et al. (2021), Husain (2018), Prasad & Singh (1976), Kumar (1995), Kumar & Prasad (1981)	LC	
24	<i>Calicnemia mortoni</i> (Laidlaw, 1917)		NTL		Kumar (1995), Prasad & Mondal (2010), Kumar & Prasad (1981)	LC	
25	<i>Calicnemia pulverulans</i> (Selys, 1886)	Powdery Oread	TG, AL, UTK, CML, DDN		Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Coeliccia</i>							
26	<i>Coeliccia renifera</i> (Selys, 1886)	Kidney-spotted Sylvan	AL	410–1,830	Kumar (1995), Prasad & Mondal (2010), Kumar & Prasad (1981)	LC	
Genus: <i>Pseudocopera</i>							
27	<i>Pseudocopera ciliata</i> (Selys, 1863)	Black-kneed Featherleg or Pied Bush Dart	UKD		Prasad & Mondal (2010)	LC	
Genus: <i>Copera</i>							
28	<i>Copera marginipes</i> (Rambur, 1842)	Yellow Featherleg, Yellow Bush Dart, Yellow Rimmed Featherleg	DDN, PG, NTL, UDM	0–900	De et al. (2021), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	

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29	<i>Copera vittata</i> ssp. Selys, 1863	Blue Bush Dart	DDN	0–1,100	Prasad & Singh (1976), Kumar (1995), Kumar & Prasad (1981)	LC	
	<i>Copera vittata serapica</i> Selys, 1863		DDN		Husain (2018), Prasad & Mondal (2010)		
Genus: <i>Elatoneura</i>							
30	<i>Elatoneura campioni</i> ssp. (Fraser, 1922)		DDN		De et al. (2021), Prasad & Mondal (2010)	DD	
	<i>Elatoneura campioni campioni</i> (Fraser, 1922)	Blue Threadtail			Singh (2022)		
Genus: <i>Prodasineura</i>							
31	<i>Prodasineura autumnalis</i> (Fraser, 1922)	Black Threadtail	DDN, NTL		De et al. (2021), Prasad & Mondal (2010), Singh (2022)	LC	
4. Superfamily: Coenagrionoidea Kirby, 1890							
viii. Family: Coenagrionidae Kirby, 1890							
Genus: <i>Aciagrion</i>							
32	<i>Aciagrion pallidum</i> Selys, 1891	Pale Slender Dartlet	NTL, BG, PTG, PG		Kumar (1982), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Agriocnemis</i>							
33	<i>Agriocnemis clauseni</i> Fraser, 1922	Blue-spotted Wisp	DDN, NTL, PG	200–640	De et al. (2021), Mitra (2000), Meena & Sharma (2025), Kumar & Sharma (2003), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
34	<i>Agriocnemis pygmaea</i> (Rambur, 1842)	Wandering Wisp	DDN, NTL, PG, TG, BG, AL, UTK	0–1,700	De et al. (2021), Hamalainen (1989), Husain (2018), Kumar & Sharma (2003), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
Genus: <i>Amphiallagma</i>							
35	<i>Amphiallagma parvum</i> (Selys, 1876)	Azure Dartlet or Little Blue	DDN, NTL, CPT		De et al. (2021), Hamalainen (1989), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
Genus: <i>Ceriagrion</i>							
36	<i>Ceriagrion cerinorubellum</i> (Brauer, 1865)	Orange-tailed Marsh Dart or Painted Waxtail	DDN	0–250	De et al. (2021), Kumar & Sharma (2003), Mitra (2000), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Kumar & Prasad (1981)	LC	
37	<i>Ceriagrion coromandelianum</i> (Fabricius, 1798)	Coromandel Marsh Dart or Yellow Waxtail	DDN, HD, TG, NTL, CML, UTK, PG		De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Singh (1976), Vashishth et al. (2002), Arya et al. (2024), Arya et al. (2023), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
38	<i>Ceriagrion fallax</i> Ris, 1914	Black-tailed Marsh Dart	DDN, UTK	2,000	De et al. (2021), Husain (2018), Singh (2022)	LC	
Genus: <i>Coenagrion</i>							
39	<i>Coenagrion exclamationis</i> (Fraser, 1919)		UKD		Prasad & Mondal (2010)	DD	
Genus: <i>Ischnura</i>							
40	<i>Ischnura forcipata</i> Morton, 1908	Forcinate Dartlet or Forked Bluetail	DDN, HD, PG, TG, NTL, AL, PTG, CML, UTK		Fraser (1933), Prasad & Singh (1976), Mitra (2000), De et al. (2021), Meena & Sharma (2025), Hämäläinen (1989), Husain (2018), Kumar (1982), Kumar & Sharma (2003), Vashishth et al. (2002), Kumar (1995), Prasad & Mondal (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	

