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**An annotated checklist of Amphibia of India
with some insight into the pattern of species
discoveries, distribution and endemism**

**DINESH, K.P.
C. RADHAKRISHNAN
K.V. GURURAJA
AND
G.K. BHATTA**

ZOOLOGICAL SURVEY OF INDIA

RECORDS OF THE ZOOLOGICAL SURVEY OF INDIA

**An annotated checklist of Amphibia of India with some
insights into the patterns of species discoveries,
distribution and endemism**

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Erratum

Serial numbers	Corrections
1. <i>Ansonia ornata</i> Gunther, 1876	1. <i>Ansonia ornata</i> Gunther, 1875
3. <i>Bufo beddomii</i> Gunther, 1876	3. <i>Bufo beddomii</i> Gunther, 1875
10. <i>Bufo silentvalleyensis</i> Pillai, 1981	10. <i>Bufo silentvalleyensis</i> Pillai, 1982
11. <i>Bufo stomaticus</i> Lutken, 1864	11. <i>Bufo stomaticus</i> Lutken, 1862
22. <i>Chrysopaa sternosignata</i> Ohler and Dubois, 2006	22. <i>Chrysopaa sternosignata</i> (Murray, 1885)
Include <i>Fejervarya pierrei</i> (Dubois, 1975) after the species account of 40. <i>Fejervarya parambikulamana</i> (Rao, 1937)	<i>Fejervarya pierrei</i> (Dubois, 1975)
46. <i>Hoplobatrachus crassus</i> (Jerdon, 1854)	46. <i>Hoplobatrachus crassus</i> (Jerdon, 1853)
47. <i>Hoplobatrachus tigerinus</i> (Daudin, 1802)	47. <i>Hoplobatrachus tigerinus</i> (Daudin, 1803)
118. <i>Ramanella triangularis</i> (Gunther, 1876)	118. <i>Ramanella triangularis</i> (Gunther, 1875)
139. <i>Amolops assamensis</i> Sengupta, Hussain, Choudhury, Gogoi, Ahmed and Choudry, 2008	139. <i>Amolops assamensis</i> Sengupta, Hussain, Choudhury, Gogoi, Ahmed and Choudhury, 2008
141. <i>Amolops formosus</i> (Gunther, 1876)	141. <i>Amolops formosus</i> (Gunther, 1875)
151. <i>Humerana humeralis</i> Boulenger, 1887	151. <i>Humerana humeralis</i> (Boulenger, 1887)
169. <i>Indirana diplosticta</i> (Gunther, 1876)	169. <i>Indirana diplosticta</i> (Gunther, 1875)
178. <i>Chiromantis doriae</i> Boulenger, 1893	178. <i>Chiromantis doriae</i> (Boulenger, 1893)
179. <i>Chiromantis dudhwaensis</i> Ray, 1992	179. <i>Chiromantis dudhwaensis</i> (Ray, 1992)
181. <i>Chiromantis simus</i> Annandale, 1915	181. <i>Chiromantis simus</i> (Annandale, 1915)
204. <i>Philautus glandulosus</i> (Jerdon, 1854)	204. <i>Philautus glandulosus</i> (Jerdon, 1853)
218. <i>Philautus nasutus</i> (Gunther, 1869)	Delete from species account
233. <i>Philautus wynaadensis</i> (Jerdon, 1854)	233. <i>Philautus wynaadensis</i> (Jerdon, 1853)
236. <i>Polypedates maculatus</i> (Gray, 1834)	236. <i>Polypedates maculatus</i> (Gray, 1833)
262. <i>Gegeneophis krishni</i> Pillai and Ravichandran, 2005	262. <i>Gegeneophis krishni</i> Pillai and Ravichandran, 1999
272. <i>Ichthyophis garoensis</i> Pillai and Ravichandran, 2005	272. <i>Ichthyophis garoensis</i> Pillai and Ravichandran, 1999
273. <i>Ichthyophis husaini</i> Pillai and Ravichandran, 2005	273. <i>Ichthyophis husaini</i> Pillai and Ravichandran, 1999
279. <i>Uraeotyphlus interruptus</i> Pillai and Ravichandran, 2005	279. <i>Uraeotyphlus interruptus</i> Pillai and Ravichandran, 1999

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INTRODUCTION

Amphibian systematics in India had its golden times during the British rule, precisely during 1850-1925, when bulk of the amphibians in the country was discovered and described (Biju, 2001). The turn of the 20th century witnessed again an upsurge in the new discoveries and descriptions of amphibian taxa from India, adding new dimensions to the amphibian studies addressing issues concerning diversity, conservation, ecology and evolution of amphibians. The new trend was in view of the great concern among the scientific community about the global-level decline of amphibians. It has generated a sense of commitment and zeal, than ever seen before, among the researchers to get into the field of Batrachology and augment the efforts of systematic exploration, monitoring and scientific documentation of the rich and diverse amphibian wealth of the country.

A revival of the amphibian taxonomy and systematics at the global level with the advent of new techniques and tools has made its imprint on the new species discoveries in India too. Further, emphasis on the studies related to the revision of species-assemblages, genera and families has also brought to focus the revalidation or genesis of many taxa. Given the pace of amphibian taxonomy and systematics that is currently under way in the country, at least 100, or more, species of amphibians new to science are likely to be discovered and described from India in the immediate future, and it is from the biodiversity-rich hot spot areas, like the Western Ghats, in the country, the majority of these elusive amphibians are to be found out and documented (Biju, 2001; Aravind *et al.*, 2004; Gower *et al.*, 2004; Gururaja *et al.*, 2007a; 2007b and Biju, 2008).

An overview of the earlier works on Indian amphibians shows that the first comprehensive checklist of amphibians, brought out by Dutta (1997), dealt with 212 species from India. This was followed by Das and Dutta (1998) cataloguing the common names of the Indian amphibians and later by Daniels (2001) with an updated checklist of Indian amphibians. Chanda (2002) published the first handbook on Indian amphibians with brief accounts of all the species known till then. Daniels (2005) in his book enlisted 238 species of amphibians known from India, but the significance of the book was, at large, in perspective of the amphibians of the peninsular region of the country. The need for a comprehensive checklist accounting all the species discovered and recorded from India till date was realised to be imperative, in view of the discovery of several new species in the recent past.

In the present work, the information on Indian amphibians from all the checklists and other relevant literature published so far, with regard to their

available data from the Indian sub-continent, including the descriptions of new species up to February 2009, have been thoroughly screened and compiled. The checklist provides a detailed analysis of the data on Indian amphibians taken into consideration, *inter alia*, synonyms, English names, Type locality, museum of type deposition, type accession number (wherever available), availability of museum collections, information from online databases (Frost, 2009), etc. of the species concerned. An attempt has been made in the present work to provide English names for those species which do not have such names, and all the available names are listed highlighting their appropriateness in the Indian context. The classification followed here is after Frost (2009), due to its simplicity to use and easy on-line access.

The online e-database, viz. *Amphibian Species of the World*, version 5.3 (Frost, 2009) catalogues the species like *Duttaphrynus cyphosus*, *Ingerophrynus macrotis*, *Pseudepidalea pseudoraddei*, *Fejervarya greenii*, *F. limnocharis*, *Nanorana conaensis*, *N. ercepeae*, *N. polunini*, *Occidozyga sumatrana*, *Scutiger boulengeri*, *Hylarana chitwanensis*, *Kurixalus verrucosus* and *Ichthyophis humphreyi* as being the amphibians known from India. They are not included in the present checklist since their Distribution in India needs authentic confirmation.

Bufo beddomii, *Bufo brevirostris*, *Bufo hololius*, *Bufo koynayensis*, *Bufo olivaceus*, *Bufo parietalis*, *Bufo scaber*, *Bufo silentvalleyensis*, *Bufo stomaticus* and *Bufo stuarti* are retained under the genus *Bufo* itself for convenience, though all these species of India are treated with the generic label "*Bufo*" as *incertae sedis* by Frost *et al.*, (2006) within the family Bufonidae. *Philautus femoralis* is excluded from the list since it is considered a member of Sri Lankan clad and not related to that of the Western Ghats (Bossuyt *et al.*, 2004). Biju and Bossuyt, (2009) have clarified the uncertainty associated with this species.

