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Cover: *Euphaea pseudodispar* shot at Kalindi River, Thirunelly, Wayanad district, Kerala. © Muneer P.K.



A checklist of herpetofauna of Telangana state, India

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Abstract: A checklist of herpetofauna of Telangana, India including accepted English name, scientific name along with authority, Telugu and vernacular name, IUCN, Indian Wildlife Protection Act and CITES status, and endemism is presented in this paper. The herpetofauna diversity of Telangana is represented by 98 species including 16 species of amphibians belonging to four families, one species of crocodile, six species of testudines, 35 species of saurians and 40 species of snakes. Three species—*Hemidactylus flavicaudus*, *H. xericolus*, and *H. aemulus*—are endemic to Telangana.

Keywords: Amphibia, Crocodylia, Ophidia, Reptilia, Sauria, Squamata, Testudines.

తెలంగాణ రాష్ట్రంలో ఉన్న 98 జాతులు ఉభయచరాలు మరియు సరీసృపాల జాతులు ఈ పేపర్‌లో అందించబడింది. వరతి జాతి యొక్క సాంకేతిక పేరు, పేరు రచయిత, మొదటి పివరణ సంవత్సరం, ఆంగ్ల పేరు, తెలుగు పేరు, IUCN వర్గం, భారతీయ పశుపక్షి (సంరక్షణ) చట్టం, 1972 వర్గం, CITES వర్గం మరియు నేదానికత ఇందులో అందించబడింది. ఈ వైవిధ్యంలో నాలుగు కుటుంబాలకు చెందిన 16 రకాల ఉభయచరాలు, ఒక జాతి మృసలి, ఆరు రకాల తాపేళ్లు, 35 రకాల బల్లులు మరియు 40 రకాల వాములు ఉన్నాయి. హమిడాక్టిలస్ ఫ్లవికాడ్స్, హమిడాక్టిలస్ ఖెరికల్స్ మరియు హమిడాక్టిలస్ ఎములస్ అనే మూడు జాతులు తెలంగాణ రాష్ట్రంలో మాత్రమే కనిపిస్తాయి.

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INTRODUCTION

The herpetofaunal diversity of Telangana is in the process of being documented (Khartade et al. 2019; Dinesh et al. 2021; Narayana & Bharat 2021) and due to unavailability of a comprehensive database many doubtful species are finding place in various checklists being published from time to time. Through this short communication we aim to provide a checklist of amphibian and reptilian species currently known from Telangana published literature and personal observations.

Telangana State (15.835–19.917 °N, 77.238–81.307 °E; 150–900 m), located in the Deccan Plateau in the south central part of peninsular India, was part of the erstwhile united Andhra Pradesh (1956–2014). Before that it contributed to the major land area of the Hyderabad State (1948–1956) and the state of Hyderabad (1724–1948). It encompasses an area of 1,22,077 km². Two major rivers, Godavari and Krishna, along with their major and minor tributaries flow through the state (Prasad & Srinivasulu 2021).

Earlier known works on amphibians and reptiles of the region roughly corresponding to present day Telangana State include the historical works that documented list of herpetofauna in Madras Presidency, Bombay Presidency, and Central Provinces. Stoliczka (1871, 1872) described a species of leaf-toed gecko based on specimens collected by W.T. Blanford from Godavari River basin near Bhadrachalam (in erstwhile Madras Presidency).

Predominant works in Telangana region of erstwhile united 'Andhra Pradesh' include that of Sharma (1969, 1971), Sanyal et al. (1993), Sarkar et al. (1993), Chanda (2002), Srinivasulu (2003), Srinivasulu & Srinivasulu (2010, 2012a,b, 2013a,b), Rao et al. (2005), Srinivasulu et al. (2006, 2009, 2011), Srinivasulu & Das (2008), Seetharamaraju et al. (2008, 2011), Mahony (2009), Datta-Roy et al. (2012), Seetharamaraju & Srinivasulu (2013), and Narayana et al. (2014).

Other works published after the formation of Telangana State include those of Srinivasulu et al. (2014, 2016), Visvanathan (2015), Seetharamaraju (2015), Kumar & Srinivasulu (2015), Kumar et al. (2015, 2017a,b, 2022), Visvanathan et al. (2017), Srinivasulu (2017), Mirza et al. (2017), Narayana et al. (2017, 2018), Kumar (2018), Mohan et al. (2018), Prasad et al. (2018), Anne & Visvanathan (2018), Seetharamaraju et al. (2019), Ganesh et al. (2020), Lajmi et al. (2020), Narayana & Sandeep (2021), and Choure et al. (2021).

Four species of geckoes—*Hemidactylus treutleri*

Mahony, 2009; *H. flavicaudus* Lajmi et al., 2020; *H. xericolus* Lajmi et al., 2020; and *H. aemulus* Kumar et al., 2022—were described from Telangana. Mahony (2009) described Treutler's Gecko *H. treutleri* based on type specimens collected from Golconda fort, Hyderabad; Lajmi et al. (2020) described *H. flavicaudus* and *H. xericolus* based on types collected from Guddeguda, Mahbubnagar district, and Marriguda, Nalgonda district, respectively; while Kumar et al. (2022) described *H. aemulus* from Chandanapalli and Chaya Someshwara Temple, Nalgonda District.