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41	<i>Ischnura nursei</i> Morton, 1907	Pixie Dartlet	DDN, HD, NTL, PG, PTG, UDM		Kumar & Prasad (1981), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), De et al. (2021), Vashishth et al. (2002), Singh (2022)	LC	
42	<i>Ischnura pumilio</i> (Charpentier, 1825)	Scarce Blue-tailed Damselfly or Small Bluetail	UKD	0–2,300	Singh (2022)	LC	
43	<i>Ischnura rubilio</i> Selys, 1877	Western Golden Dartlet	DDN, NTL, AL, PG, PTG, TG, UTK, CML		Hämäläinen (1989), Kumar (1995), Prasad & Singh (1995), Mitra (2000), Kumar & Sharma (2003), Prasad & Mondal (2010), Husain (2018), De et al. (2021), Singh (2022), Arya et al. (2023), Arya et al. (2024), Meena & Sharma (2025)	LC	
44	<i>Ischnura rufostigma</i> Selys, 1876	Red Bluetail	NTL	0–1,580	Kumar (1995), Prasad & Mondal (2010), Kumar & Prasad (1981)	LC	
45	<i>Ischnura senegalensis</i> Rambur, 1842	Common Bluetail, Marsh Bluetail, Ubiquitous Bluetail, African Bluetail, Senegal Golden Dartlet, Tropical Bluetail	DDN, TG, NTL	0–3,100	De et al. (2021), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Paracercion</i>							
46	<i>Paracercion calamorum</i> (Ris, 1916)	Dusky Lillysquatter	DDN, NTL		De et al. (2021), Arya et al. (2024), Prasad & Singh (1976), Singh (2022)	LC	
Genus: <i>Pseudagrion</i>							
47	<i>Pseudagrion australasiae</i> Selys, 1876	Look-alike Sprite or Blue-headed Sprite	NTL		Arya et al. (2023), Arya et al. (2024)	LC	
48	<i>Pseudagrion decorum</i> (Rambur, 1842)	Elegant Sprite, Three Striped Blue Dart	DDN, HD, NTL, PG		De et al. (2021), Hämäläinen (1989), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Singh (1976), Vashishth et al. (2002), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
49	<i>Pseudagrion laidlawi</i> Fraser, 1922	Dusky Sprite	DDN, PG	400–600	De et al. (2021), Mitra (2000), Prasad & Singh (1976), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
50	<i>Pseudagrion rubriceps</i> Selys, 1876	Orange-faced Sprite or Saffron-faced blue dart	DDN, HD, PG, TG, NTL, UTK	300–1,800	Prasad & Singh (1976), Husain (2018), Meena & Sharma (2025), Vashishth et al. (2002), Arya et al. (2023), Kumar (1995), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
	<i>Pseudagrion rubriceps rubriceps</i> Selys, 1876		DDN, NTL, PG		De et al. (2021), Hämäläinen (1989), Kumar & Sharma (2003), Mitra (2000), Arya et al. (2024), Prasad & Mondal (2010), Singh (2022)		
51	<i>Pseudagrion spencei</i> Fraser, 1922	Brook Sprite	DDN, NTL, CPT		De et al. (2021), Hämäläinen (1989), Kumar (1995), Prasad & Mondal (2010), Singh (2022), Kumar & Prasad (1981)	LC	
II. Odonata: ANISOPTERA							
5. Superfamily: Aeshnoidea Leach, 1815							
ix. Family: Aeshnidae Leach, 1815							
Genus: <i>Anax</i>							
52	<i>Anax ephippiger</i> (Burmeister, 1839)	Vagrant Emperor	UKD	0–2,500	Prasad & Sinha (2010)	LC	
53	<i>Anax guttatus</i> (Burmeister, 1839)	Pale-spotted Emperor or Lesser Green Emperor	DDN		De et al. (2021), Singh & Prasad (1976), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Kumar (1995), Prasad & Sinha (2010)	LC	
54	<i>Anax immaculifrons</i> Rambur, 1842	Magnificent Emperor or Blue Darner	DDN, PG, BG, AL, PTG, CML, NTL		De et al. (2021), Husain (2018), Singh & Prasad (1976), Arya (2015), Joshi et al. (2004), Joshi et al. (2018), Arya et al. (2021), Farooq & Arya (2018), Arya et al. (2024), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	

