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No. 12, Thiruvannamalai Nagar, Saravanampatti - Kalapatti Road, Saravanampatti,
Coimbatore, Tamil Nadu 641035, India
Ph: +91 9385339863 | www.threatenedtaxa.org
Email: sanjay@threatenedtaxa.org

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

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REVIEW

A checklist of herpetofauna of Telangana state, India

Chelmala Srinivasulu [1] & **Gandla Chethan Kumar** [2]

[1] Natural History Museum and Wildlife Biology and Taxonomy Lab, Department of Zoology, University College of Science, Osmania University, Hyderabad, Telangana 500007, India.

[1,2] Centre for Biodiversity and Conservation Studies, Osmania University, Hyderabad , Telangana 500007, India.

[1] Systematics, Ecology & Conservation Laboratory, Zoo Outreach Organization, No. 12 Thiruvannamalai Nagar, Saravanampatti, Coimbatore, Tamil Nadu 641035, India.

[1] chelmala.srinivasulu@osmania.ac.in (corresponding author), [2] g.chethankumar@gmail.com

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 endemicity 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 జాబితా ఈ పేపర్‌లో అందించబడింది. వీరతి జాతి యొక్క సాంకేతిక పేరు, పేరు రచయిత, మొదటి వివరణ సంవత్సరం, ఆంగ్ల పేరు, తెలుగు పేరు, IUCN వర్గం, భారతీయ వన్యప్రాణి (సంరక్షణ) చట్టం, 1972 వర్గం, CITES వర్గం మరియు స్థానికత ఇందులో అందించబడింది. ఈ వైవిధ్యంలో నాలుగు కుటుంబాలకు చెందిన 16 రకాల ఉభయచరాలు, ఒక జాతి మొసలి, ఆరు రకాల తాబేళ్లు, 35 రకాల బల్లులు మరియు 40 రకాల పాములు ఉన్నాయి. హెమిడాక్టిలస్ ఫ్లావికాడస్, హెమిడాక్టిలస్ జెరికోలస్ మరియు హెమిడాక్టిలస్ ఎములస్ అనే మూడు జాతులు బల్లులు తెలంగాణ రాష్ట్రంలో మాత్రమే కనిపిస్తాయి.

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Author details: Chelmala Srinivasulu is the head of Wildlife Biology and Taxonomy Laboratory, Department of Zoology, Osmania University, India and is working on the diversity and taxonomy of vertebrates in South Asia. Gandla Chethan Kumar is a Post Doctoral Fellow at Centre for Biodiversity and Conservation Studies, Osmania University, India and is working on documenting herpetofaunal diversity and taxonomy of gekkonids in peninsular India.