SYSTEMATIC ACCOUNT

Class : AMPHIBIA Gray

Order : ANURA Fischer von Waldheim

Family : BUFONIDAE Gray

Genus *Ansonia* Stoliczka

1. *Ansonia ornata* Gunther, 1876

1882. *Bufo pulcher* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 288.

1876. *Ansonia ornata* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 568.

English names : **Malabar Torrent Toad**; Ornate Stream Toad; Black Torrent Toad.

Type locality : “Brahmagiri Hills”, Coorg, Karnataka, India.

Type specimen : At British Museum, (BM 74.4.29.944-953), London United Kingdom.

Distribution in India : Coorg (Dutta, 1997), Neria (Dakshina Kannada), Karnataka (Daniels, 1997); Suganthagiri hills, Wayanad, Kerala, (Ravikumar, 2000); Kudremukh National Park, Karnataka, Aralam Wildlife Sanctuary, Kannur, Kerala (Kunhikrishnan and Jahas, 2003).

Outside India : Not known.

Note : Endemic to Western Ghats.

2. *Ansonia rubigina* Pillai and Pattabiraman, 1981

1981. *Ansonia rubigina* Pillai and Pattabiraman, *Proc. Indian Acad. Sci., Ser. B*, **90** : 203.

English names : **Red Stream Toad**; Kerala Stream Toad; Silent Valley Torrent Toad.

Type locality : “Kummattan Thodu”, a tributary of River Kunthi, Silent Valley, Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/775), Tamil Nadu, India.

Distribution in India : Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus *Bufo* Laurenti

3. *Bufo beddomii* Gunther, 1876

1876. *Bufo beddomii* Gunther, “1875”, *Proc. Zool. Soc. London*, 1875 : 569.

1878. *Bufo travancoricus* Beddome, “1877”, *Proc. Zool. Soc. London*, 1877 : 685.

English name : **Beddome’s Toad**.

Type locality : “Malabar”, India.

Type specimen : At British Museum, (BM 1947.2.20.55), London United Kingdom.

Distribution in India : Maharashtra, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

4. *Bufo brevirostris* Rao, 1937

1937. *Bufo brevirostris* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 403.

English names : **Kempholey Toad**; Short-nosed Toad and Rao's Pale Brown Toad.

Type locality : "Kempholey", Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Karnataka (Dutta, 1997) and Kerala (Chanda, 2002).

Outside India : Not known.

Note : Endemic to Western Ghats, distribution in Kerala doubtful.

5. *Bufo hololius* Gunther, 1876

1876. *Bufo hololius* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 569.

English names : **Malabar Toad**; Gunther's Toad.

Type locality : "Malabar", India.

Type specimen : At British Museum, (BM 1947.2.20.50), London United Kingdom.

Distribution in India : Andhra Pradesh, Karnataka, Kerala and Tamil Nadu (Dutta, 1997 and Biju, 2001).

Outside India : Not known.

Note : Although the Type locality is mentioned as "Malabar", there is no authentic record of its collection from Western Ghats; hence its occurrence in Western Ghats (Karnataka, Kerala and Tamil Nadu) is doubtful. For further details on the distributional record of this species, refer Radhakrishnan and Ravichandran (1999). Presumably, endemic to Andhra Pradesh.

6. *Bufo koynayensis* Soman, 1963

1963. *Bufo koynayensis* Soman, *J. Biol. Sci., Bombay*, **6** : 73.

1964. *Bufo sulphureus* Grandison and Daniel, *J. Bombay Nat. Hist. Soc.*, **61** : 192.

English names : **Koyna Toad**; Humbali Village Toad; Chrome-yellow Toad.

Type locality : "Shivaji Sagar Lake", Loyna, Satara, Maharashtra, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A1784), West Bengal, India.

Distribution in India : Amboli, Maharashtra.

Outside India : Not known.

Note : Endemic to Western Ghats.

7. *Bufo olivaceus* Blanford, 1874

1874. *Bufo olivaceus* Blanford, *Ann. Mag. Nat. Hist., Ser. 4*, 14 : 35.

English names : **Olive Toad**; Baluchistan Coastal Toad; Baluchestan Coastal Toad; Makran Toad.

Type locality : “Gedrosia”, Iran.

Type specimen : At British Museum, (1947.2.20.93), London United Kingdom.

Distribution in India : Gurgaon District, Haryana (Deuti and Ayyaswamy, 2008).

Outside India : Iran and Pakistan.

8. *Bufo parietalis* Boulenger, 1882

1882. *Bufo parietalis* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 312.

English names : **Ridged Toad**; Indian Toad; Timber Forest Toad.

Type locality : “Malabar”, India.

Type specimen : At British Museum, (BM 74.4.9.1156-57), London United Kingdom.

Distribution in India : Karnataka, Kerala, Tamil Nadu and Andhra Pradesh (Dutta, 1997).

Outside India : Not known.

Note : Endemic to peninsular India.

9. *Bufo scaber* Schneider, 1799

1799. *Bufo scaber* Schneider, *Hist. Amph. Nat.* : 222.

1892. *Bufo fergusonii* Boulenger, *J. Bombay Nat. Hist. Soc.*, 7 : 317.

English names : **Ferguson’s Toad**; Boulenger’s Burrowing Toad.

Type locality : “Orientali India”

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 3464), Berlin, Germany.

Distribution in India : Orissa, Karnataka, Kerala and Tamil Nadu (Biju, 2001).

Outside India : Sri Lanka (Dutta, 1997).

Note : Endemic to India and Sri Lanka.

10. ***Bufo silentvalleyensis*** Pillai, 1981

1981. *Bufo silentvalleyensis* Pillai, *Bull. Zool. Surv. India*, **3** : 156.

English names : **Silent Valley Toad**; South Indian Hill Toad.

Type locality : “Valiaparai Thodu”, Silent Valley Forests, Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/777), Tamil Nadu, India.

Distribution in India : Known from Type locality.

Outside India : Not known.

Note : Endemic to Western Ghats.

11. ***Bufo stomaticus*** Lutken, 1864

1864. *Bufo stomaticus* Lutken, “1863”, *Vidensk. Medd. Dansk Naturhist. Foren., Ser. 2*, **4** : 305.

1883. *Bufo andersonii* Boulenger, *Ann. Mag. Nat. Hist., Ser. 5*, **12** : 163.

1884. *Bufo Andersonii* Murray, *Vert. Zool. Sind* : 401.

1920. *Bufo stomaticus stomaticus* Rao, *J. Nat. Hist. Soc. Bombay*, **27** : 126.

1920. *Bufo stomaticus peninsularis* Rao, *J. Nat. Hist. Soc. Bombay*, **27** : 126.

English names : **Assam Toad**; Indus Toad; Indus Valley Toad; Marbled Toad; Indo-Gangetic (Marbled) Toad.

Type locality : “ostindiske” (East Indies), Assam, India.

Type specimen : At Universitets Kobenhavn, Zoologisk Museum (ZMUC-register number not available), Universitetsparken, Denmark.

Distribution in India : Western and Eastern Himalayas, Assam, West Bengal, Uttar Pradesh, Bihar, Rajasthan, Orissa, Maharashtra, Andhra Pradesh and Karnataka, (Dutta, 1997 and Chanda, 2002).

Outside India : Iran, Afghanistan, Pakistan, Bangladesh and Nepal (Frost, 2008).

12. ***Bufo stuarti*** Smith, 1929

1929. *Bufo stuarti* Smith, *Rec. Indian Mus.*, **31** : 77.

English name : **Stuart's Toad**.

Type locality : "Putao plain", Myanmar.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 19958), West Bengal, India.

Distribution in India : Assam (Dutta, 1997).

Outside India : Myanmar (Frost, 2008).

Genus ***Bufo****ides* Pillai and Yazdani

13. ***Bufo****ides* ***meghalayanus*** (Yazdani and Chanda, 1971)

1971. *Ansonia meghalayana* Yazdani and Chanda, *J. Assam Sci. Soc.*, **14** : 76.

1973. *Bufo**ides* *meghalayanus* Pillai and Yazdani, *J. Zool. Soc. India*, **25** : 65.

English names : **Mawblang Toad**; Rock Toad; Khasi Hills Toad.

Type locality : "Mawblang" Cherrapunji, Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A6969), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Meghalaya.

Genus ***Duttaphrynus***, Frost, Grant, Faivovich, Bain, Haas, Hddad, Desa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green and Wheeler

14. ***Duttaphrynus himalayanus*** (Gunther, 1864)

1864. *Bufo melanostictus* var. *himalayanus* Gunther, *Rept. Brit. India* : 422.