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55	<i>Anax imperator</i> Leach, 1815	Blue Emperor or Emperor Dragonfly	DDN		Kumar (1995), Prasad & Sinha (2010)	LC	
56	<i>Anax nigrolineatus</i> Fraser, 1935	Blue-spotted Emperor	DDN, NTL, BG, AL, PTG, UTK		De et al. (2021), Husain (2018), Kumar (1982), Joshi et al. (2004), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
57	<i>Anax parthenope</i> spp. (Selys, 1839)	Lesser Emperor	DDN, NTL		De et al. (2021), Meena & Sharma (2025), Singh (2022)	LC	
	<i>Anax parthenope parthenope</i> (Selys, 1839)		DDN, NTL		Kumar & Sharma (2003), Mitra (2000), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)		
Genus: Cephaloeschna							
58	<i>Cephaloeschna orbifrons</i> Selys, 1883		BG	1,950–3,200	Arya (2015), Joshi et al. (2018)	LC	
Genus: Gynacantha							
59	<i>Gynacantha bayadera</i> Selys, 1891	Parakeet Darner or Small Duskhawker	DDN	0–2,100	De et al. (2021)	LC	
60	<i>Gynacantha khasiaca</i> MacLachlan, 1896	Green Darner or Long-tailed Duskhawker	UKD, NTL	200–1,000	Prasad & Sinha (2010), Kumar & Prasad (1981)	DD	
Genus: Gynacanthaeschna							
61	<i>Gynacanthaeschna sikkima</i> (Karsch, 1891)		DDN, CML, UTK		De et al. (2021), Hämäläinen (1989), Husain (2018), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
6. Superfamily: Gomphoidea Rambur, 1842							
x. Family: Gomphidae Rambur, 1842							
Genus: Anisogomphus							
62	<i>Anisogomphus bivittatus</i> Selys, 1854	Himalayan Longleg	PG, PTG, CML, DDN, UTK	700–3,600	Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
63	<i>Anisogomphus caudalis</i> Fraser, 1926	Black-tailed Longleg	PTG		Kumar (1982), Prasad & Sinha (2010)	DD	
64	<i>Anisogomphus occipitalis</i> (Selys, 1854)	Shivalik Clubtail	DDN, PG, TG, PTG, CML, UTK	460–1,830	De et al. (2021), Hämäläinen (1989), Kumar (1982), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
Genus: Anormogomphus							
65	<i>Anormogomphus heteropterus</i> Selys, 1854		DDN		De et al. (2021), Husain (2018), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
66	<i>Anormogomphus kiritshenkoi</i> Barteneff, 1913		DDN		De et al. (2021), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	NT	
Genus: Burmagomphus							
67	<i>Burmagomphus hasimarius</i> Fraser, 1926		DDN	760–920	De et al. (2021), Kumar (1995), Prasad & Sinha (2010)	DD	
68	<i>Burmagomphus sivalikensis</i> Laidlaw, 1922		DDN	600	Fraser (1934), Kumar & Prasad (1981), Kumar (1995), De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Sinha (2010)	LC	EN IND
Genus: Davidius							
69	<i>Davidius aberrans</i> spp. Selys, 1873			1,300–3,130		LC	
	<i>Davidius aberrans aberrans</i> Selys, 1873		UKD, AL, NTL		Fraser (1934), Kumar & Prasad (1981), Prasad & Sinha (2010)		
70	<i>Davidius kumaonensis</i> Fraser, 1926		UKD		Prasad & Sinha (2010)	DD	EN IND
Genus: Ictinogomphus							
71	<i>Ictinogomphus rapax</i> (Rambur, 1842)	Rapacious Flangetail or Indian Common Clubtail	DDN	0–1,700	De et al. (2021), Singh & Prasad (1976), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	