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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 ^{O}N, 77.238–81.307 ^{O}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 km^2. 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	*Duttaphrynus melanostictus*	(Schneider, 1799)	సామాన్య కప్ప	Samanya Kappa	LC	-	-
2	Schneider's Toad[1]	*Duttaphrynus scaber* [IN,SL]	(Schneider, 1799)	స్నేకనైడర్స కప్ప	Schneiders Kappa	LC	-	-
3	Deccan Toad	*Duttaphrynus peninsularis*	(Rao, 1920)	పాలరాతి కప్ప	Palarati Kappa	LC	-	-
4	Günther's Toad[2]	*Duttaphrynus hololius* [PI]	(Günther, 1876)	గుంతర్స కప్ప	Gunthers Kappa	DD	-	-
2. Family Dicroglossidae								
5	Indian Skipper Frog	*Euphlyctis cyanophlyctis*	(Schneider, 1799)	చీరుమ కప్ప	Cheruvu Kappa	NE	-	-
6	Orissa Cricket Frog[3]	*Fejervarya orissaensis* [SA]	(Dutta, 1997)	ఒడిషా వరి నేను కప్ప	Odisha Vari Senu Kappa	LC	-	-
7	Common Indian Cricket Frog	*Minervarya agricola* [SA]	(Jerdon, 1853)	సామాన్య క్రికెట్ కప్ప	Samanya Cricket Kappa	LC	-	-
8	Jerdon's Bullfrog	*Hoplobatrachus crassus* [SA]	(Jerdon, 1854)	జరడన్స కప్ప	Jerdon's Kappa	LC	Sch. IV	-
9	Indian Bullfrog	*Hoplobatrachus tigerinus* [SA]	(Daudin, 1803)	గందరు కప్ప	Gandru Kappa	LC	Sch. IV	App. II
10	Indian Burrowing Frog	*Sphaerotheca breviceps* [SA]	(Schneider, 1799)	బొరయలు కప్ప	Boriyalu Kappa	LC	-	-
3. Family Microhylidae								
11	Ornate Narrow-mouth Frog	*Microhyla ornata* [SA]	(Duméril & Bibron, 1841)	అలంకృత చిన్న కప్ప	Alankrita Chinna Kappa	LC	-	-
12	Red Narrow-mouth Frog	*Microhyla rubra* [IN]	(Jerdon, 1854)	ఏరుపు చిన్న కప్ప	Erupu Chinna Kappa	LC	-	-
13	Sri Lankan Painted Frog	*Uperodon taprobanicus* [SA]	(Parker, 1934)	చితీరించిన గలిబుడుగా కప్ప	Chitrinchina Galibuduga Kappa	LC	-	-
14	Variegated Ramanella	*Uperodon variegatus* [SA]	(Stoliczka, 1872)	రంగురంగుల గలిబుడుగా కప్ప	Rangurangula Galibuduga Kappa	LC	-	-
15	Indian Balloon Frog	*Uperodon globulosus* [SA]	(Günther, 1864)	సామాన్య గలిబుడుగా కప్ప	Samanya Galibuduga Kappa	LC	-	-
16	Marbled Balloon Frog	*Uperodon systoma* [SA]	(Schneider, 1799)	పాలరాతి గలిబుడుగా కప్ప	Palarati Galibuduga Kappa	LC	-	-
4. Family Rhacophoridae								
17	Indian Tree Frog	*Polypedates maculatus* [SA]	(Gray, 1830)	సున్నం కప్ప	Sunnam Kappa	LC	-	-
II. Order Crocodylia								
1. Family Crocodylidae								
18	Mugger Crocodile	*Crocodylus palustris*	Lesson, 1831	మొసలి	Mosali	VU	Sch. I (Part II)	App. I
III. Order Testudines								
1. Family Testudinidae								
19	Indian Star Tortoise	*Geochelone elegans* [IN,SL]	(Schoepff, 1795)	నక్షత్ర తాబేలు	Nakshatra Tabelu	VU	Sch. IV	App. I
2. Family Geomydidae								
20	Indian Tent Turtle	*Pangshura tentoria* [BD,IN]	(Gray, 1834)	సామాన్య డేరా తాబేలు	Samanya Dera Tabelu	LC	Sch. IV	App. II