In recent years, attempts to document the herpetofauna diversity of Telangana were done by Khartade et al. (2019), Dinesh et al. (2021), and Narayana & Bharath (2021). The present work updates the information on taxonomy and reports species missed in the earlier literature.

METHODS

For the present checklist, we researched and critically analysed all published (both peer-reviewed and non-peer-reviewed) literature, online databases (including iNaturalist, India Biodiversity Portal, HerpMapper) and also relied on field surveys conducted since 1995 in various parts of Telangana State (Srinivasulu 2003; Srinivasulu et al. 2006, 2009, 2011, 2014, 2016; Seetharamaraju et al. 2008, 2011, 2019; Srinivasulu & Das 2008; Srinivasulu & Srinivasulu 2010; Seetharamaraju & Srinivasulu 2013; Kumar & Srinivasulu 2015; Kumar et al. 2015, 2017a,b; Seetharamaraju 2015; Kumar 2018). We confirmed the species identities by consulting standard references (Daniel 2002; Das 2002; Whitaker & Captain 2004), incorporating further updates by more recent literature (Deepak et al. 2016, 2018, 2021; Lajmi et al. 2016; Ganesh et al. 2017; Mirza & Patel 2018; Pal et al. 2018; Mallik et al. 2020, 2021; Bisht et al. 2021; Gowande et al. 2021; Bandara et al. 2022). We have also provided explanation for deletion of the taxa earlier reported in literature, and appeal to future workers to collect voucher specimens or photographs to report additions to the herpetofauna diversity of Telangana.

RESULTS AND DISCUSSION

In this checklist, 98 species of herpetofauna including 17 species of amphibians and 81 species of reptiles are listed (Table 1; Images 1 to 72) as being present in Telangana. The amphibian diversity is represented by



Table 1. Checklist of herpetofauna of Telangana State, India.

	English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
I. Order Anura								
1. Family Bufonidae								
1	Asian Common Toad	<i>Duttaphrynus melanostictus</i>	(Schneider, 1799)	సామాన్య కప్ప	Samanya Kappa	LC	-	-
2	Schneider's Toad ¹	<i>Duttaphrynus scaber</i> ^{IN,SL}	(Schneider, 1799)	నక్కపిట్ట కప్ప	Schneiders Kappa	LC	-	-
3	Deccan Toad	<i>Duttaphrynus peninsularis</i>	(Rao, 1920)	పాలరాతి కప్ప	Palarati Kappa	LC	-	-
4	Günther's Toad ²	<i>Duttaphrynus holalius</i> ^{PI}	(Günther, 1876)	గుంతర్ కప్ప	Gunthers Kappa	DD	-	-
2. Family Dicroglossidae								
5	Indian Skipper Frog	<i>Euphlyctis cyanophlyctis</i>	(Schneider, 1799)	చీరమ కప్ప	Cheruvu Kappa	NE	-	-
6	Orissa Cricket Frog ³	<i>Fejervarya orissaensis</i> ^{SA}	(Dutta, 1997)	ఒడిషా వీర నేను కప్ప	Odisha Vari Senu Kappa	LC	-	-
7	Common Indian Cricket Frog	<i>Minervarya agricola</i> ^{SA}	(Jerdon, 1853)	సామాన్య క్రికెట్ కప్ప	Samanya Cricket Kappa	LC	-	-
8	Jerdon's Bullfrog	<i>Hoplobatrachus crassus</i> ^{SA}	(Jerdon, 1854)	జరడన్ కప్ప	Jerdon's Kappa	LC	Sch. IV	-
9	Indian Bullfrog	<i>Hoplobatrachus tigerinus</i> ^{SA}	(Daudin, 1803)	గంధర్వ కప్ప	Gandru Kappa	LC	Sch. IV	App. II
10	Indian Burrowing Frog	<i>Sphaerothera breviceps</i> ^{SA}	(Schneider, 1799)	బొర్రయలు కప్ప	Boriyalu Kappa	LC	-	-
3. Family Microhylidae								
11	Ornate Narrow-mouth Frog	<i>Microhyla ornata</i> ^{SA}	(Duméril & Bibron, 1841)	అలంకృత ముక్కు కప్ప	Alankrita Chinna Kappa	LC	-	-
12	Red Narrow-mouth Frog	<i>Microhyla rubra</i> ^{IN}	(Jerdon, 1854)	ఎరువ ముక్కు కప్ప	Eruvu Chinna Kappa	LC	-	-
13	Sri Lankan Painted Frog	<i>Uperodon taprobanicus</i> ^{SA}	(Parker, 1934)	చిత్రించిన గిట్టెముడూగ కప్ప	Chitrinchina Galibuduga Kappa	LC	-	-
14	Variegated Ramanella	<i>Uperodon variegatus</i> ^{SA}	(Stoliczka, 1872)	రంగురంగుల గిట్టెముడూగ కప్ప	Rangurangula Galibuduga Kappa	LC	-	-
15	Indian Balloon Frog	<i>Uperodon globulosus</i> ^{SA}	(Günther, 1864)	సామాన్య గిట్టెముడూగ కప్ప	Samanya Galibuduga Kappa	LC	-	-
16	Marbled Balloon Frog	<i>Uperodon systema</i> ^{SA}	(Schneider, 1799)	పాలరాతి గిట్టెముడూగ కప్ప	Palarati Galibuduga Kappa	LC	-	-
4. Family Rhacophoridae								
17	Indian Tree Frog	<i>Polypedates maculatus</i> ^{SA}	(Gray, 1830)	సునం కప్ప	Sunnan Kappa	LC	-	-
II. Order Crocodylia								
1. Family Crocodylidae								
18	Mugger Crocodile	<i>Crocodylus palustris</i>	Lesson, 1831	మోసలి	Mosali	VU	Sch. I (Part II)	App. I
III. Order Testudines								
1. Family Testudinidae								
19	Indian Star Tortoise	<i>Geochelone elegans</i> ^{IN,SL}	(Schöepff, 1795)	నక్కపిట్ట తాటిలు	Nakshatra Tabelu	VU	Sch. IV	App. I
2. Family Geomydidae								
20	Indian Tent Turtle	<i>Pangshura tentoria</i> ^{IND,IN}	(Gray, 1834)	సామాన్య డేరా తాటిలు	Samanya Dera Tabelu	LC	Sch. IV	App. II