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Genus: <i>Nepogomphus</i>							
72	<i>Nepogomphus modestus</i> (Selys, 1878)	Modest Pincertail	DDN, PG, TG, PTG, AL, UTK	1,000	De et al. (2021), Singh & Prasad (1976), Husain (2018), Kumar (1982), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
Genus: <i>Lamelligomphus</i>							
73	<i>Lamelligomphus biforceps</i> (Selys, 1878)	Shiva Grabtail	DDN, UTK, NTL	1,800	De et al. (2021), Husain (2018), Kumar (1995), Singh (2022), Kumar & Prasad (1981)	LC	
64	<i>Lamelligomphus risi</i> (Fraser, 1922)		DDN	670–1,220	De et al. (2021), Singh & Prasad (1976), Kumar (1995), Kumar & Prasad (1981)	DD	
Genus: <i>Nychogomphus</i>							
75	<i>Nychogomphus duaricus</i> (Fraser, 1924).	Duar Tongtail	DDN, HD, AL	50–1,500	De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Vashishth et al. (2002), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
Genus: <i>Scalmogomphus</i>							
76	<i>Scalmogomphus bistrigatus</i> (Hagen in Selys, 1854)	Toothed Pincertail	DDN, TG, PTG, RDP, CML, UTK, NTL		De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar (1982), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
77	<i>Scalmogomphus schmidtii</i> Fraser, 1937		DDN		De et al. (2021), Hämäläinen (1989)	NE	
Genus: <i>Ophiogomphus</i>							
78	<i>Ophiogomphus cerastis</i> Selys, 1854		DDN		De et al. (2021), Husain (2018), Singh & Prasad (1976), Kumar (1995)	DD	
Genus: <i>Paragomphus</i>							
79	<i>Paragomphus lineatus</i> (Selys, 1850)	Lined Hooktail	DDN, NTL, AL, PG		De et al. (2021), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995)	LC	
7. Superfamily: Cordulegastroidea Hagen, 1875							
xi. Family: Chlorogomphidae Needham, 1903							
Genus: <i>Chlorogomphus</i>							
80	<i>Chlorogomphus atkinsoni</i> (Selys, 1878)	Atkinson's Skydragon	NTL		Singh (2022)	LC	
xii. Family: Cordulegastridae Hagen, 1875							
Genus: <i>Anotogaster</i>							
81	<i>Anotogaster basalis</i> ssp. Selys, 1854	Yellow-veined Goldenring	NTL, AL, PTG, UTK, DDN, TG		Kumar (1982), Prasad & Sinha (2010), Singh (2022)	DD	
	<i>Anotogaster basalis</i> Selys, 1854		NTL, AL, UTK		Fraser (1936), Kumar & Prasad (1981)		
82	<i>Anotogaster nipalensis</i> (Selys 1854)	Nepal Goldenring	PG, TG		Prasad & Sinha (2010), Singh (2022)	LC	
Genus: <i>Cordulegaster</i>							
83	<i>Cordulegaster parvistigma</i> (Selys, 1873)		UKD	2,660–2,730	Prasad & Sinha (2010)	DD	EN IND
Genus: <i>Neallogaster</i>							
84	<i>Neallogaster hermoniae</i> (Fraser, 1927)		UKD		Singh (2022)	LC	
Genus: <i>Thecagaster</i>							
85	<i>Thecagaster bidentata</i> (Selys, 1843)	Sombre Goldenring	AL		Farooq & Arya (2018)	LC	
86	<i>Thecagaster brevistigma</i> spp. (Selys, 1854)	Yellow-Faced Goldenring	DDN	2,000–3,000	De et al. (2021), Prasad & Sinha (2010)	LC	
	<i>Thecagaster brevistigma</i> (Selys, 1854)		NTL		Kumar & Prasad (1981)		
	<i>Thecagaster brevistigma folia</i> (Selys, 1854)		NTL		Fraser (1936), Kumar & Prasad (1981), Kumar (1995), Prasad & Sinha (2010)		

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8. Superfamily: Libelluloidea Leach, 1815							
xiii. Family: Macromiidae Needham, 1903							
Genus: Epophthalmia							
87	<i>Epophthalmia vittata</i> Burmeister, 1839	Common Torrent Hawk	AL		Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
Genus: Macromia							
88	<i>Macromia moorei</i> Selys, 1874		DDN, TG, NTL, BG, AL, PTG, UTK	600–2,380	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar (1982), Singh & Prasad (1976), Arya (2015), Joshi et al. (2004), Joshi et al. (2018), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
xiv. Family: Corduliidae Kirby, 1890							
Genus: Hemicordulia							
89	<i>Hemicordulia asiatica</i> Selys, 1878	Asian Emerald	UKD	915–2,300	Prasad & Sinha (2010)	LC	
xv. Family: Libellulidae Leach, 1815							
Genus: Acisoma							
90	<i>Acisoma panorpoides</i> spp. Rambur, 1842	Asian Pintail, Grizzled Pintail or Trumpet tail	DDN, NTL, PG, UTK		De et al. (2021), Meena & Sharma (2025), Arya et al. (2023), Kumar (1995)	LC	
	<i>Acisoma panorpoides panorpoides</i> Rambur, 1842		DDN, NTL, PG, UTK		Hämäläinen (1989), Mitra (2000), Singh & Prasad (1976), Arya et al. (2021), Arya et al. (2024), Prasad & Sinha (2010), Kumar & Prasad (1981)		
Genus: Aethriamanta							
91	<i>Aethriamanta brevipennis</i> (Rambur, 1842)	Scarlet Adjutant or Scarlet Marsh Hawk	NTL, CPT		Arya et al. (2023), Arya et al. (2024)	LC	
Genus: Brachydiplax							
92	<i>Brachydiplax sobrina</i> (Rambur, 1842)	Little Blue Marsh Hawk	DDN		De et al. (2021), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
Genus: Brachythemis							
93	<i>Brachythemis contaminata</i> (Fabricius, 1793)	Ditch Jewel, Common Amberwing or Orange-winged Groundling	DDN, PG, NTL, CPT		De et al. (2021), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Arya et al. (2024), Dev et al. (2009), Arya et al. (2023), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
Genus: Bradinopyga							
94	<i>Bradinopyga geminata</i> (Rambur, 1842)	Indian Rockdweller or Granite Ghost	DDN, NTL, PG		De et al. (2021), Husain (2018), Meena & Sharma (2025), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: Cratilla							
95	<i>Cratilla lineata</i> spp. (Brauer, 1878)	Emerald-Banded Skimmer or Lined Forest-Skimmer	DDN, NTL, PG		Singh & Prasad (1976), Singh (2022)	LC	
	<i>Cratilla lineata calverti</i> Forster, 1903		DDN, PG, NTL		De et al. (2021), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
Genus: Crocothemis							
96	<i>Crocothemis erythraea</i> spp. (Brullé, 1832)	Broad Scarlet, Common Scarlet-darter or Scarlet Darter	DDN		De et al. (2021)	LC	
	<i>Crocothemis erythraea erythraea</i> (Brullé, 1832)		DDN		Hämäläinen (1989), Prasad & Sinha (2010)		