	English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
21	Indian Black Turtle	*Melanochelys trijuga*	(Schweigger, 1812)	నియే తాబేలు	Nuiye Tabelu	NT	Sch. IV	App. II
3. Family Trionychidae								
22	Indian Flap-shelled Turtle	*Lissemys punctata* [SA]	(Bonnaterre, 1789)	రెక్కచిప్ప తాబేలు	Rekka-chippa Tabelu	LC	Sch. I (Part II)	App. II
23	Ganges Soft-shelled Turtle[4]	*Nilssonia gangetica* [BD,IN,PK]	(Cuvier, 1825)	గంగమ్మ మెత్తనిచిప్ప తాబేలు	Gangamma Mettani-chippa Tabelu	VU	Sch. I (Part II)	App. I
24	Leith's Soft-shelled Turtle[5]	*Nilssonia leithii* [IN]	(Gray, 1872)	లేతన్ మెత్తనిచిప్ప తాబేలు	Leiths Mettani-chippa Tabelu	VU	Sch. IV	App. II
IV. Order Squamata								
Sauria (Lacertilia)								
1. Family Agamidae								
25	Forest Calotes[6]	*Monilesaurus* cf. *rouxii* [IN]	Dumeril & Bibron, 1837	అడవి తొండ	Adavi Thonda	LC	-	-
26	Common Garden Lizard	*Calotes vultuosus*	(Harlan, 1825)	సామాన్య తొండ	Samanya Thonda	NE	-	-
27	Blanford's Rock Agama	*Psammophilus blanfordanus* [IN]	(Stoliczka, 1871)	చిన్న బోలీస్ తొండ	Chinna Polees Thonda	LC	-	-
28	Peninsular Rock Agama	*Psammophilus dorsalis* [PI]	(Gray, 1831)	బోలీస్ తొండ	Polees Thonda	LC	-	-
29	Spiny-headed Fan-throated Lizard	*Sitana spinaecephalus* [IN]	Deepak, Vyas & Giri, 2016	సీతమ్మ తొండ	Sitamma Thonda	NE	-	-
30	Nagarjunasagar Fan-throated Lizard[7]	*Sitana thondalu* [AP,TS]	Deepak, Khandekar, Chaitanya & Karanth, 2018	నాగార్జునసాగర్ తొండ	Nagarjunasagar Thonda	NE		
2. Family Chamaeleonidae								
31	Indian Chameleon	*Chamaeleo zeylanicus* [IN, SL]	Laurenti, 1768	ఊసరవల్లి	Usaravalli	LC	Sch. II (Part I)	App. II
3. Family Gekkonidae								
32	Emulous leaf-toed gecko	*Hemidactylus aemulus* [TS]	Kumar, Srinivasulu & Srinivasulu, 2022	ఏములున్ రాతి బల్లి	Emulus Rathi Balli	NE	-	-
33	Mahbubnagar Yellow-tailed Brookish Gecko	*Hemidactylus flavicaudus* [TS]	Lajmi, Giri, Singh & Agarwal, 2020	మహబూబ్‌నగర్ పశుపుతోకగల బల్లి	Mahbubnagar Pasuputhokagala Balli	NE	-	-
34	Yellow-bellied House Gecko	*Hemidactylus flaviviridis*	Rüppell, 1835	పసుపురంగు ఇంటి బల్లి	Pasupurangu Inti Balli	NE	-	-
35	Common House Gecko	*Hemidactylus frenatus*	Duméril & Bibron, 1836	సామాన్య ఇంటి బల్లి	Samanya Inti Balli	LC	-	-
36	Giant Leaf-toed Gecko	*Hemidactylus giganteus* [PI]	Stoliczka, 1871	పెద్ద రాతి బల్లి	Pedda Rathi Balli	LC	-	-
37	Gleadow's House Gecko	*Hemidactylus* cf. *gleadowi* [IN,PK]	Murray, 1884	గలేడోన్ బల్లి	Gleadows Balli	NE	-	-
38	Graceful Leaf-toed Gecko	*Hemidactylus gracilis* [IN]	Blanford, 1870	అందమైయాన బల్లి	Andamaiyana Balli	LC	-	-
39	Kanger Valley Rock Gecko[8]	*Hemidactylus kangerensis* [CG,TS]	Mirza, Bhosale & Patil, 2017	కాంగెర్ లోయ బల్లి	Kanger Loya Balli	NE	-	-
40	Leschenault's Leaf-toed Gecko	*Hemidactylus leschenaultii*	Duméril & Bibron, 1836	లేసేనాలటన్ బల్లి	Leschenaults Balli	NE	-	-
41	Murray's House Gecko	*Hemidactylus murrayi*	Gleadow, 1887	ముర్రేస్ బల్లి	Murrays Balli	NE	-	-
42	Spotted House Gecko	*Hemidactylus parvimaculatus*	Deraniyagala, 1953	చుక్కల బల్లి	Chukala Balli	NE	-	-
43	Reticulated Leaf-toed Gecko[9]	*Hemidactylus reticulatus* [PI]	Beddome, 1870	సన్నచారల బల్లి	Sana-Charala Balli	LC	-	-
44	Saxatile Leaf-toed Gecko	*Hemidactylus saxicolus* [TS,KAR]	Kumar, Srinivasulu & Srinivasulu, 2022	నాకేవాటయిలే రాతి బల్లి	Saxatile Rathi Balli	NE	-	-