1882. *Bufo himalayanus* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 305.

1925. *Bufo abatus* Ahl, *Zool. Anz.*, **63** : 110.

English names : **Himalayan Toad**; Himalaya Toad; Himalayan Broad-skulled Toad; Gunther's High Altitude Toad; Darjeeling Toad; Ahl's Toad.

Type locality : "In the Himalayas", Sikkim and Nepal.

Type specimen : At British Museum, (BM 53.8.12.31; BM 58.6.24.1), London United Kingdom.

Distribution in India : Himachal Pradesh, Sikkim, Meghalaya, Arunachal Pradesh and West Bengal (Dutta, 1997).

Outside India : China, Pakistan and Nepal (Frost, 2008).

15. *Duttaphrynus melanostictus* (Schneider, 1799)

1799. *Bufo melanostictus* Schneider, *Hist. Amph. Nat.* : 216.
1802. *Bufo chlorogaster* Daudin, (An. XI), *Hist. Nat. Rain. Gren. Crap., Quarto* : 49.
1802. *Rana dubia* Shaw, *Gen. Zool.*, 3(1) : 157.
1802. *Bufo scaber* Daudin, (An. XI), *Hist. Nat. Rain. Gren. Crap., Quarto* : 94.
1802. *Bufo bengalensis* Daudin, (An. XI), *Hist. Nat. Rain. Gren. Crap., Quarto* : 96.
1802. *Bufo flaviventris* Daudin, (An. XI), *Hist. Nat. Rain. Gren. Crap., Quarto* : 74, pl. 74.
1802. *Rana melanosticta* Shaw, *Gen. Zool.*, 3(1) : 174.
1833. *Bufo carinatus* Gray, *Ill. Indian Zool.* : pl. 83.
1833. *Bufo dubia* - Gray, *Ill. Indian Zool.* : viii, 83.
1834. *Bufo isos* Lesson, In Belanger (ed.), *Voy. Indes-Orientales N. Eur. Caucase Georgie Perse, Zool.* : 333.
1858. *Bufo gymnauchen* Bleeker, *Natuurkd. Tijdschr. Nederl. Indie*, 16 : 46.
1861. *Docidophryne isos* - Fitzinger, "1860", *Sitzungsber. Akad. Wiss. Wien, Phys. Math. Naturwiss. Kl.*, 42 : 415.
1861. *Docidophryne spinipes* Fitzinger, "1860", *Sitzungsber. Akad. Wiss. Wien, Phys. Math. Naturwiss. Kl.*, 42 : 415.
1862. *Phrynoidis melanostictus* Cope, *Proc. Acad. Nat. Sci. Philadelphia*, 14 : 358.
1867. *Bufo spinipes* Steindachner, *Reise Osterreichischen Fregatte Novara, Zool.* : 42.
1903. *Bufo longecristatus* Werner, *Zool. Anz.*, 26 : 252.
1937. *Bufo tienhoensis* Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi, 1937* : 6, 11.
1942. *Docidophryne melanostictus* Bourret, *Batr. Indochine* : 173.
1980. *Bufo camortensis* Mansukhani and Sarkar, *Bull. Zool. Surv. India*, 3 : 97.
1990. *Ansonia kamblei* Ravichandran and Pillai, *Rec. Zool. Surv. India*, 86 : 506.
2001. *Bufo melanostictus melanostictus* Khan, *Pakistan J. Zool.*, 33 : 297.

English names : **Common Indian Toad**; Doubtful Toad; Black-lipped Toad; Keeled-nosed Toad; Indian Toad; Asian Common Toad; Asian Toad; Black-spined Toad; Asian Toad; Green belly Toad; Maharashtra Stream Toad; South Asian Garden Toad; Asian Common Toad; Common Indian Toad; Black-spined Toad;

Black-lipped Toad; Common Asian Toad; Southeast Asian Broad-skulled Toad; Black-spectacled Toad; Reticulated Toad; Wrinkled-skin Toad; Hazara Toad; Southeast Asian Toad; House Toad; Asiatic Toad; Greenbelly Toad; Wrinkled-skin Toad; Hazara Toad; Southeast Asian Toad; Common Sunda Toad; Asian Eyebrow-ridge Toad.

Type locality : “India orientali”

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 3462-63), Berlin, Germany.

Distribution in India : All over India (Dutta, 1997).

Outside India : Throughout southern Asia (Frost, 2008).

16. *Duttaphrynus microtympanum* (Boulenger, 1882)

1882. *Bufo microtympanum* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 307.

English names : **Small-eared Toad;** Southern Hill Toad.

Type locality : “Malabar”, India.

Type specimen : At British Museum, (BM 74.4.29.1146-1157), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus *Pedostibes* Gunther

17. *Pedostibes kemp*i (Boulenger, 1919)

1919. *Nectophryne kemp*i Boulenger, *Rec. Indian Mus., 16* : 207.

English names : **Gar**o Hills Tree Toad; Kemp’s Asian Tree Toad; Garo Hills Toad.

Type locality : “Garo Hills”, Assam, Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 18481), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Meghalaya.

18. *Pedostibes tuberculosus* Gunther, 1875

1876. *Pedostibes tuberculosus* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 576.

1882. *Nectophryne tuberculosa* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 280.

English names : **Malabar Tree Toad**; Warty Asian Tree Toad.

Type locality : "Malabar", South India.

Type specimen : At British Museum, (BM 1947.2.22.70-71), London United Kingdom.

Distribution in India : Tamil Nadu (Biju, 2001); Kerala (Pillai, 1986; Inger *et al.*, 1984; Karnataka (Gururaja and Ramachandra, 2006); Goa (Das and Whitaker, 1998); Maharashtra (Dahanukar *et al.*, 2004).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus ***Pseudepidalea*** Frost, Grant, Faivovich, Bain, Haas, Hddad, Desa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green and Wheeler

19. *Pseudepidalea latastii* (Boulenger, 1882)

1882. *Bufo latastii* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 294.

1978. *Bufo latastii latastii* Hemmer, Schmidtler, and Bohme, *Zool. Abh. Staatl. Mus. Tierkd. Dresden*, 34 : 377.

1997. *Bufo siachinensis* Khan, *Pakistan J. Zool.*, 29 : 43.

English names : **Ladakh Toad**; Lataste's Toad; Vertebral-banded Toad; Siachine Toad; Baloch Green Toad.

Type locality : Ladakh, India.

Type specimen : At British Museum, (BM 1947.2.21.28-31), London United Kingdom.

Distribution in India : Kashmir and Himachal Pradesh, India (Dutta, 1997).

Outside India : Pakistan (Frost, 2008).

Family : DICROGLOSSIDAE Anderson

Sub-family : DICROGLOSSINAE Anderson

Genus *Allopaa* Ohler and Dubois

20. *Allopaa barmoachensis* (Khan and Tasnim, 1989)

1989. *Rana barmoachensis* Khan and Tasnim, *J. Herpetol.*, **23** : 419.

2002. *Paa barmoachensis* - Khan, *Bull. Chicago Herpetol. Soc.*, **37** : 161.

2005. *Nanorana barmoachensis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.

2007. *Allopaa barmoachensis*-Frost, *Amph. Spec. World Online*, vers. 5. 0.

English names : **Barmoach Frog**; Kashmir Torrent Frog.

Type locality : “Barmoach”, Goi Madan, Kotli, Azad Kashmir, Pakistan.

Type specimen : At National Museum of Natural History (USNM 257534), Washington, USA.

Distribution in India : Kashmir.

Outside India : Pakistan (Frost, 2008).

21. *Allopaa hazarensis* (Dubois and Khan, 1989)

1979. *Rana (Paa) hazarensis* Dubois and Khan, *J. Herpetol.*, **13** : 403.

1992. *Paa (Paa) hazarensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 320.

2005. *Nanorana hazarensis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.

2006. *Allopaa hazarensis* - Ohler and Dubois, *Zoosystema*, **28** : 780.

English names : **Hazara Frog**; Kashmir Paa Frog; Hazara Torrent Frog.

Type locality : “Datta”, Manshera, Pakistan.

Type specimen : At Museum National d'Histoire Naturelle (MNHN 1978.3056), Rue Cuvier, Paris, France.