	Species composition	Common name	Distribution	Altitudinal range (in m)	Recent/ Old confirmation by authors	Global IUCN Red List status	Endemic status
97	<i>Crocothemis servilia</i> (Drury, 1770)	Oriental Scarlet or Scarlet Skimmer	DDN, HD, PG, TG, NTL, BG, AL, PTG, CPT, CML, UTK	0–1,000	De et al. (2021), Husain (2018), Kumar (1982), Meena & Sharma (2025), Arya et al. (2023), Joshi et al. (2004), Joshi et al. (2018), Arya (2015), Arya et al. (2021), Farooq & Arya (2018)	LC	
	<i>Crocothemis servilia servilia</i> (Drury, 1770)		DDN, HD, PG, NTL, AL, PTG, CML, UTK		Kumar & Sharma (2003), Mitra (2000), Singh & Prasad (1976), Vashishth et al. (2002), Arya et al. (2024), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
Genus: <i>Diplacodes</i>							
98	<i>Diplacodes lefebvrei</i> (Rambur, 1842)	Black Percher or Black Ground Skimmer	DDN, AL, NTL		De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (1999), Mitra (2000), Prasad & Sinha (2010), Singh (2022)	LC	
99	<i>Diplacodes nebulosa</i> (Fabricius, 1793)	Black-tipped Percher, Charcoal-winged Percher or Black tipped Percher	DDN, NTL, PG, TG		De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Dev et al. (2009), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
100	<i>Diplacodes trivialis</i> Rambur, 1842	Chalky Percher, Blue Percher	DDN, NTL, PG	0–3,000	De et al. (2021), Kumar & Sharma (2003), Mitra (2000), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Hylaeothemis</i>							
101	<i>Hylaeothemis gardeneri</i> Fraser, 1927		DDN		De et al. (2021), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	DD	EN IND
Genus: <i>Neurothemis</i>							
102	<i>Neurothemis fulvia</i> (Drury, 1773)	Russet Parasol, Fulvous Forest Skimmer	DDN, HD, TG, NTL, UTK, PG	0–2,390	Mitra (2000), De et al. (2021), Singh & Prasad (1976), Hämäläinen (1989), Meena & Sharma (2025), Husain (2018), Kumar & Sharma (2003), Vashishth et al. (2002), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
103	<i>Neurothemis intermedia</i> spp. (Rambur, 1842)	Paddyfield Parasol or Ruddy Meadow Skimmer		0–1,000		LC	
	<i>Neurothemis intermedia intermedia</i> (Rambur, 1842)		DDN, PG		De et al. (2021), Husain (2018), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)		
104	<i>Neurothemis tullia</i> spp. (Drury, 1773)	Pied Paddy Skimmer	DDN, NTL		Meena & Sharma (2025), De et al. (2021)	LC	
	<i>Neurothemis tullia tullia</i> (Drury, 1773)		DDN		Singh & Prasad (1976), Hämäläinen (1989), Kumar & Sharma (2003), Mitra (2000), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)		
Genus: <i>Orthetrum</i>							
105	<i>Orthetrum coerulescens anceps</i> (Schneider, 1845)	Keeled Skimmer	PG, UTK		Prasad & Sinha (2010), Singh (2022)	LC	
106	<i>Orthetrum brunneum</i> spp. (Fonscolombe, 1837)	Southern Skimmer	DDN, PG		De et al. (2021), Singh (2022)	LC	
	<i>Orthetrum brunneum brunneum</i> (Fonscolombe, 1837)		DDN, PG, TG, NTL, AL, UTK		Husain (2018), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
107	<i>Orthetrum glaucum</i> Brauer, 1865	Common Blue Skimmer or Blue Marsh Hawk	DDN, PG, TG, NTL, BG, AL, PTG, CPT, RDP, CML, UTK		De et al. (2021), Hämäläinen (1989), Meena & Sharma (2025), Husain (2018), Kumar (1982), Singh & Prasad (1976), Arya et al. (2023), Arya et al. (2024) Arya (2015), Joshi et al. (2004), Joshi et al. (2018), Arya et al. (2021) Farooq & Arya (2018), Verma and Arya (2020), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
108	<i>Orthetrum internum</i> McLachlan, 1894		DDN, PG, NTL		De et al. (2021), Husain (2018), Singh & Prasad (1976), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	NE	