	English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
45	Treutler's Gecko	*Hemidactylus treutleri* [PI]	Mahony, 2009	తీరుతలరీస బల్లి	Treutlers Balli	LC	-	-
46	Termite Hill Gecko	*Hemidactylus triedrus* [IN,PK,SL]	(Daudin, 1802)	చెడ్డలపుట్ట బల్లి	Chedalaputta Balli	NE	-	-
47	Nalgonda Yellow-tailed Brookish Gecko	*Hemidactylus xericolus* [TS]	Lajmi, Giri, Singh & Agarwal, 2020	నాలగొండ పళపుతోకగల బల్లి	Nalgonda Pasuputhokagala Balli	NE		
4. Family Lacertidae								
48	Leschenault's Snake-eyed Lizard	*Ophisops leschenaultii* [IN,SL]	(Milne-Edwards, 1829)	లేనేనాలటన్ పాము□కనులా బల్లి	Leschenaults Pamu-kanula Balli	LC	-	-
49	Jerdon's Snake-eye Lizard[10]	*Ophisops jerdonii* [AF,IN,PK]	Blyth, 1853	జరడన్స పాము□కనులా బల్లి	Jerdons Pamu-kanula Balli	LC	-	-
50	Lesser Snake-eyed Lizard[11]	*Ophisops nictans* [IN,SL]	Arnold, 1989	చిన్న పాము□కనులా బల్లి	Chinna Pamu-kanula Balli	NE	-	-
5. Family Scincidae								
51	White-spotted Supple Skink	*Riopa albopunctata*	Gray, 1846	తెళ□మచ్చలా నలికీర	Tella-machhala Nalikiri	NE	-	-
52	Günther's Writhing Skink[12]	*Riopa guentheri* [PI]	(Peters, 1879)	గుంతరీస నలికీర	Gunthers Nalikiri	LC	-	-
53	Common Spotted Supple Skink	*Riopa punctata*	(Linnaeus, 1758)	నలికీర	Nalikiri	NE	-	-
54	Allapalli Skink[13]	*Eutropis allapallensis* [PI]	(Schmidt, 1926)	ఆలేలపల్లి పాలపింది	Allapally Palapinde	LC	-	-
55	Ashwamedha Scrub Forest Skink[14]	*Eutropis ashwamedhi* [AP,TS]	(Sharma, 1969)	ఆశ్వమేధుని పాలపింది	Ashwamedhuni Palapinde	VU	-	-
56	Common Grass Skink	*Eutropis carinata* [SA]	(Schneider, 1801)	పాలపింది	Palapinde	LC	-	-
57	Bronze Skink	*Eutropis macularia*	(Blyth, 1853)	మచ్చమచ్చల పాలపింది	Machamachala Palapinde	NE	-	-
58	Nagarjunasagar Grass Skink[15]	*Eutropis nagarjunensis* [AP,TS]	(Sharma, 1969)	నాగారీజునసాగరీ పాలపింది	Nagarjunasagar Palapinde	NT	-	-
6. Family Varanidae								
59	Common Monitor Lizard	*Varanus bengalensis*	(Daudin, 1802)	మదుము	Vudumu	LC	Sch. I (Part II)	App. I
Ophidia (Serpentes)								
7. Family Typhlophidae								
60	Beaked Worm Snake	*Grypotyphlops acutus* [PI]	(Duméril & Bibron, 1844)	ఎడ్డూముక్కీకూ పాము	Eddhumukku Paamu	LC	Sch. IV	-
61	Brahminy Worm Snake	*Indotyphlops braminus*	(Daudin, 1803)	గుడ్డి పాము	Guddi Paamu	NE	Sch. IV	-
8. Family Pythonidae								
62	Indian Rock Python	*Python molurus* [SA]	(Linnaeus, 1758)	కొండచిలువ	Konda Chiluva	NE	Sch. I (Part II)	App. I
9. Family Boidae								
63	Common Sand Boa	*Eryx conicus* [SA]	(Schneider, 1801)	మట్టి పాము	Matti Paamu	NE	Sch. IV	App. II
64	Red Sand Boa	*Eryx johnii*	(Russell, 1801)	రెండుముతుల పాము	Rendumoothula Paamu	NE	Sch. IV	App. II
10. Family Colubridae								
65	Indian Vine Snake	*Ahaetulla oxyrhynca* [IN]	(Bell, 1825)	పసరిక	Pasarika	NE	Sch. IV	-
66	Yellow-green Cat Snake[16]	*Boiga flaviviridis* [IN]	Vogel & Ganesh, 2013	పసుపుపచ్చ పిల్లి□కన్ను పాము	Pasupupaccha Pilli-kannu Paamu	NE	Sch. IV	-