English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
21	Indian Black Turtle		నీయర్ కాటెలు	Nulye Tabelu	NT	Sch. IV	App. II
3. Family Trionychidae							
22	Indian Flap-shelled Turtle		రక్కెరప్పిచిప్ప కాటెలు	Rekka-chippa Tabelu	LC	Sch. I (Part II)	App. II
23	Ganges Soft-shelled Turtle ⁴		గంగనమ్మ ముతతప్పిచిప్ప కాటెలు	Gangamma Mettani-chippa Tabelu	VU	Sch. I (Part II)	App. I
24	Leith's Soft-shelled Turtle ⁵		లెత్త ముతతప్పిచిప్ప కాటెలు	Leiths Mettani-chippa Tabelu	VU	Sch. IV	App. II
IV. Order Squamata							
Sauria (Lacertilia)							
1. Family Agamidae							
25	Forest Calotes ⁶		అడవి తొండ	Adavi Thonda	LC	-	-
26	Common Garden Lizard		సామాన్య తొండ	Samanya Thonda	NE	-	-
27	Blanford's Rock Agama		టన్స్ బ్లోన్ తొండ	Chinna Polees Thonda	LC	-	-
28	Peninsular Rock Agama		బ్లోన్ తొండ	Polees Thonda	LC	-	-
29	Spiny-headed Fan-throated Lizard		సీతమ్మ తొండ	Sitamma Thonda	NE	-	-
30	Nagarjunasagar Fan-throated Lizard ⁷		నాగార్జునసాగర్ తొండ	Nagarjunasagar Thonda	NE	-	-
2. Family Chamaeleonidae							
31	Indian Chameleon		ఉసరవల్లి	Usaravalli	LC	Sch. II (Part I)	App. II
3. Family Gekkonidae							
32	Emulous leaf-toed gecko		ఏములున్ కాటెలు	Emulus Rathi Balli	NE	-	-
33	Mahbubnagar Yellow-tailed Brookish Gecko		మహబూబ్ నగర్ పశుపుత్తకగలా బల్లి	Mahbubnagar Pasuputhokagala Balli	NE	-	-
34	Yellow-bellied House Gecko		పసుపురంగు ఇంటి బల్లి	Pasupurangu Inti Balli	NE	-	-
35	Common House Gecko		సామాన్య ఇంటి బల్లి	Samanya Inti Balli	LC	-	-
36	Giant Leaf-toed Gecko		పెద్ద కాటెలు	Pedda Rathi Balli	LC	-	-
37	Gleadow's House Gecko		గల్డోన్ బల్లి	Gleadow's Balli	NE	-	-
38	Graceful Leaf-toed Gecko		అందమైన బల్లి	Andamalyana Balli	LC	-	-
39	Kanger Valley Rock Gecko ⁸		కాంగర్ రేవు బల్లి	Kanger Loya Balli	NE	-	-
40	Leschenault's Leaf-toed Gecko		లేశెనాల్స్ బల్లి	Leschenaults Balli	NE	-	-
41	Murray's House Gecko		ముర్రేస్ బల్లి	Murrays Balli	NE	-	-
42	Spotted House Gecko		చుక్కల బల్లి	Chukala Balli	NE	-	-
43	Reticulated Leaf-toed Gecko ⁹		సన్నపదాల బల్లి	Sana-Charala Balli	LC	-	-
44	Saxatile Leaf-toed Gecko		సాక్షిటాల బల్లి	Saxatile Rathi Balli	NE	-	-