	Species composition	Common name	Distribution	Altitudinal range (in m)	Recent/ Old confirmation by authors	Global IUCN Red List status	Endemic status
109	<i>Orthetrum luzonicum</i> (Brauer, 1868)	Tri-coloured Marsh Hawk or Slender Blue Skimmer	DDN, HD, PG, TG, NTL, PTG, UTK	0–1,500	De et al. (2021), Husain (2018), Singh & Prasad (1976), Hämäläinen (1989), Kumar (1982), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Vashishth et al. (2002), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
110	<i>Orthetrum pruinosum</i> ssp. (Burmeister, 1839)	Crimson-tailed Marsh Hawk	DDN, NTL, CPT		Arya et al. (2023), Arya et al. (2024), Verma and Arya (2020)	LC	
	<i>Orthetrum pruinosum neglectum</i> (Burmeister, 1839)		DDN, HD, PG, TG, NTL, BG, AL, PTG, RDP, CML, UTK		Mitra (2000), De et al. (2021), Singh & Prasad (1976), Hämäläinen (1989), Kumar (1982), Kumar & Sharma (2003), Meena & Sharma (2025), Husain (2018), Vashishth et al. (2002), Arya et al. (2024), Arya (2015), Joshi et al. (2004), Joshi et al. (2018), Arya et al. (2021), Farooq & Arya (2018), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
111	<i>Orthetrum sabina</i> (Drury, 1770)	Slender Skimmer or Green Marsh Hawk	DDN, NTL, CPT	0–2,300	Singh & Prasad (1976), Arya et al. (2023), Prasad & Singh (1995)	LC	
	<i>Orthetrum sabina sabina</i> (Drury, 1770)		DDN, HD, PG, TG, NTL, BG, AL, PTG, CML, RDP, UTK		De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Vashishth et al. (2002), Arya et al. (2024), Arya (2015), Joshi et al. (2004), Joshi et al. (2018), Arya et al. (2021), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)		
112	<i>Orthetrum taeniolatum</i> (Schneider, 1845)	Small Skimmer or Little Skimmer	DDN, HD, PG, TG, NTL, BG, AL, PTG, CPT, RDP, CML, UTK	0–2,700	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar (1982), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Arya et al. (2024), Arya et al. (2023), Joshi et al. (2002), Joshi et al. (2004), Arya et al. (2021), Verma and Arya (2020), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
113	<i>Orthetrum triangulare</i> ssp. (Selys, 1878)	Blue-Tailed Forest Hawk	DDN, NTL, CPT		Arya et al. (2023), Verma & Arya (2020), Farooq & Arya (2018)	LC	
	<i>Orthetrum triangulare triangulare</i> (Selys, 1878)		DDN, HD, PG, TG, NTL, AL, PTG, CML, UTK, RDP		De et al. (2021), Hämäläinen (1989), Husain (2018), Singh & Prasad (1976), Meena & Sharma (2025), Mitra (2000), Vashishth et al. (2002), Kumar (1982), DayakArya et al. (2024), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)		
Genus: <i>Palpopleura</i>							
114	<i>Palpopleura sexmaculata</i> ssp. (Fabricius, 1787)	Asian Widow or Blue-tailed Yellow Skimmer	DDN, NTL, BG, PG, TG, AL, CML, PTG, UTK		De et al. (2021), Meena & Sharma (2025), Kumar & Sharma (2003), Dev et al. (2009), Arya et al. (2023), Arya (2015), Singh (2022)	LC	
	<i>Palpopleura sexmaculata sexmaculata</i> (Fabricius, 1787)		DDN, HD, PG, TG, NTL, BG, PTG, CML, UTK		Singh & Prasad (1976), Hämäläinen (1989), Kumar (1982), Mitra (2000), Vashishth et al. (2002), Arya et al. (2024), Joshi et al. (2004), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)		
	<i>Palpopleura sexmaculata octomaculata</i> (Fraser, 1935)		DDN, PG, TG, NTL, AL, CML, UTK		Husain (2018)		
Genus: <i>Pantala</i>							
115	<i>Pantala flavescens</i> (Fabricius, 1798)	Wandering Glider or Globe Skimmer	DDN, PG, HD, NTL, AL, CPT, PTG, CML, TG, UTK		De et al. (2021), Husain (2018), Kumar (1982), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Arya et al. (2023), Arya et al. (2024), Joshi et al. (2004), Farooq & Arya (2018), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	