Distribution in India : Kashmir (Frost, 2008).

Outside India : Pakistan (Frost, 2008).

Genus *Chrysopaa* Ohler and Dubois

22. *Chrysopaa sternosignata* Ohler and Dubois, 2006

1885. *Rana sternosignata* Murray, *Ann. Mag. Nat. Hist., Ser. 5*, **16** : 120.

1920. *Rana (Rana) sternosignata* - Boulenger, *Rec. Indian Mus.*, **20** : 8.
 1975. *Rana (Paa) sternosignata* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1098.
 1992. *Paa (Gynandropaa) sternosignata* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 319.
 2005. *Nanorana sternosignata* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.
 2006. *Chrysopaa sternosignata* - Ohler and Dubois, *Zoosystema*, **28** : 780.

English names : **Murray's Frog**; Baluch Mountain Frog; Malir Paa Frog; Karez Frog.

Type locality : "Mullee", Zandra and Quetta, Afghanistan.

Type specimen : At Karachi Museum (now found to be lost).

Distribution in India : Kashmir.

Outside India : Pakistan and Afghanistan (Frost, 2008).

Genus *Euphlyctis* Fitzinger

23. *Euphlyctis cyanophlyctis* (Schneider, 1799)

1799. *Rana cyanophlyctis* Schneider, *Hist. Amph. Nat.*, : 137.
 1801. *Bufo cyanophlyctis* - Latreille In Sonnini de Manoncourt and Latreille, (An. X), *Hist. Nat. Rept.*, **2** : 132.
 1802. *Rana cyanophlyctis* - Shaw, *Gen. Zool.*, **3**(1) : 111.
 1802. *Bufo cyanophlyctis* - Daudin, (An. XI), *Hist. Nat. Rain. Gren. Crap., Quarto* : 103.
 1803. *Bufo cyanophlyctis* - Daudin, (An. XI), *Hist. Nat. Gen. Part. Rept.*, **8** : 209.
 1833. *Rana bengalensis* Gray, *Ill. Indian Zool.*
 1841. *Rana leschenaultii* Dumeril and Bibron, *Erp. Gen.*, **8** : 342.
 1853. *Rana benghalensis* - Kelaart, *Prodr. Faunae Zeylan.*, **1**, **1** : 192.
 1860. *Dicroglossus adolfi* Gunther, *Proc. Zool. Soc. London*, 1860 : 158.
 1861. *Euphlyctis leschenaultii* - Fitzinger, "1860", *Sitzungsber. Akad. Wiss. Wien, Phys. Math. Naturwiss. Kl.*, **42** : 414.
 1882. *Rana cyanophlyctis* - Mason, *Burma, Ed. 3* : 290.
 1899. *Rana cyanophlyctis* var. *seistanica* Nikolskii, *Ann. Mus. Zool. Acad. Imp. Sci. St. Petersbourg*, **4** : 406.
 1920. *Rana (Rana) cyanophlyctis* - Boulenger, *Rec. Indian Mus.*, **20** : 6.
 1938. *Dicroglossus cyanophlyctis* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, **1938** : 138.
 1941. *Rana cyanophlyctis cyanophlyctis* - Parker, *Exped. SW Arabia 1937-1938*, **1**, **1** : 5.

1950. *Rana (Rana) cyanophlictis* - Guibe, "1948", Cat. Types Amph. Mus. Natl. Hist. Nat. : 37.
1958. *Rana cyanophlictis variety fulvus* - De Silva, *Spolia Zeylan.*, 28 : 158.
1958. *Rana cyanophlictis variety flavens* - De Silva, *Spolia Zeylan.*, 28 : 158.
1974. *Rana (Dicroglossus) cyanophlyctis cyanophlytis* - Dubois, Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool., 213 : 376.
1981. *Rana (Euphlyctis) cyanophlyctis* - Dubois, Monit. Zool. Ital., N. S., Suppl., 15 : 240.
1985. *Euphlyctis cyanophlyctis* - Poynton and Broadley, Ann. Natal Mus., 27 : 124.
1987. *Occidozyga (Euphlyctis) cyanophlyctis* - Dubois, "1986", Alytes, 5 : 59.
1992. *Euphlyctis cyanophlyctis* - Dubois, Bull. Mens. Soc. Linn. Lyon, 61 : 315.
1997. *Euphlyctis cyanophlyctis cyanophlyctis* - Khan, Pakistan J. Zool., 29 : 108.
1997. *Euphlyctis cyanophlyctis microspinulata* Khan, Pakistan J. Zool., 29 : 108.
1997. *Euphlyctis cyanophlyctis seistanica* - Dutta, Amph. India Sri Lanka : 115.

English names : **Skittering Frog**; Studded Frog; Small Spotted Frog; Skettering Frog; Skipping Frog; Cyan Five-fingered Frog; Indian Skipping Frog; Skipper Frog; Seistan Skittering Frog; Spiny Skittering Frog; Water Skipping Frog; Green Stream Frog; Green Wart Frog.

Type locality : "India orientali"

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 3197-98), Berlin, Germany.

Distribution in India : Throughout India (Dutta, 1997).

Outside India : Iran, Pakistan, Nepal, Afghanistan, Sri Lanka, Malaysia, and Vietnam (Frost, 2008).

24. *Euphlyctis ghoshi* (Chanda, 1990)

1991. *Rana ghoshi* Chanda, "1990", Hamadryad, 15 : 16-17.
1992. *Euphlyctis ghoshi* - Dubois, Bull. Mens. Soc. Linn. Lyon, 61 : 3124.
1992. *Occidozyga ghoshi* - Dutta, Hamadryad, 17 : 1-13.

English names : **Ghosh's Frog**; Manipur Frog.

Type locality : "Khugairk Reserve Forest", Manipur, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A8472), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Manipur.

25. *Euphlyctis hexadactylus* (Lesson, 1834)

1834. *Rana hexadactyla* Lesson, In Belanger (ed.), *Voy. Indes-Orientales N. Eur. Caucase Georgie Perse*, Zool. : 331.
1841. *Dactylethra bengalensis* Dumeril and Bibron, *Erp. Gen.*, **8** : 339.
1841. *Rana cutipora* Dumeril and Bibron, *Erp. Gen.*, **8** : 338.
1841. *Rana saparoua* Dumeril and Bibron, *Erp. Gen.*, **8** : 338.
1855. *Rana robusta* Blyth, "1854", *J. Asiat. Soc. Bengal*, **23** : 298.
1861. *Phrynoderma cutiporum* - Fitzinger, "1860", *Sitzungsber. Akad. Wiss. Wien, Phys. Math. Naturwiss. Kl.*, **42** : 414.
1920. *Rana (Rana) hexadactyla* - Boulenger, *Rec. Indian Mus.*, **20** : 5.
1974. *Rana (Dicroglossus) hexadactyla* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **213** : 341-411.
1981. *Rana (Euphlyctis) hexadactyla* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 240.
1985. *Euphlyctis hexadactyla* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.
1987. *Occidozyga (Euphlyctis) hexadactyla* - Dubois, "1986", *Alytes*, **5** : 59.
1992. *Euphlyctis hexadactylus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 315.

English names : **Indian Pond Frog**; Indian Five-fingered; Frog, Six-toed Frog; Indian Bullfrog; Indian Green Frog; Green Pond Frog.

Type locality : "Pondichery", India.

Type specimen : At Museum National d'Histoire Naturelle (MNHN 4363), Rue Cuvier, Paris, France.

Distribution in India : Throughout India (Dutta, 1997).

Outside India : Bangladesh, Pakistan and Sri Lanka (Frost, 2008).

Genus *Fejervarya* Bolkay

26. *Fejervarya andamanensis* (Stoliczka, 1870)

1870. *Rana gracilis* var. *andamanensis* Stoliczka, *J. Asiat. Soc. Bengal*, **39** : 139.
1917. *Rana limnocharis andamanensis* - Annandale, *Mem. Asiat. Soc. Bengal*, **6** : 133.
1984. *Rana (Fejervarya) andamanensis* - Dubois, *Alytes*, **3** : 147.
1985. *Euphlyctis limnocharis andamanensis* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.
1987. *Limnonectes (Fejervarya) andamanensis* - Dubois, "1986", *Alytes*, **5** : 61.
1998. *Fejervarya andamensis* - Iskandar, *Amph. Java Bali* : 71.