	English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
67	Forsten's Cat Snake[17]	*Boiga forsteni* [IN,SL]	(Duméril et al., 1854)	ఫోరస్టన్ పిల్లి□కన్ను పాము	Forsten Pilli-kannu Paamu	LC	Sch. IV	-
68	Common Cat Snake	*Boiga trigonata*	(Schneider, 1802)	సామాన్య పిల్లి□కన్ను పాము	Samanya Pilli-kannu Paamu	LC	Sch. IV	-
69	Indian Egg-eating Snake[18]	*Boiga westermanni* [BD,IN,NP]	(Reinhardt, 1863)	గుడ్డు□తిని పాము	Guddu-thine Paamu	NE	Sch. I (Part II)	App. II
70	Common Trinket Snake	*Coelognathus helena* [SA]	(Daudin, 1803)	మొగారేకుల పోద	Megarekula Poda	NE	Sch. IV	-
71	Indian Smooth Snake[19]	*Wallophis brachyurus* [IN]	(Günther, 1866)	మెత్తని పాము	Mettani Paamu	NE	Sch. IV	-
72	Common Bronzeback Snake	*Dendrelaphis tristis* [SA]	(Daudin, 1803)	చెత్తిరిక	Chettirika	NE	Sch. IV	-
73	Slender Wolf Snake[20]	*Lycodon fasciolatus* [SA]	(Shaw, 1802)	సన్న కట్ల పాము	Sanna Katla Paamu	NE	Sch. IV	-
74	Common Wolf Snake	*Lycodon aulicus*	(Linnaeus, 1758)	చిన్న కట్ల పాము	Chinna Katla Paamu	NE	Sch. IV	-
75	Yellow-collared Wolf Snake[21]	*Lycodon flavicollis* [PI]	Mukherjee & Bhupathy, 2007	పసుపు మేడ చిన్న కట్ల పాము	Pasupumeda Chinna Katla Paamu	NE	Sch. IV	-
76	Yellow-spotted Wolf Snake[22]	*Lycodon flavomaculatus* [PI]	Wall, 1907	పసుపుమచ్చల చిన్న కట్ల పాము	Pasupumachala Chinna Katla Paamu	LC	Sch. IV	-
77	Bridal Snake[23]	*Lycodon nympha* [IN,SL]	(Daudin, 1803)	వనదేవత పాము	Vanadevatha Paamu	NE	Sch. IV	-
78	Barred Wolf Snake	*Lycodon striatus*	(Shaw, 1802)	చారల కట్ల పాము	Charala Kalta Paamu	NE	Sch. IV	-
79	Streaked Kukri Snake	*Oligodon taeniolatus*	(Jerdon, 1853)	సామాన్య కుకీరి పాము	Chinna Kukri Paamu	NE	Sch. IV	-
80	Russell's Kukri Snake[24]	*Oligodon russellius* [IN]	(Daudin, 1803)	రసెల్స కుకీరి పాము	Russells Kukri Paamu	LC	Sch. IV	-
81	Nagarjunsagar Racer[25]	*Platyceps bholanathi* [PI]	(Sharma, 1976)	నాగార్జునసాగర్ పాము	Nagarjunasagar Paamu	DD	Sch. IV	-
82	Banded Racer	*Platyceps plinii* [SA]	(Merrem, 1820)	శ్వేత నాగు	Shwetha Naagu	NE	Sch. IV	-
83	Indian Rat Snake	*Ptyas mucosa*	(Linnaeus, 1758)	జెర్రిగొడ్డు	Jerri Goddu	NE	Sch. II (Part II)	App. II
84	Dumeril's Black-headed Snake[26]	*Sibynophis subpunctatus* [BD,IN,SL]	(Duméril, Bibron & Duméril, 1854)	చిన్న నలాతల పాము	Chinna Nalathala Paamu	NE	Sch. IV	-
11. Family Natricidae								
85	Buff-striped Keelback	*Amphiesma stolatum*	(Linnaeus, 1758)	వాన కోయిలా	Vaana Koyila	NE	Sch. IV	-
86	Olive Keelback[27]	*Atretium schistosum* [SA]	(Daudin, 1803)	వాన పాము	Vaana Paamu	LC	Sch. II (Part II)	App. III
87	Checkered Keelback	*Fowlea piscator*	(Schneider, 1799)	నీరుకట్టి పాము	Neerukatte Paamu	NE	Sch. II (Part II)	App. III
88	Green Keelback	*Rhabdophis plumbicolor*	(Cantor, 1839)	వనప పాము	Vanapa Paamu	NE	Sch. IV	-
12. Family Psammophidae								
89	Indian Sand Snake[28]	*Psammophis condanarus*	(Merrem, 1820)	ఇసుక పాము	Isuka Paamu	LC	-	-
90	Stout Sand Snake[29]	*Psammophis longifrons* [MH,TS]	Boulenger, 1890	బొడ్డు ఇసుక పాము	Boddu Isuka Paamu	LC	-	-
13. Family Elapidae								
91	Common Indian Krait	*Bungarus caeruleus* [IN,PK,SL]	(Schneider, 1801)	కట్ల పాము	Katla Paamu	NE	Sch. IV	-
92	Banded Krait[30]	*Bungarus fasciatus*	(Schneider, 1801)	బంగారు కట్ల పాము	Bangaru Katla Paamu	LC	Sch. IV	-
93	Slender Coral Snake[31]	*Calliophis melanurus* [SA]	(Shaw, 1802)	సనని పగడపు పాము	Sanani Padagapu Paamu	NE	Sch. IV	-