	English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
45	Treutler's Gecko	<i>Hemidactylus treutleri</i> ^{P1}	Mahony, 2009	త్రౌటలర్స్ బల్లి	Treutlers Balli	LC	-	-
46	Termite Hill Gecko	<i>Hemidactylus triedrus</i> ^{INPK,SL}	(Daudin, 1802)	చెడలపుట బల్లి	Chedalaputta Balli	NE	-	-
47	Nalgonda Yellow-tailed Brookish Gecko	<i>Hemidactylus xericolus</i> ^{TS}	Lajmi, Giri, Singh & Agarwal, 2020	నాల్గొండ పశుమల్లేగ బల్లి	Nalgonda Pasuputhokagala Balli	NE	-	-
4. Family Lacertidae								
48	Leschenault's Snake-eyed Lizard	<i>Ophisops leschenaulti</i> ^{IN,SL}	(Milne-Edwards, 1829)	లేషెనాల్ట్ పాముకనూ బల్లి	Leschenaults Pamu-kanula Balli	LC	-	-
49	Jerdon's Snake-eye Lizard ¹⁰	<i>Ophisops jerdonii</i> ^{IN,INPK}	Blyth, 1853	జెర్డన్ పాముకనూ బల్లి	Jerdons Pamu-kanula Balli	LC	-	-
50	Lesser Snake-eyed Lizard ¹¹	<i>Ophisops nictans</i> ^{IN,SL}	Arnold, 1989	చిన్న పాముకనూ బల్లి	Chinna Pamu-kanula Balli	NE	-	-
5. Family Scincidae								
51	White-spotted Supple Skink	<i>Riopa albopunctata</i>	Gray, 1846	తెల్లపచ్చపూ నల్లకీర	Tella-machhala Naliki	NE	-	-
52	Günther's Writhing Skink ²²	<i>Riopa guentheri</i> ^{P1}	(Peters, 1879)	గుంథర్స్ నల్లకీర	Gunthers Naliki	LC	-	-
53	Common Spotted Supple Skink	<i>Riopa punctata</i>	(Linnaeus, 1758)	నల్లకీర	Naliki	NE	-	-
54	Allapalli Skink ²³	<i>Eutropis allapallensis</i> ^{R1}	(Schmidt, 1926)	అల్లపల్లి కాలసింద	Allapally Palapinde	LC	-	-
55	Ashwamedha Scrub Forest Skink ²⁴	<i>Eutropis ashwamedhi</i> ^{APTS}	(Sharma, 1969)	అశ్వమేధుని కాలసింద	Ashwamedhuni Palapinde	VU	-	-
56	Common Grass Skink	<i>Eutropis carinata</i> ^{SA}	(Schneider, 1801)	కాలసింద	Palapinde	LC	-	-
57	Bronze Skink	<i>Eutropis macularia</i>	(Blyth, 1853)	మందపచ్చపల కాలసింద	Machamachala Palapinde	NE	-	-
58	Nagarjunasagar Grass Skink ²⁵	<i>Eutropis nagarjunensis</i> ^{APTS}	(Sharma, 1969)	నాగార్జునసాగర్ కాలసింద	Nagarjunasagar Palapinde	NT	-	-
6. Family Varanidae								
59	Common Monitor Lizard	<i>Varanus bengalensis</i>	(Daudin, 1802)	మదుము	Vudumu	LC	Sch. I (Part II)	App. I
Ophidia (Serpentes)								
7. Family Typhlopidae								
60	Beaked Worm Snake	<i>Gryptotyphlops acutus</i> ^{R1}	(Duméril & Bibron, 1844)	ఎడదాముక్కూ పాము	Eddhumukku Paamu	LC	Sch. IV	-
61	Brahminy Worm Snake	<i>Indotyphlops braminus</i>	(Daudin, 1803)	గుడ్డి పాము	Guddi Paamu	NE	Sch. IV	-
8. Family Pythonidae								
62	Indian Rock Python	<i>Python molurus</i> ^{SA}	(Linnaeus, 1758)	కొండచీలువ	Konda Chiluwa	NE	Sch. I (Part II)	App. I
9. Family Boidae								
63	Common Sand Boa	<i>Eryx conicus</i> ^{SA}	(Schneider, 1801)	మట్టి పాము	Matti Paamu	NE	Sch. IV	App. II
64	Red Sand Boa	<i>Eryx johnii</i>	(Russell, 1801)	రెండముతుల పాము	Rendumoothula Paamu	NE	Sch. IV	App. II
10. Family Colubridae								
65	Indian Vine Snake	<i>Ahaetulla oxyrhynca</i> ^{IN}	(Bell, 1825)	పచ్చక	Pasarika	NE	Sch. IV	-
66	Yellow-green Cat Snake ²⁶	<i>Boliga flaviviridis</i> ^{IN}	Vogel & Ganesh, 2013	పసుపుపచ్చ పిల్లికన్ను పాము	Pasupapactha Pilli-kannu Paamu	NE	Sch. IV	-