English names : **Andaman Frog**; Andaman Wart Frog; Chestnut-brown Frog.

Type locality : "Port Blair", Andamans, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 2732; 3538-39), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Andaman Islands.

27. *Fejervarya brevipalmata* (Peters, 1871)

1871. *Rana brevipalmata* Peters, Monatsber. Preuss. Akad. Wiss. Berlin, 1871 : 646.

1920. *Rana (Rana) brevipalmata* - Boulenger, Rec. Indian Mus., 20 : 6.

1928. *Rana limnocharis parvipalmata* - Roux, Rev. Suisse Zool., 38 : 460.

1938. *Dicroglossus brevipalmatus* - Deckert, Sitzungsber. Ges. Naturforsch. Freunde Berlin, 1938 : 138.

1981. *Rana (Euphlyctis) limnocharis brevipalmata* - Dubois, Monit. Zool. Ital., N.S., Suppl., 15 : 239.

1985. *Euphlyctis limnocharis brevipalmata* - Poynton and Broadley, Ann. Natal Mus., 27 : 124.

1987. *Limnonectes (Fejervarya) brevipalmatus* - Dubois, "1986", Alytes, 5 : 61.

1996. *Limnonectes brevipalmatus* - Dutta and Singh, Zoo's Print, 11 : 15.

1998. *Fejervarya brevipalmata* - Iskandar, Amph. Java Bali : 71.

English names : **Peters' Frog**; Pegu Wart Frog; Short-webbed Frog.

Type locality : "Pegu", Myanmar (doubtful), probably from Southern India (Dutta, 1997).

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 6130), Berlin, Germany.

Distribution in India : Kerala and Tamil Nadu (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

28. *Fejervarya cancrivora* (Gravenhorst, 1829)

1829. *Rana cancrivora* Gravenhorst, Delic. Mus. Zool. Vratislav., 1 : 41.

1907. *Rana tigrina* var. *angustopalmata* Van Kampen, Zool. Ergebn. Reis. Nederland. Ost-Indien, 4 : 388.

1912. *Rana tigerina angustopalmata* - Barbour, Mem. Mus. Comp. Zool., 44 : 64.

1918. *Rana tigrina* var. *cancrivora* - Boulenger, Rec. Indian Mus., 15 : 58.

1918. *Rana cancrivora* - Annandale, Rec. Indian Mus., 15 : 63.

1920. *Rana moodiei* Taylor, *Philipp. J. Sci.*, **16** : 234.
 1920. *Rana (Rana) cancrivora* - Boulenger, *Rec. Indian Mus.*, **20** : 6.
 1928. *Rana cancrivora cancrivora* - Dunn, *Am. Mus. Novit.*, **315** : 5.
 1938. *Dicroglossus cancrivorus* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 138.
 1981. *Rana (Euphlyctis) cancrivora* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 239.
 1985. *Euphlyctis cancrivora* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.
 1987. *Limnonectes (Hoplobatrachus) cancrivorus* - Dubois, "1986", *Alytes*, **5** : 60.
 1992. *Limnonectes (Fejervarya) cancrivorus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 315.
 1998. *Fejervarya cancrivora* - Iskandar, *Amph. Java Bali* : 71.

English names : **Mangrove Frog**; Java Wart Frog; Gulf Coast Frog; Marsh Frog; Rice Field Frog; Crab-eating Frog; Marsh Frog; Brackish Frog.

Type locality : "Java", Indonesia.

Type specimen : Original type lost (now neotype at Field Museum (FMNH 256688), Chicago, Illinois, USA.

Distribution in India : Andaman and Nicobar (Port Blair) (Dutta, 1997).

Outside India : Thailand, Malaysia, Singapore, Philippines, China and Vietnam (Frost, 2008).

29. *Fejervarya caperata* Kuramoto, Joshy, Kurabayashi and Sumida, 2007

2007. *Fejervarya caperata* Kuramoto, Joshy, Kurabayashi and Sumida, *Current Herpetology*, **26**(2) : 81-105.

English name : **Wrinkled fejervarya**.

Type locality : "Karnoor", Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4657), Bombay, India.

Distribution in India : Mangalore and Madikeri.

Outside India : Not known.

Note : Endemic to Western Ghats, this species was placed earlier in the assemblage of *Fejervarya limnocharis* - cryptic taxa; *F. caperata*, *F. granosa*, *F. kudremukhensis* and *F. mudduraja* are regarded as cryptic species that are difficult to identify by morphological traits alone (Kuramoto *et al.*, 2007).

30. *Fejervarya granosa* Kuramoto, Joshy, Kurabayashi and Sumida, 2007

2007. *Fejervarya granosa* Kuramoto, Joshy, Kurabayashi and Sumida, *Current Herpetology* **26**(2) : 81-105.

English name : Granular fejervarya.

Type locality : “Talapu”, Madikeri, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4649), Bombay, India.

Distribution in India : Chickmagalur and Madikeri.

Outside India : Not known.

Note : Endemic to Western Ghats, this species was placed earlier in the assemblage of *Fejervarya limnocharis* - cryptic taxa; *F. caperata*, *F. granosa*, *F. kudremukhensis* and *F. mudduraja* are regarded as cryptic species that are difficult to identify by morphological traits alone (Kuramoto et al., 2007).

31. *Fejervarya keralensis* (Dubois, 1980)

1876. *Rana verrucosa* Gunther, “1875”, *Proc. Zool. Soc. London*, 1875 : 567.

1920. *Rana (Rana) verrucosa* - Boulenger, *Rec. Indian Mus.*, **20** : 6.

1938. *Dicroglossus verrucosus* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 138.

1981. *Rana (Euphlyctis) keralensis* Dubois, “1980”, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 4(A)*, **2** : 928.

1984. *Rana (Fejervarya) keralensis* - Dubois, *Alytes*, **3** : 148.

1985. *Euphlyctis keralensis* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.

1987. *Limnonectes (Fejervarya) keralensis* - Dubois, “1986”, *Alytes*, **5** : 61.

1998. *Fejervarya keralensis* - Iskandar, *Amph. Java Bali* : 71.

English names : **Kerala Warty Frog**; Kerala Wart Frog; Warty Frog; Dubois’ Hill Frog.

Type locality : “Malabar”, India.

Type specimen : At British Museum, (BM 1947.2.28.80-96), London United Kingdom.

Distribution in India : Gujarat (doubtful), Goa, Karnataka, Kerala and Tamil Nadu (Biju, 2001) Orissa.

Outside India : Nepal (doubtful) (Frost, 2008).

32. *Fejervarya kudremukhensis* Kuramoto, Joshy, Kurabayashi and Sumida, 2007

2007. *Fejervarya kudremukhensis* Kuramoto, Joshy, Kurabayashi and Sumida, *Current Herpetology* **26**(2) : 81-105.

English name : **Kudremukh fejervarya.**

Type locality : “Kudremukh”, Chickmagalur, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4653), Bombay, India.

Distribution in India : Chickmagalur and Madikeri.

Outside India : Not known.

Note : Endemic to Western Ghats, this species was placed earlier in the assemblage of *Fejervarya limnocharis* - cryptic taxa; *F. caperata*, *F. granosa*, *F. kudremukhensis* and *F. mudduraja* are regarded as cryptic species that are difficult to identify by morphological traits alone (Kuramoto *et al.*, 2007).

33. *Fejervarya mudduraja* Kuramoto, Joshy, Kurabayashi and Sumida, 2007

2007. *Fejervarya mudduraja* Kuramoto, Joshy, Kurabayashi and Sumida, *Current Herpetology* **26**(2) : 81-105.

English name : **Muddu Raja fejervarya.**

Type locality : “Talapu”, Madikeri, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4645), Bombay, India.

Distribution in India : Chickmagalur and Madikeri.

Outside India : Not known.

Note : Endemic to Western Ghats, this species was placed earlier in the assemblage of *Fejervarya limnocharis* - cryptic taxa; *F. caperata*, *F. granosa*, *F. kudremukhensis* and *F. mudduraja* are regarded as cryptic species that are difficult to identify by morphological traits alone (Kuramoto *et al.*, 2007).

34. *Fejervarya murthii* (Pillai, 1979)

1979. *Rana murthii* Pillai, *Bull. Zool. Surv. India*, **2** : 39.

1987. *Limnonectes (Fejervarya) murthii* - Dubois, “1986”, *Alytes*, **5** : 61.