	English name	Species	Authority	Telugu name	Vernacular name	IUCN	IWPA	CITES
94	Spectacled Cobra	*Naja naja* [SA]	(Linnaeus, 1758)	నాగు పాము	Naagu Paamu	NE	Sch. II (Part II)	App. II
14. Family Viperidae								
95	Russell's Viper	*Daboia russelii* [SA]	(Shaw & Nodder, 1797)	రక్త పింజర	Raktha Pinjara	NE	Sch. II (Part II)	App. III
96	Saw-scaled Viper	*Echis carinatus*	(Schneider, 1801)	చిన్న పింజర	Chinna Pinjara	NE	Sch. IV	-
97	Bamboo Pit Viper	*Trimeresurus gramineus* [PI]	(Shaw, 1802)	వెదురు పాము	Veduru Paamu	LC	Sch. IV	-
15. Family Uropeltidae								
98	Elliot's Shieldtail Snake[32]	*Uropeltis ellioti* [PI]	(Gray, 1858)	ఎలియట్స్ మన్ను పాము	Elliots 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.

[1]Known from Hyderabad, Karimnagar, Komaram Bheem Asifabad, Medak, Medchal-Malkajgiri, Nagarkurnool, Nalgonda, Nirmal, Nizamabad and Sangareddy districts (C. Srinivasulu & G.C. Kumar pers. obs.)
[2]Known from Medchal-Malkajgiri and Nalgonda districts (Ganesh et al. 2020)
[3]Due to recent taxonomic changes, species identification needs to be resolved; perhaps more species might be present in Telangana State
[4]Known historically from Nagarjunasagar dam area in Nalgonda district (Sharma 1971)
[5]Known historically from Nagarjunasagar dam area in Nalgonda district (Sharma 1971)
[6]Known from Nirmal district, Nagarkurnool district and Nalgonda district (C. Srinivasulu pers. obs.)
[7]Known from Nagarjunasagar dam area in Nalgonda district (M. Seetharamaraju & G.C. Kumar pers. obs.)
[8]Known from Khammam Fort, Khammam district (Mirza et al. 2017)
[9]Known from Hyderabad, Nalgonda, and Warangal Urban districts (Kumar et al. 2015)
[10]Known from Warangal Urban district (G.C. Kumar pers. obs.)
[11]Known from Adilabad district (Agarwal et al. 2018)
[12]Known from Nalgonda and Adilabad districts (Javed et al. 2010)
[13]Known from Adilabad, Komaram Bheem Asifabad and Nirmal districts (C. Srinivasulu & G.C. Kumar pers. obs.)
[14]Known historically from Nagarjunasagar dam area in Nalgonda district (Srinivasulu et al. 2016)
[15]Known from Nagarkurnool, Nalgonda, Ranga Reddy, and Wanaparthy districts (Narayana et al. 2017)
[16]Known from Jangaon district (Choure et al. 2021)
[17]Known from Bhadradri Kothagudem, Jayashankar Bhupalapally, Nagarkurnool, and Warangal Rural districts (G.C. Kumar, A. Visvanath & C. Srinivasulu pers. obs.)
[18]Known from Mancherial, Ranga Reddy, Sangareddy and Vikarabad districts (Mohan et al. 2018)
[19]Known from a single record near Vikarabad, Vikarabad district (A. Visvanath pers. obs. June 2016)
[20]Known from Hyderabad, Medchal-Malkajgiri, Ranga Reddy, and Sangareddy districts (A. Visvanath pers. comm., G.C. Kumar pers. obs.)
[21]Known from Hyderabad, Medchal-Malkajgiri, Peddapalli, Ranga Reddy, Sangareddy, and Wanaparthy districts (A. Visvanath pers. comm., C. Srinivasulu pers. obs.)
[22]Known from Neredgonda, near Kuntala, Adilabad district (G.C. Kumar pers. obs.) and Belgaon, Jainath mandal, Adilabad (Anne & Visvanathan 2018)