English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
67 Forsten's Cat Snake ¹⁷	<i>Boiga forsteri</i> ^{IN,SL}	(Duméril et al., 1854)	భోరనాన పిల్లికానను పాము	Forsten Pili-kannu Paamu	LC	Sch. IV	-
68 Common Cat Snake	<i>Boiga trigonata</i>	(Schneider, 1802)	సామాన్య పిల్లికానను పాము	Samanya Pili-kannu Paamu	LC	Sch. IV	-
69 Indian Egg-eating Snake ¹⁸	<i>Boiga westernmanni</i> ^{IND,IN,MP}	(Reinhardt, 1863)	గుడ్డెముతిన పాము	Guddu-thine Paamu	NE	Sch. I (Part II)	App. II
70 Common Trinket Snake	<i>Coelognathus helena</i> ^{SA}	(Daudin, 1803)	మగారేకుల బొడ	Megarekula Poda	NE	Sch. IV	-
71 Indian Smooth Snake ¹⁹	<i>Wallophis brachyurus</i> ^{IN}	(Günther, 1866)	మల్లత్తిన పాము	Mettani Paamu	NE	Sch. IV	-
72 Common Bronzeback Snake	<i>Dendrelaphis tristis</i> ^{SA}	(Daudin, 1803)	చెత్తరీక	Chettirika	NE	Sch. IV	-
73 Slender Wolf Snake ²⁰	<i>Lycodon fasciolatus</i> ^{SA}	(Shaw, 1802)	సన్న కట్ర పాము	Sanna Katla Paamu	NE	Sch. IV	-
74 Common Wolf Snake	<i>Lycodon aulicus</i>	(Linnaeus, 1758)	టన్న కట్ర పాము	Chinna Katla Paamu	NE	Sch. IV	-
75 Yellow-collared Wolf Snake ²¹	<i>Lycodon flavicollis</i> ^{IN}	Mukherjee & Bhupathy, 2007	పసుపు మోడ టన్న కట్ర పాము	Pasupumeda Chinna Katla Paamu	NE	Sch. IV	-
76 Yellow-spotted Wolf Snake ²²	<i>Lycodon flavomaculatus</i> ^{IN}	Wall, 1907	పసుపుమచ్చల టన్న కట్ర పాము	Pasupumachala Chinna Katla Paamu	LC	Sch. IV	-
77 Bridal Snake ²³	<i>Lycodon nympha</i> ^{IN,SL}	(Daudin, 1803)	వనదీవర పాము	Vanadevatha Paamu	NE	Sch. IV	-
78 Barred Wolf Snake	<i>Lycodon striatus</i>	(Shaw, 1802)	దారల కట్ర పాము	Charala Katla Paamu	NE	Sch. IV	-
79 Streaked Kukri Snake	<i>Oligodon taeniolatus</i>	(Jerdon, 1853)	సామాన్య కుకరీ పాము	Chinna Kukri Paamu	NE	Sch. IV	-
80 Russell's Kukri Snake ²⁴	<i>Oligodon russellii</i> ^{IN}	(Daudin, 1803)	రషల్స్ కుకరీ పాము	Russells Kukri Paamu	LC	Sch. IV	-
81 Nagarjunasagar Racer ²⁵	<i>Platyceps bholanathi</i> ^{IN}	(Sharma, 1976)	నాగరజునాగర్ పాము	Nagarjunasagar Paamu	DD	Sch. IV	-
82 Banded Racer	<i>Platyceps plinii</i> ^{SA}	(Merrem, 1820)	శ్రీవత్ నాగు	Shwetha Naagu	NE	Sch. IV	-
83 Indian Rat Snake	<i>Ptyas mucosa</i>	(Linnaeus, 1758)	జిరిగోడడు	Jerri Goddu	NE	Sch. II (Part II)	App. II
84 Dumeril's Black-headed Snake ²⁶	<i>Sibynophis subpunctatus</i> ^{IND,IN,SL}	(Duméril, Bibron & Duméril, 1854)	టన్న నలాతల పాము	Chinna Nalathala Paamu	NE	Sch. IV	-
11. Family Natricidae							
85 Buff-striped Keelback	<i>Amphiesma stolatum</i>	(Linnaeus, 1758)	వాన కేయలా	Vaana Koyila	NE	Sch. IV	-
86 Olive Keelback ²⁷	<i>Atretium schistosum</i> ^{SA}	(Daudin, 1803)	వాన పాము	Vaana Paamu	LC	Sch. II (Part II)	App. III
87 Checkered Keelback	<i>Fowlea piscator</i>	(Schneider, 1799)	నీరుకట్ట పాము	Neerukatte Paamu	NE	Sch. II (Part II)	App. III
88 Green Keelback	<i>Rhabdophis plumbicolor</i>	(Cantor, 1839)	వనప పాము	Vanapa Paamu	NE	Sch. IV	-
12. Family Psammophidae							
89 Indian Sand Snake ²⁸	<i>Psammophis condanarus</i>	(Merrem, 1820)	ఇసుక పాము	Isuka Paamu	LC	-	-
90 Stout Sand Snake ²⁹	<i>Psammophis langifrons</i> ^{IND,IN,SL}	Boulenger, 1890	బొడడు ఇసుక పాము	Boddu Isuka Paamu	LC	-	-
13. Family Elapidae							
91 Common Indian Krait	<i>Bungarus caeruleus</i> ^{IN,IN,SL}	(Schneider, 1801)	కట్ర పాము	Katla Paamu	NE	Sch. IV	-
92 Banded Krait ³⁰	<i>Bungarus fasciatus</i>	(Schneider, 1801)	బంగారు కట్ర పాము	Bangaru Katla Paamu	LC	Sch. IV	-
93 Slender Coral Snake ³¹	<i>Calliophis melanurus</i> ^{SA}	(Shaw, 1802)	సన్న పగడమ పాము	Sanani Padagapu Paamu	NE	Sch. IV	-