	Species composition	Common name	Distribution	Altitudinal range (in m)	Recent/ Old confirmation by authors	Global IUCN Red List status	Endemic status
Genus: <i>Potamarcha</i>							
116	<i>Potamarcha congener</i> (Rambur, 1842)	Yellow-tailed Ashy Skimmer, Swampwatcher or Common Chaser	DDN, PG	0–1,700	De et al. (2021), Singh & Prasad (1976), Prasad & Sinha (2010), Singh (2022), Prasad & Singh (1995)	LC	
Genus: <i>Rhodothemis</i>							
117	<i>Rhodothemis rufa</i> (Rambur, 1842)	Rufous Marsh Glider, Spine-legged Redbolt or Common Redbolt	NTL	0–600	Arya et al. (2023), Arya et al. (2024)	LC	
Genus: <i>Rhyothemis</i>							
118	<i>Rhyothemis variegata</i> ssp. (Linnaeus, 1763)	Common Picture Wing or Variegated flutterer	DDN		Kumar & Sharma (2003)	LC	
	<i>Rhyothemis variegata variegata</i> (Linnaeus, 1763)		DDN		De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)		
Genus: <i>Sympetrum</i>							
119	<i>Sympetrum commixtum</i> (Selys, 1884)	Mountain Meadowhawk	DDN, PG, NTL, BG, AL, PTG, RDP	1,490–3,660	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar (1982), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
120	<i>Sympetrum striolatum</i> (Charpentier, 1840)	Common Darter	AL, DDN		Farooq & Arya (2018), Singh (2022)	LC	
121	<i>Sympetrum fonscolombii</i> Selys, 1840	Red-veined Darter	PTG, AL		Prasad & Sinha (2010), Singh (2022)	LC	
122	<i>Sympetrum speciosum</i> Oguma, 1915		NTL		Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
123	<i>Sympetrum hypomelas</i> (Selys, 1884)	Yellow-banded Darter	CML, AL, UTK	0–2,850	Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Tetrathemis</i>							
124	<i>Tetrathemis platyptera</i> Selys, 1878	Pigmy Skimmer	DDN, NTL, PG	0–900	De et al. (2021), Kumar (1995), Prasad & Sinha (2010), Singh (2022), Kumar & Prasad (1981)	LC	
Genus: <i>Tholymis</i>							
125	<i>Tholymis tillarga</i> (Fabricius, 1798)	Coral-tailed Cloudwing or Twister	DDN, NTL		De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Arya et al. (2024), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
Genus: <i>Tramea</i>							
126	<i>Tramea basilaris</i> ssp. (Palisot de Beauvois, 1817)	Keyhole Glider, Red Marsh trotter or Wheeling Glider	DDN		De et al. (2021)	LC	
	<i>Tramea basilaris burmeisteri</i> Kirby, 1889		UKD, DDN		Prasad & Sinha (2010), Kumar & Prasad (1981)		
127	<i>Tramea virginia</i> (Rambur, 1842)	Saddlebag Glider	DDN, NTL, PG	0–1,000	De et al. (2021), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	
Genus: <i>Trithemis</i>							
128	<i>Trithemis annulata</i> (Palisot de Beauvois, 1807)	Violet Dropwing, Violet-marked darter, Purple-blushed Darter or Plum-coloured Dropwing	NTL		Kaushal and Joshi (1988)	LC	
129	<i>Trithemis aurora</i> (Burmeister, 1839)	Crimson Dropwing or Crimson Marsh Glider	DDN, HD, PG, TG, NTL, PTG	1,500	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar (1982), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Vashishth et al. (2002), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	

	Species composition	Common name	Distribution	Altitudinal range (in m)	Recent/ Old confirmation by authors	Global IUCN Red List status	Endemic status
130	<i>Trithemis festiva</i> (Rambur, 1842)	Indigo Dropwing or Black Stream Glider	DDN, HD, PG, TG, NTL, AL, PTG, CPT, CML, UTK	0–2,000	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar (1982), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Vashishth et al. (2002), Arya et al. (2023), Arya et al. (2024), Kumar (1995), Prasad & Sinha (2010), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
131	<i>Trithemis kirbyi</i> ssp. Selys, 1891	Orange-winged Dropwing, Scarlet Rock Glider or Kirby's dropwing	DDN		De et al. (2021)	LC	
	<i>Trithemis kirbyi kirbyi</i> Selys, 1891		DDN		Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)		
132	<i>Trithemis pallidinervis</i> (Kirby, 1889)	Dancing Dropwing or Long-legged Marsh Glider	DDN, PG, NTL, CPT	0–800	De et al. (2021), Hämäläinen (1989), Husain (2018), Kumar & Sharma (2003), Meena & Sharma (2025), Mitra (2000), Singh & Prasad (1976), Arya et al. (2023), Arya et al. (2024), Kumar (1995), Prasad & Singh (1995), Kumar & Prasad (1981)	LC	
Genus: <i>Urothemis</i>							
133	<i>Urothemis signata</i> ssp. (Rambur, 1842)	Greater Crimson Glider	DDN		De et al. (2021), Meena & Sharma (2025)	LC	
	<i>Urothemis signata signata</i> (Rambur, 1842)		DDN		Kumar & Sharma (2003), Mitra (1999), Mitra (2000), Prasad & Sinha (2010)		
Genus: <i>Zygonyx</i>							
134	<i>Zygonyx torridus</i> ssp. (Kirby, 1889)	Ringed Cascader	DDN, TG		Singh (2022), Kumar & Prasad (1981)	LC	
	<i>Zygonyx torridus isis</i> Fraser, 1924		DDN, TG, RDP		De et al. (2021), Husain (2018), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010)		
Genus: <i>Zyomma</i>							
135	<i>Zyomma petiolatum</i> Rambur, 1842	Dingy Dusk-darter, Long-tailed Duskdarter or Brown Dusk Hawk	DDN		De et al. (2021), Singh & Prasad (1976), Kumar (1995), Prasad & Sinha (2010), Kumar & Prasad (1981)	LC	