1998. *Fejervarya murthii* - Iskandar, *Amph. Java Bali* : 71.

English names : **Murthy's Frog;** Ghats Wart Frog.

Type locality : "Naduvattom", Gudallur, Tamil Nadu, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/773), Tamil Nadu, India.

Distribution in India : Tamil Nadu (Type locality) (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

35. *Fejervarya mysorensis* (Rao, 1922)

1922. *Rana (Rana) limnocharis mysorensis* Rao, J. Nat. Hist. Soc. Bombay, **28** : 439-447.

1985. *Euphlyctis limnocharis mysorensis* - Poynton and Broadley, Ann. Natal Mus., **27** : 124.

1996. *Limnonectes mysorensis* - Dutta and Singh, Zoo's Print, **11** : 15.

1998. *Fejervarya mysorensis* - Iskandar, Amph. Java Bali : 71.

English name : **Mysore frog.**

Type locality : "Jog", Shimoga, Karnataka, India.

Type specimen : At British Museum, (BM 1947.2.1.80), London United Kingdom.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

36. *Fejervarya nepalensis* (Dubois, 1975)

1975. *Rana nepalensis* Dubois, C. R. Seances Soc. Biol., Paris, **281** : 1720.

1980. *Rana (Euphlyctis) nepalensis* - Dubois, "1978", C. R. Séances Soc. Biogeogr., **55** : 161.

1984. *Rana (Fejervarya) nepalensis* - Dubois, Alytes, **3** : 149.

1985. *Euphlyctis nepalensis* - Poynton and Broadley, Ann. Natal Mus., **27** : 124.

1987. *Limnonectes (Fejervarya) nepalensis* - Dubois, "1986", Alytes, **5** : 61.

1998. *Fejervarya nepalensis* - Iskandar, Amph. Java Bali : 71.

English names : **Nepal Cricket Frog;** Nepal Wart Frog.

Type locality : "Godavari", Centre-Nepal.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 1975.1606), Rue Cuvier, Paris, France.

Distribution in India : Nagaland (Ao *et al.*, 2003).

Outside India : Nepal (Frost, 2008).

37. *Fejervarya nicobariensis* (Stoliczka, 1870)

1870. *Rana gracilis* var. *nicobariensis* Stoliczka, *J. Asiat. Soc. Bengal*, **39** : 144.

1882. *Lymnodytes nicobariensis* - Mason, *Burma*, Ed. **3** : 291.

1885. *Hylorana nicobariensis* - Boulenger, *Ann. Mag. Nat. Hist., Ser. 5*, **16** : 389.

1885. *Rana nicobariensis* - Boulenger, *Ann. Mag. Nat. Hist., Ser. 5*, **16** : 389.

1987. *Limnonectes (Fejervarya) nicobariensis* - Dubois, "1986", *Alytes*, **5** : 61.

2000. *Fejervarya nicobariensis* - Dubois and Ohler, *Alytes*, **18** : 35.

English names : **Nicobar Frog**; Nicobar Island Frog; Cricket Frog; Nicobarese Frog.

Type locality : "Nicobars", India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 2679), West Bengal, India.

Distribution in India : Known from Type locality only (Frost, 2008).

Outside India : Not known.

Note : Endemic to Andaman Nicobar Islands (Frost, 2008).

38. *Fejervarya nilagirica* (Jerdon, 1853)

1854. *Rana nilagirica* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 522-534.

1917. *Rana limnocharis nilagirica* - Annandale, *Mem. Asiat. Soc. Bengal*, **6** : 134.

1984. *Rana (Fejervarya) nilagirica* - Dubois, *Alytes*, **3** : 149.

1985. *Euphlyctis limnocharis nilagirica* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.

1987. *Limnonectes (Fejervarya) nilagirica* - Dubois, "1986", *Alytes*, **5** : 61.

1998. *Fejervarya nilagirica* - Iskandar, *Amph. Java Bali* : 71.

English names : **Nilgiri Frog**; Nilgiris Wart Frog.

Type locality : Wayanad and Neelgherries, Kerala, South India.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 1984.2340), Rue Cuvier, Paris, France.

Distribution in India : Kerala and Tamil Nadu (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

39. *Fejervarya orissaensis* (Dutta, 1997)

1997. *Limnonectes orissaensis* Dutta, *Hamadryad*, **22** : 2.

2001. *Fejervarya orissaensis* - Chanda, Das, and Dubois, "2000", *Hamadryad*, **25** : 106.

English name : Orissa Frog.

Type locality : "Bhubaneswar", Khurda District, Orissa, India.

Type specimen : At University of Kansas (KU 197186), Museum of Natural History, Kansas, USA.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Orissa.

40. *Fejervarya parambikulamana* (Rao, 1937)

1937. *Rana (Tomopterna) parambikulamana* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 391.

1983. *Rana (Tomopterna) parambikulamana* - Dubois, *Alytes*, **2** : 164.

1987. *Limnonectes (Fejervarya) paramkibulamana* - Dubois, "1986", *Alytes*, **5** : 61.

1998. *Fejervarya parambikulamana* - Iskandar, *Amph. Java Bali* : 71.

2002. *Tomopterna parambikulamana* - Chanda, *Handb. Indian Amph.* : 214.

English names : Parambikulam Frog; Parambikulam Wart Frog.

Type locality : "Parambikulam forests", Palakkad, Kerala, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Kerala (Type locality) (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

41. *Fejervarya rufescens* (Jerdon, 1853)

1854. *Pyxicephalus rufescens* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 534.

1882. *Rana rufescens* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 29.

1920. *Rana (Tomopterna) rufescens* - Boulenger, *Rec. Indian Mus.*, **20** : 102.

1984. *Rana (Fejervarya) rufescens* - Dubois, *Alytes*, **3** : 149.

1987. *Limnonectes (Fejervarya) rufescens* - Dubois, "1986", *Alytes*, **5** : 61.

1998. *Tomopterna rufescens* - Das and Dutta, *Hamadryad*, **23** : 66.

1998. *Fejervarya rufescens* - Iskandar, *Amph. Java Bali* : 71.

English names : **Reddish Burrowing Frog**; Malabar Wart Frog.

Type locality : "Malabar Coast", South India.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 1934.2348), Rue Cuvier, Paris, France.

Distribution in India : Maharashtra, Karnataka and Kerala (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

42. *Fejervarya sahyadris* (Dubois, Ohler and Biju, 2001)

2001. *Minervarya sahyadris* Dubois, Ohler, and Biju, *Alytes*, **19** : 58.

2007. *Fejervarya sahyadris* - Matsui, Joshy, Kurabayashi, and Sumida, *Curr. Herpetol.*, **26** : 98-99.

English name : **Minervarya frog**.

Type locality : Gundia, Kempholey forest, Hassan, Karnataka, India.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 2000.3031), Rue Cuvier, Paris, France.

Distribution in India : Karnataka and Kerala.

Outside India : Not known.

Note : Endemic to Western Ghats.

43. *Fejervarya sauriceps* (Rao, 1937)

1937. *Rana (Hylorana) sauriceps* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 396.

1984. *Rana (Fejervarya) sauriceps* - Dubois, *Alytes*, **3** : 155.

1987. *Limnonectes (Fejervarya) sauriceps* - Dubois, "1986", *Alytes*, **5** : 61.

1998. *Fejervarya sauriceps* - Iskandar, *Amph. Java Bali* : 71.

English names : **Mysore Wart Frog**; Lizard-headed Frog.

Type locality : “Wattekole” Coorg, Karnataka, India.

Type specimen : At Central College Bangalore (now lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

44. *Fejervarya syhadrensis* (Annandale, 1919)

1919. *Rana limnocharis syhadrensis* Annandale, *Rec. Indian Mus.*, **16** : 123.

1974. *Rana (Dicroglossus) syhadrensis* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **213** : 383.

1975. *Rana syhadrensis* - Dubois, *C. R. Seances Soc. Biol., Paris*, **281** : 1717.

1980. *Rana (Euphlyctis) syhadrensis* - Dubois, “1978”, *C. R. Séances Soc. Biogeogr.*, **55** : 161.

1984. *Rana (Fejervarya) syhadrensis* - Dubois, *Alytes*, **3** : 150.

1985. *Euphlyctis syhadrensis* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.