English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
94 Spectacled Cobra	<i>Naja naja</i> ^{5A}	(Linnaeus, 1758)	నాగు పాము	Naagu Paamu	NE	Sch. II (Part II)	App. II
14. Family Viperidae							
95 Russell's Viper	<i>Daboia russellii</i> ^{5A}	(Shaw & Nodder, 1797)	రక్తా పింజరా	Raktha Pinjara	NE	Sch. II (Part II)	App. III
96 Saw-scaled Viper	<i>Echis carinatus</i>	(Schneider, 1801)	ఛిన్న పింజరా	Chinna Pinjara	NE	Sch. IV	-
97 Bamboo Pit Viper	<i>Trimeresurus gramineus</i> ^{PI}	(Shaw, 1802)	వెదురు పాము	Veduru Paamu	LC	Sch. IV	-
15. Family Uropeltidae							
98 Elliot's Shieldtail Snake ³²	<i>Uropeltis ellioti</i> ^{PI}	(Gray, 1858)	ఎలియట్స్ షీల్డ్ టైల్ పాము	Elliot's Mannu Paamu	LC	Sch. IV	-

Key: *Vernacular names are those expressly coined anew by the authors of this paper and they are not necessarily what is there in common dialect in Telangana State | DD—Data Deficient | LC—Least Concern | NE—Not Evaluated | VU—Vulnerable | AF—Afghanistan | BD—Bangladesh | IN—India | NP—Nepal | PK—Pakistan | SL—Sri Lanka | PI—Peninsular India | SA—Southern Asia | AP—Andhra Pradesh | CG—Chhattisgarh | KAR—Karnataka | MH—Maharashtra | TS—Telangana | Sch.—Schedule | App.—Appendix.

¹Known from Hyderabad, Karimnagar, Komaram Bheem Asifabad, Medak, Medchal-Malkajigiri, Nagarkurnool, Nalgonda, Nirmal, Nizamabad and Sangareddy districts (C. Srinivasulu & G.C. Kumar pers. obs.)

²Known from Medchal-Malkajigiri and Nalgonda districts (Ganesh et al. 2020)

³Due to recent taxonomic changes, species identification needs to be resolved; perhaps more species might be present in Telangana State

⁴Known historically from Nagarjunasagar dam area in Nalgonda district (Sharma 1971)

⁵Known historically from Nagarjunasagar dam area in Nalgonda district (Sharma 1971)

⁶Known from Nirmal district, Nagarkurnool district and Nalgonda district (C. Srinivasulu pers. obs.)

⁷Known from Nagarjunasagar dam area in Nalgonda district (M. Seetharamaraju & G.C. Kumar pers. obs.)

⁸Known from Khammam Fort, Khammam district (Mirza et al. 2017)

⁹Known from Hyderabad, Nalgonda, and Warangal Urban districts (Kumar et al. 2015)

¹⁰Known from Warangal Urban district (G.C. Kumar pers. obs.)

¹¹Known from Adilabad district (Agarwal et al. 2018)

¹²Known from Nalgonda and Adilabad districts (Javed et al. 2010)

¹³Known from Adilabad, Komaram Bheem Asifabad and Nirmal districts (C. Srinivasulu & G.C. Kumar pers. obs.)

¹⁴Known historically from Nagarjunasagar dam area in Nalgonda district (Srinivasulu et al. 2016)

¹⁵Known from Nagarkurnool, Nalgonda, Ranga Reddy, and Wanaparthy districts (Narayana et al. 2017)

¹⁶Known from Jangaon district (Choure et al. 2021)

¹⁷Known from Bhadradi Kothagudem, Jayashankar Bhupalapally, Nagarkurnool, and Warangal Rural districts (G.C. Kumar, A. Visvanath & C. Srinivasulu pers. obs.)

¹⁸Known from Mancherial, Ranga Reddy, Sangareddy and Vikarabad districts (Mohan et al. 2018)

¹⁹Known from a single record near Vikarabad, Vikarabad district (A. Visvanath pers. obs. June 2016)

²⁰Known from Hyderabad, Medchal-Malkajigiri, Ranga Reddy, and Sangareddy districts (A. Visvanath pers. obs.)

²¹Known from Hyderabad, Medchal-Malkajigiri, Peddapalli, Ranga Reddy, Sangareddy, and Wanaparthy districts (A. Visvanath pers. obs.)

²²Known from Neredgonda, near Kuntala, Adilabad district (G.C. Kumar pers. obs.) and Belgaon, Jainath mandal, Adilabad (Anne & Visvanathan 2018)

²³Known from Adilabad, Hyderabad, and Medchal-Malkajigiri districts (Whitaker & Captain 2004; C. Srinivasulu & M. Seetharamaraju pers. obs.)