[23]Known from Adilabad, Hyderabad, and Medchal-Malkajgiri districts (Whitaker & Captain 2004; C. Srinivasulu & M. Seetharamaraju pers. obs.)
[24]Known from Hyderabad, Mancherial, Medchal-Malkajgiri, Nagarkurnool, Nirmal, Nizamabad, Peddapalli, Ranga Reddy, and Wanaparthy districts (Seetharamaraju et al. 2011, C. Srinivasulu & M. Seetharamaraju pers. obs .)
[25]Known from Hyderabad, Kamareddy, Medchal-Malkajgiri, Nalgonda, Ranga Reddy, and Sangareddy districts (Narayana & Sandeep 2021)
[26]Known from Kamareddy, Komaram Bheem Asifabad, Medchal-Malkajgiri, Nagarkurnool, and Ranga Reddy districts (Kumar et al. 2017a)
[27]Known from Kamareddy, Hyderabad, Medchal-Malkajgiri, Nalgonda, and Sangareddy districts (C. Srinivasulu & M. Seetharamaraju pers. obs.)
[28]Known from Nallamala Hills, Nagarkurnool and near Koppole, Nalgonda district (C. Srinivasulu pers. obs.)
[29]Known from Medchal-Malkajgiri and Ranga Reddy districts (Visvanathan et al. 2017)
[30]Known from Jayashankar Bhupalapally and Mulugu districts (Srinivasulu et al. 2009)
[31]Known from Nalgonda district (Seetharamaraju et al. 2019)
[32]Known from Egalapenta 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	*Euphlyctis hexadactylus* (Lesson, 1834)	This species is known only from the wetlands of coastal plains of India	Frost (2022)
		Fejervarya limnocharis (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)
		Sphaerotheca dobsonii (Boulenger, 1882)	This species is now restricted to Western Ghats, India	Dahanukar et al. (2017), Prasad et al. (2019)
		Sphaerotheca rolandae (Dubois, 1983)	This species is now restricted to Sri Lanka	Prasad et al. (2019)
Reptilia	Agamidae	*Sitana ponticeriana* Cuvier, 1829	This species is now restricted to Tamil Nadu, Andhra Pradesh, and Odisha, India	Deepak et al. (2018)
		Draco dussumieri A.M.C. Duméril & Bibron, 1837	This species is not present in Telangana. Narayana & Bharath (2021) inadvertently included this in their checklist.	
	Gekkonidae	*Hemidactylus brookii* 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	*Ahaetulla nasuta* (Lacépède, 1789)	This species is now restricted to Sri Lanka	Mallik et al. (2020)
		Argyrogena fasciolata (Shaw, 1802)	Due to taxonomic revision, this species has been assigned to the genus *Lycodon*, hence currently accepted as *Lycodon fasciolata* (Shaw, 1802). However, its presence in Telangana needs to be confirmed. Earlier records assigned to A. fasciolata (Shaw, 1802) is now assigned to *Platyceps plinii* (Merrem, 1820)	Deepak et al. (2021)
		Chrysopelea ornata (Shaw, 1802)	Known from a single record from a commercial timber depot in Hyderabad; a case of accidental introduction through timber transportation	
	Homalopsidae	*Enhydris enhydris* (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*, *Nilssonia 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 parvimaculatus*