1987. *Limnonectes (Fejervarya) syhadrensis* - Dubois, “1986”, *Alytes*, **5** : 61.

1992. *Limnonectes syhadrensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 315.

1998. *Fejervarya syhadrensis* - Iskandar, *Amph. Java Bali* : 71.

English names : **Syhadry Frog**; Long-legged Cricket Frog; Bombay Wart Frog; Small Cricket Frog; Southern Cricket Frog.

Type locality : “Khandal”, Poona, Maharashtra, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 19764), West Bengal, India.

Distribution in India : Maharashtra and Orissa (Biju, 2001).

Outside India : Pakistan and Nepal (Frost, 2008).

45. *Fejervarya teraiensis* (Dubois, 1984)

1984. *Rana (Fejervarya) teraiensis* Dubois, *Alytes*, **3** : 150.

1987. *Limnonectes (Fejervarya) teraiensis* - Dubois, “1986”, *Alytes*, **5** : 61.

1998. *Fejervarya teraiensis* - Iskandar, *Amph. Java Bali* : 71.

English names : **Terai Cricket Frog** ; Terai Wart Frog.

Type locality : “Birtamode”, East-Nepal.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 1975.1763), Rue Cuvier, Paris, France.

Distribution in India : Nagaland (Ao *et al.*, 2003) and Uttar Pradesh (Hegde *et al.*, 2009a)

Outside India : Nepal (Frost, 2008).

Genus *Hoplobatrachus* Peters

46. *Hoplobatrachus crassus* (Jerdon, 1854)

1854. *Rana crassa* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 531.
 1863. *Hoplobatrachus ceylanicus* Peters, *Monatsber. Preuss. Akad. Wiss. Berlin*, 1863 : 445-470.
 1872. *Rana (Hoplobatrachus) ceylanicus* - Gunther, *Ann. Mag. Nat. Hist., Ser. 4*, **9** : 85.
 1892. *Rana tigrina var. ceylanica* - Boettger, *Ber. Offenbach. Ver. Naturkd.*, 1892 : 94.
 1918. *Rana tigrina var. crassa* - Boulenger, *Rec. Indian Mus.*, **15** : 51-58.
 1918. *Rana crassa* - Annandale, *Rec. Indian Mus.*, **15** : 61.
 1942. *Rana tigrina crassa* - Bourret, *Batr. Indochine* : 241.
 1974. *Rana (Dicroglossus) crassa* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **213** : 378-380.
 1987. *Limnonectes (Hoplobatrachus) crassus* - Dubois, "1986", *Alytes*, **5** : 60.
 1992. *Hoplobatrachus crassus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 315.

English names : **Jerdon's Bull Frog**; Carnatic Peters Frog.

Type locality : "Carnatic" (now part of Tamil Nadu and Andhra Pradesh), India.

Type specimen : At Zoological Survey of India, Kolkata (reported to be lost), West Bengal, India.

Distribution in India : West Bengal, Assam, Uttar Pradesh, Madhya Pradesh, Orissa, Andhra Pradesh, Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Nepal, Bangladesh and Sri Lanka (Frost, 2008).

47. *Hoplobatrachus tigerinus* (Daudin, 1802)

1758. *Rana typhonia* Linnaeus, *Syst. Nat., Ed. 10*, **1** : 211.
 1799. *Bufo typhoni* - Schneider, *Hist. Amph. Nat.* : 207.
 1802. *Rana tigrina* Daudin, (*An. XI*), *Hist. Nat. Rain. Gren. Crap., Quarto* : 62.
 1820. *Rana tigrina* - Merrem, *Tent. Syst. Amph.* : 174.
 1829. *Rana picta* Gravenhorst, *Delic. Mus. Zool. Vratislav.*, **1** : 39.
 1838. *Osilophus typhoni* - Tschudi, *Classif. Batr.*: **52** : 89.

1841. *Cystignathus typhonius* - Dumeril and Bibron, *Erp. Gen.*, **8** : 402.
1843. *Leptodactylus typhonius* - Fitzinger, *Syst. Rept.* : 31.
1853. *Rana malabarica* Kelaart, *Prodr. Faunae Zeylan.*, **1**, **1** : 191.
1870. *Rana gracilis* var. *pulla* Stoliczka, *J. Asiat. Soc. Bengal*, **39** : 139.
1871. *Otilophus typhonius* - Peters, *Monatsber. Preuss. Akad. Wiss. Berlin*, 1871 : 403.
1875. *Oxyrhynchus typhonius* - Jimenez de la Espada, *Vert. Viaje Pacif. Verif. 1862-1865* : 178.
1875. *Oxyrhynchus typhonius* - Jimenez de la Espada, *Vert. Viaje Pacif. Verif.*, 1862-1865 : 178.
1882. *Leptodactylus typhonius* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 246.
1912. *Rana tigerina* - Barbour, *Mem. Mus. Comp. Zool.*, **44** : 63.
1915. *Rana (Fejervarya) tigrina* - Bolckay, *Anat. Anz.*, **48** : 175.
1920. *Rana (Rana) tigrina* - Boulenger, *Rec. Indian Mus.*, **20** : 6.
1933. *Bufo typhonius typhonius* - Leavitt, *Copeia*, **1933** : 8.
1938. *Dicroglossus tigrinus* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 138.
1940. *Rana tigrina tigrina* - Smith, *Rec. Indian Mus.*, **42** : 465-486.
1953. *Bufo (Otylophus) typhonius* - Cei, *Arch. Zool. Ital. Torino*, **38** : 511.
1969. *Rana tigerina tigerina* - Mertens, *Stuttgart. Beit. Naturkd.*, **197** : 17.
1974. *Rana (Dicroglossus) tigerina tigerina* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **213** : 341-411.
1981. *Rana (Euphlyctis) tigerina* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 239.
1985. *Euphlyctis tigerina* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.
1987. *Limnonectes (Hoplobatrachus) tigrinus* - Dubois, "1986", *Alytes*, **5** : 59.
1991. *Tigrina tigrina* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.*, : 144.
1992. *Hoplobatrachus tigrinus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 315.

English names : **Indian Bull Frog**, Turkey Frog, Malabar Bull Frog, Golden Frog, Bull Frog, Tiger Frog and Tiger Peters Frog.

Type locality : "Bengale" (West Bengal), India.

Type specimen : Information not available.

Distribution in India : Throughout India (Dutta, 1997).

Outside India : Nepal, Bhutan, Pakistan, and Sri Lanka (Frost, 2008).

Genus *Limnonectes* Fitzinger

48. *Limnonectes doriae* (Boulenger, 1887)

1887. *Rana doriae* Boulenger, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2*, **5** : 482.

1920. *Rana (Rana) doriae* - Boulenger, *Rec. Indian Mus.*, **20** : 7.
 1938. *Dicroglossus doriae* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 138.
 1981. *Rana (Euphlyctis) doriae* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 239.
 1985. *Euphlyctis doriae* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.
 1987. *Limnonectes (Bourretia) doriae* - Dubois, "1986", *Alytes*, **5** : 62.
 1999. *Limnonectes (Elachyglossa) doriae* - Ohler and Dubois, *Zool. Scripta*, **23** : 276.

English names : **Doria's Frog**; Burmese Wart Frog; Red Stream Frog.

Type locality : "Thagata Juwa; Kaw-ka-riet" (Kokarit, east of Moulmein), northern Tenasserim, Myanmar.

Type specimen : At Museo Civico di Storia Naturale di Genova Giacomo Doria (MSNG 29298A), Via Brigata Liguria, Genova, Italy.

Distribution in India : Andaman Islands (Dutta, 1997).

Outside India : Myanmar, Thailand, Malaysia and Andaman Islands (Frost, 2008).

49. *Limnonectes hascheanus* (Stoliczka, 1870)

1870. *Polypedates Hascheanus* Stoliczka, *Proc. Asiat. Soc. Bengal*, 1870 : 104.
 1892. *Rana hascheana* - Sclater, *Proc. Zool. Soc. London*, 1892 : 344.
 1920. *Rana (Rana) hascheana* - Boulenger, *Rec. Indian Mus.*, **20** : 7.
 1981. *Rana (Euphlyctis) hascheana* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 239.
 1985. *Euphlyctis hascheana* - Poynton and Broadley, *Ann. Natal Mus.*, **27** : 124.
 1987. *Limnonectes (Taylorana) hascheanus* - Dubois, "1986", *Alytes*, **5** : 64.
 1992. *Taylorana hascheana* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 314.