²⁴Known from Hyderabad, Mancherial, Medchal-Malkajigiri, Nagarkurnool, Nirmal, Nizamabad, Peddapalli, Ranga Reddy, and Wanaparthy districts (Narayana & Sandeep 2021)

²⁵Known from Hyderabad, Kamareddy, Medchal-Malkajigiri, Nagarkurnool, and Sangareddy districts (Kumar et al. 2017a)

²⁶Known from Kamareddy, Komaram Bheem Asifabad, Medchal-Malkajigiri, Nagarkurnool, and Ranga Reddy districts (Kumar et al. 2017a)

²⁷Known from Kamareddy, Hyderabad, Medchal-Malkajigiri, Nalgonda, and Sangareddy districts (C. Srinivasulu & M. Seetharamaraju pers. obs.)

²⁸Known from Nallamala Hills, Nagarkurnool and near Koppole, Nalgonda district (C. Srinivasulu pers. obs.)

²⁹Known from Medchal-Malkajigiri and Ranga Reddy districts (Visvanathan et al. 2017)

³⁰Known from Jayashankar Bhupalapally and Mulugu districts (Srinivasulu et al. 2009)

³¹Known from Nalgonda district (Seetharamaraju et al. 2019)

³²Known from Ekalapenta in Nallamala Hills in Nagarkurnool district (S. Sadashivaiah pers. comm. April 2021)

Table 2. Species names removed from the final list of herpetofauna known from Telangana State, India.

Class	Family	Species	Reason	Reference
Amphibia	Dicroglossidae	<i>Euphlyctis hexadactylus</i> (Lesson, 1834)	This species is known only from the wetlands of coastal plains of India	Frost (2022)
		<i>Fejervarya limnocharis</i> (Gravenhorst, 1829)	This species is now restricted to southeastern Asia; populations from Indian subcontinent assigned to this nomen represent other species	Frost (2022) Ganesh et al. (2017)
		<i>Sphaerotheca dobsonii</i> (Boulenger, 1882)	This species is now restricted to Western Ghats, India	Dahanukar et al. (2017), Prasad et al. (2019)
		<i>Sphaerotheca rolandae</i> (Dubois, 1983)	This species is now restricted to Sri Lanka	Prasad et al. (2019)
Reptilia	Agamidae	<i>Sitana ponticeriana</i> Cuvier, 1829	This species is now restricted to Tamil Nadu, Andhra Pradesh, and Odisha, India	Deepak et al. (2018)
		<i>Draco dussumieri</i> A.M.C. Duméril & Bibron, 1837	This species is not present in Telangana. Narayana & Bharath (2021) inadvertently included this in their checklist.	
	Gekkonidae	<i>Hemidactylus brookii</i> Gray, 1845	This species is now restricted to southeastern Asia; populations from the Indian subcontinent assigned to this nomen have been reassigned to other available nomen or have been provided new nomen	Lajmi et al. (2016)
	Colubridae	<i>Ahaetulla nasuta</i> (Lacépède, 1789)	This species is now restricted to Sri Lanka	Mallik et al. (2020)
		<i>Argyrogena fasciolata</i> (Shaw, 1802)	Due to taxonomic revision, this species has been assigned to the genus <i>Lycodon</i> , hence currently accepted as <i>Lycodon fasciolata</i> (Shaw, 1802). However, its presence in Telangana needs to be confirmed. Earlier records assigned to <i>A. fasciolata</i> (Shaw, 1802) is now assigned to <i>Platyceps plinii</i> (Merrem, 1820)	Deepak et al. (2021)
		<i>Chrysopelea ornata</i> (Shaw, 1802)	Known from a single record from a commercial timber depot in Hyderabad; a case of accidental introduction through timber transportation	
	Homalopsidae	<i>Enhydrys enhydryis</i> (Schneider, 1799)	In Indian subcontinent, this species is known from the large wetlands of coastal plains in Eastern India north of Krishna river in Andhra Pradesh through Nepal and northeastern India, and northern Sri Lanka	Karns et al. (2010)

four species belonging to family Bufonidae, six species to Microhylidae, five species to Dicroglossidae, and one species to Rhacophoridae. The reptilian diversity is represented by one species belonging to one family Crocodylidae in order Crocodylia, six species in three families: Testudinidae, Geomydidae & Trionychidae, in order Testudines, 72 species in 15 families in order Squamata. Among the squamates, 33 species belonging to six families are saurids, while 39 species belonging to nine families are serpents.

Among the amphibians, two species are endemic to India (with one to peninsular India), 11 species endemic to South Asia (one species from India and Sri Lanka, rest from more than two countries in South Asia). Among the reptiles, three species of reptiles (*Hemidactylus flavicaudus* Lajmi, Giri, Singh & Agarwal, 2020; *H. xericolus* Lajmi, Giri, Singh & Agarwal, 2020; and *H. aemulus* Kumar, Srinivasulu & Srinivasulu, 2022) are endemic to Telangana State, 27 species are endemic to India (with 19 from peninsular India), 26 species endemic to southern Asia (seven species from at least two countries, five species from three countries, and rest from more than three countries in southern Asia). One species of snake, the Ornate Flying Snake *Chrysopelea ornata*, was discovered in a timber depot in Hyderabad

in July 2017 and is thought to have been inadvertently transported to the urban ecosystem by a timber truck.