AL—Almora | BG—Bageshwar | CML—Chamoli | CPT—Champawat | DDN—Dehradun | HD—Haridwar | NTL—Nainital | PG—Pauri Garhwal | PTG—Pithoragarh | RDP—Rudrapur | TG—Tehri Garhwal | UDM—Udham Singh Nagar | UTK—Uttarkashi; UKD—Uttarakhand | DD—Data Deficient | LC—Least Concern | NE—Not Evaluated | NT—Near Threatened | EN IND—Endemic to India.

districts), *Neurobasis chinensis* (8 districts).

IUCN Global Red List Status and Endemic Status

According to the IUCN Red List assessments, the majority of odonate species recorded from Uttarakhand fall under the 'Least Concern' (LC) category, comprising 119 species (88.1%) of the total documented fauna. A further 12 species (8.9%) are classified as 'Data Deficient' (DD), reflecting the need for additional research on their population status and distribution. Three species (2.2%) remain 'Not Evaluated' (NE), while a single species (0.7%), namely, *Anormogomphus kiritshenkoi* Barteneff, 1913, is listed as 'Near Threatened' (NT). Five species are endemic to India.

Taxonomic Revisions and Infra-specific Records

The checklist incorporates recent taxonomic changes. In addition, 28 infra-specific taxa were noted

(e.g., *Neurobasis chinensis chinensis*, *Crocothemis servilia servilia*, *Orthetrum sabina sabina*), but for the purpose of quantitative analysis, all subspecies were consolidated under their respective nominal species. This avoided artificial inflation of the diversity count and ensured the tally remained at 135 valid species.

Taxonomic revisions and nomenclatural changes

- *Amphiallagma parvum* (Selys, 1876) was previously treated as *Enallagma parvum* (Selys, 1876)

- Specimens from the Indian subcontinent that were previously identified as *Ischnura aurora* are now considered *Ischnura rubilio*, as the latter is the only species known to occur in this region (Kalkman et al. 2020).

- *Lestes praemorsus decipiens* Kirby, 1893 is treated as *Lestes decipiens* (Kirby, 1893) in 2025. *Lestes decipiens* was elevated from a subspecies of *Lestes praemorsus*

by Hopkins et al. (2025). Therefore, *Lestes praemorsus* Hagen in Selys, 1862 is no longer considered part of the fauna of the Indian Subcontinent, and previous records of it pertain to *L. decipiens*, as discussed in Kalkman et al. (2020), based on the analysis of Lieftinck (1949).

- *Aristocypha quadrimaculata* (Selys, 1853) was originally described as *Rhinocypha quadrimaculata* and subsequently transferred to the genus *Aristocypha* by Laidlaw (1950).

- *Scalmogomphus bistrigatus* (Hagen in Selys, 1854) was previously treated as *Onychogomphus bistrigatus* (Hagen in Selys, 1854).

- *Scalmogomphus schmidtii* (Fraser, 1937) was previously treated as *Onychogomphus schmidtii* Fraser, 1937.

- *Orthetrum anceps* (Schneider, 1845) was treated as *Orthetrum coerulescens anceps* (Schneider, 1845) by Kalkman et al. (2020).

- *Nychogomphus duaricus* was originally described by Fraser in 1924 in the genus *Onychogomphus*. Its presently accepted name is *Nychogomphus duaricus* (Fraser, 1924).

- Fraser described *Coenagrion exclamationis* as *Himalagrion exclamationis* in 1919. Subsequently, it was removed to the genus *Coenagrion*, and its presently accepted name is *Coenagrion exclamationis* (Fraser, 1919).

- *Agriocnemis corbeti* Kumar & Prasad, 1978 is treated as a synonym of *Agriocnemis pygmaea* (Rambur, 1842) by Kalkman et al. (2020).

- *Copera ciliata* Selys, 1863 was transferred to *Pseudocopera ciliata* (Selys, 1863) by Dijkstra et al. (2014).

- *Hemianax ephippiger* Burmeister, 1839 was treated as *Anax ephippiger* (Burmeister, 1839) by Kalkman et al. (2020).

- *Cordulegaster bidentata* Selys, 1843 was replaced with *Thecagaster bidentata* (Selys, 1843) in 2024 (Schneider et al., 2024).

- *Sympetrum haematoenura* Fraser, 1924 was synonymised with *Sympetrum speciosum* Oguma, 1915 by Kalkman et al. (2020).

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