Image 17. *Calotes vultuosus*

Image 20. *Chamaeleo zeylanica*

Image 23. *Hemidactylus frenatus*

Image 26. *Hemidactylus gracilis*

Image 18. *Psammophilus blanfordanus*

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 bengalenis*

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*

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Image 53. *Daboia russelii*

Image 54. *Oligodon taeniolatus*

Image 55. *Naja naja*

Image 56. *Platyceps bholanathi*

Image 59. *Sibynophis subpunctatus*

Image 62. *Fowlea piscator*

Image 65. *Psammophis longifrons*

Image 68. *Uropeltis ellioti*

Image 57. *Platyceps plinii*

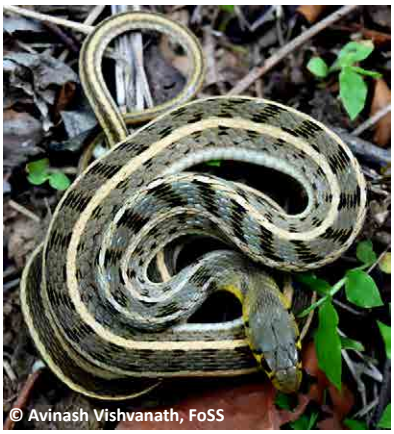

Image 60. *Amphiesma stolatum*

Image 63. *Rhabdophis plumbicolor*

Image 66. *Bungarus caeruleus*

Image 58. *Ptyas mucosa*

Image 61. *Atretium schistosum*

Image 64. *Calliophis melanurus*

Image 67. *Echis carinatus*

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