As per the IUCN Red List database, the amphibian diversity of Telangana includes 14 Least Concern species, one species—*Duttaphrynus hololius*—as Data Deficient, and one species—*Euphlyctis cyanophlyctis*—is Not Evaluated. Amongst the reptiles, five species—*Crocodylus palustris*, *Geochelone elegans*, *Nilssoniana gangetica*, *N. leithii*, and *Eutropis ashwamedhi*—are listed as Vulnerable. Two species—*Melanochelys trijuga* and *Eutropis nagarjunensis*—are Near Threatened, while one species—*Platyceps bholanathi*—is Data Deficient. As many as 26 species are of Least Concern, and 44 species are yet to be evaluated.

Among amphibians, only two species—*Hoplobatrachus crassus* and *H. tigerinus*—are included in Schedule IV of Indian Wildlife (Protection) Act, 1972. The latter species is also included in Appendix III of CITES. Among reptiles, six species are included in Schedule I, six species are included in Schedule II, and 35 species are included in Schedule IV of Indian Wildlife (Protection) Act, 1972. As many as 18 species are included in CITES list—five species in Appendix I, 10 species in Appendix II, and three species in Appendix III.

While compiling this list we have detected 10 species

that have been included in earlier lists that we have removed due to taxonomic reasons and/or distribution mismatch (Table 2). Furthermore, we have not included two species—*Minervarya syhadrensis* Annandale, 1919 and *Microhyla nilpharmariensis* Howlader, Nair, Gopalan & Merilä, 2015—included in the recent lists by Dinesh et al. (2021), and Narayana & Bharath (2021) due to lack of voucher specimen-based record of the presence of the species in Telangana. These works included those taxa that are considered to have wide distribution range according to Garg et al. (2018) and Phuge et al. (2020).

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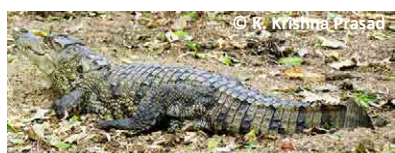
Image 1. *Duttaphrynus melanostictus*Image 2. *Duttaphrynus peninsularis*Image 3. *Duttaphrynus hololius*Image 4. *Euphlyctis cyanophlyctis*Image 5. *Minervarya agricola*Image 6. *Hoplobatrachus tigerinus*Image 7. *Sphaerotheca breviceps*Image 8. *Microhyla ornata*Image 9. *Microhyla rubra*Image 10. *Uperodon taprobanicus*Image 11. *Uperodon systoma*Image 12. *Polypedates maculatus*Image 13. *Crocodylus palustris*Image 14. *Geochelone elegans*Image 15. *Melanochelys trijuga*



Image 16. *Lissemys punctata*



Image 19. *Sitana spinaecephalus*



Image 22. *Hemidactylus flaviviridis*



Image 25. *Hemidactylus gleadowi*



Image 28. *Hemidactylus parvimaclatus*



Image 17. *Calotes vultuosus*



Image 20. *Chamaeleo zeylanica*



Image 23. *Hemidactylus frenatus*



Image 26. *Hemidactylus gracilis*



Image 18. *Psammophilus blanfordianus*



Image 21. *Hemidactylus aemulus*



Image 24. *Hemidactylus giganteus*



Image 27. *Hemidactylus leschenaultii* (© G. Chethan Kumar)



Image 29. *Hemidactylus reticulatus*

Image 30. *Hemidactylus treutleri*Image 33. *Riopa punctata*Image 36. *Eutropis nagarjunensis*Image 39. *Grypotyphlops acutus*Image 31. *Hemidactylus triedrus*Image 34. *Eutropis ashwamedhi*Image 37. *Indotyphlops braminus*Image 40. *Eryx conicus*Image 32. *Ophisops leschenaultii*Image 35. *Eutropis carinata*Image 38. *Varanus bengalensis*Image 41. *Python molurus*Image 42. *Eryx johnii*

Image 43. *Ahaetulla oxyrhynca*Image 44. *Boiga trigonata*Image 45. *Boiga westermanni*Image 46. *Coelognathus helena*Image 47. *Lycodon flavicollis*Image 48. *Dendrelaphis tristis*Image 49. *Lycodon fascioltaus*Image 50. *Oligodon russellius*Image 51. *Lycodon nympha*Image 52. *Lycodon striatus*Image 53. *Daboia russelii*Image 54. *Oligodon taeniolatus*Image 55. *Naja naja*

Image 56. *Platyceps bholanathi*Image 57. *Platyceps plinii*Image 58. *Ptyas mucosa*Image 59. *Sibynophis subpunctatus*Image 60. *Amphiesma stolatum*Image 61. *Atretium schistosum*Image 62. *Fowlea piscator*Image 63. *Rhabdophis plumbicolor*Image 64. *Calliophis melanurus*Image 65. *Psammophis longifrons*Image 66. *Bungarus caeruleus*Image 67. *Echis carinatus*Image 68. *Uropeltis ellioti*

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