English names : **Hasche's Frog**; Hill-forest Frog; Penang Taylor's Frog; Side-spotted Frog; Pek Frog; Stoliczka's Frog.

Type locality : "Forests of Penang hill", Malaysia.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 2695-97), West Bengal, India.

Distribution in India : Andaman Islands (Dutta, 1997).

Outside India : Vietnam and Malaysia (Frost, 2008).

50. *Limnonectes khasianus* (Anderson, 1871)

1871. *Pyxicephalus Khasianus* Anderson, *J. Asiat. Soc. Bengal*, **40** : 23.
 1882. *Rana khasiana* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed.*, **2** : 34.

1987. *Limnonectes (Limnonectes) khasianus* - Dubois, "1986", *Alytes*, 5 : 63.

1997. *Limnonectes khasiensis* - Dutta, *Amph. India Sri Lanka* : 131.

English names : **Khasi Hills Frog**; Khasi Wart Frog; Anderson's Khasi Hills Frog.

Type locality : "Khasi Hills", Meghalaya, India.

Type specimen : Information not available.

Distribution in India : Meghalaya (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Meghalaya.

51. *Limnonectes kuhlii* (Tschudi, 1838)

1838. *Rana kuhlii* Tschudi, *Classif. Batr.* : 40.

1838. *Rana palmata* Tschudi, *Classif. Batr.* : 83.

1872. *Rana conspicillata* Gunther, *Proc. Zool. Soc. London*, 1872 : 597.

1882. *Rana khasiana* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 34.

1882. *Nyctibatrachus sinensis* Peters, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1882 : 146.

1890. *Rana paradoxa* Mocquard, *Nouv. Arch. Mus. Natl. Hist. Nat. Paris, Ser. 3*, 2 : 148.

1920. *Rana (Rana) kuhli* - Boulenger, *Rec. Indian Mus.*, 20 : 7.

1938. *Dicroglossus kuhlii* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 138.

1981. *Rana (Limnonectes) kuhlii* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, 15 : 239.

1987. *Limnonectes (Limnonectes) kuhlii* - Dubois, "1986", *Alytes*, 5 : 63.

1991. *Limnonectes kuhlii* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.* : 153.

English names : **Kuhl's Frog**; Kuhl's Wart Frog; Kuhl's Creek Frog; Large-headed Frog; Big-headed Mountain Frog.

Type locality : "Java", Indonesia.

Type specimen : Not designated but specimen (MNHNP 4469) at Museum National d'Histoire Naturelle, Rue Cuvier, Paris, France is considered to be type.

Distribution in India : Meghalaya and Assam (Dutta, 1997).

Outside India : Thailand, China and Indonesia (Frost, 2008).

52. *Limnonectes laticeps* (Boulenger, 1882)

1882. *Rana laticeps* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 20.

1882. *Polypedates affinis* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 21.

1920. *Rana (Rana) laticeps* - Boulenger, *Rec. Indian Mus.*, 20 : 7.

1981. *Rana (Limnonectes) laticeps* - Dubois, *Monit. Zool. Ital., N. S.*, Suppl., 15 : 239.

1987. *Limnonectes (Limnonectes) laticeps* - Dubois, "1986", *Alytes*, 5 : 63.

English names : **Khasi Wart Frog**; Corrugated Frog; Flat-headed Frog; Broad-headed Frog; Southern Big-headed Frog; Rivulet Frog.

Type locality : "Khassya" (Khasi Hills), Assam, India.

Type specimen : At British Museum (BM- register number not specified), London United Kingdom.

Distribution in India : Assam, West Bengal and Meghalaya (Dutta, 1997).

Outside India : Thailand, Malaysia, Sumatra and Borneo (Frost, 2008).

53. *Limnonectes macrodon* (Dumeril and Bibron, 1841)

1838. *Rana macrodon* Tschudi, *Classif. Batr.*, 83.

1841. *Rana macrodon* Dumeril and Bibron, *Erp. Gen.*, 8 : 382.

1920. *Rana (Rana) macrodon* - Boulenger, *Rec. Indian Mus.*, 20 : 6.

1954. *Rana macrodon macrodon* - Inger, *Fieldiana, Zool.*, 33 : 276.

1981. *Rana (Euphlyctis) macrodon* - Dubois, *Monit. Zool. Ital., N.S.*, Suppl., 15 : 239.

1985. *Euphlyctis macrodon* - Poynton and Broadley, *Ann. Natal Mus.*, 27 : 124.

1987. *Limnonectes (Limnonectes) macrodon* - Dubois, "1986", *Alytes*, 5 : 63.

English names : **Giant Javan Frog**; Malaya Wart Frog; Malayan Giant Bullfrog; Stone Creek Frog; Brown Mountain Frog.

Type locality : "Java and Celebes", Indonesia.

Type specimen : At Museum National d'Histoire Naturelle (MNHN 4465), Rue Cuvier, Paris, France.

Distribution in India : Manipur (Frost, 2008).

Outside India : Myanmar to Malayan Peninsular (Thailand and Malaysia); Java and Sumatra (Indonesia); Rioux Archipelago (Frost, 2008).

54. *Limnonectes mawlyndipi* (Chanda, 1990)

1990. *Rana mawlyndipi* Chanda, *J. Bengal Nat. Hist. Soc., N. S.*, 9 : 44.

1992. *Limnonectes (Limnonectes) mawlyndipi* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 316

1998. *Limnonectes mawlyndipi* - Das and Dutta, *Hamadryad*, 23 : 65.

English names : **Mawlindip Frog**; Mawlyndipi Wart Frog.

Type locality : “Mawlyndip”, Khasi hills, Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSI-KZ 983), West Bengal, India.

Distribution in India : Meghalaya and West Bengal (Dutta, 1997).

Outside India : Not known.

Note : Endemic to north east India.

55. *Limnonectes shompenorum* Das, 1996

1996. *Limnonectes shompenorum* Das, *J. South Asian Nat. Hist.*, **2** : 127.

English name : **Shompen Frog**.

Type locality : “Kopen Heat”, Great Nicobar, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A8741), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Nicobar, India.

Genus *Nanorana* Gunther

56. *Nanorana annandalii* (Boulenger, 1920)

1920. *Rana annandalii* Boulenger, *Rec. Indian Mus.*, **20** : 77.

1920. *Rana (Rana) annandalii* - Boulenger, *Rec. Indian Mus.*, **20** : 8.

1975. *Rana (Paa) annandalii* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1099.

1992. *Paa (Paa) annandalii* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 320.

2005. *Nanorana annandalii* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.

2006. *Chaparana (Paa) annandalii* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : **Boulenger's Hill Frog**; Annandale's Paa Frog.

Type locality : “Sureil”, Darjeeling, India.

Type specimen : At British Museum, (BM 1947.2.1.93), London United Kingdom

Distribution in India : West Bengal and Darjeeling (Dutta, 1997).

Outside India : Nepal (Frost, 2008).

57. *Nanorana arnoldi* (Dubois, 1975)

1975. *Rana (Paa) arnoldi* Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1093.
1987. *Rana (Paa) arnoldi* - Dubois, "1986", *Alytes*, **5** : 43.
1992. *Paa (Paa) arnoldi* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 320.
2005. *Nanorana arnoldi* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.
2006. *Chaparana (Paa) arnoldi* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English name : Arnold's Paa Frog.

Type locality : "Pangnamdim", Nam Tamai Valley, Triangle, nord de la Birmani.

Type specimen : At British Museum, (BM 1940.6.2.90), London United Kingdom.

Distribution in India : Darjeeling, West Bengal, Meghalaya and Uttar Pradesh.

Outside India : Nepal, China and Myanmar (Frost, 2008).

58. *Nanorana blanfordii* (Boulenger, 1882)

1882. *Rana blanfordii* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 23.
1920. *Rana (Rana) blanfordii* - Boulenger, *Rec. Indian Mus.*, **20** : 8.
1975. *Rana (Paa) blanfordii* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1098.
1977. *Rana yadongensis* Wu In Sichuan Institute of Biology Herpetology Department, *Acta Zool. Sinica*, **23** : 56, 62.
1991. *Paa (Paa) yadongensis* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.* : 156.
1992. *Paa (Paa) blanfordii* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 320.
2005. *Nanorana blanfordii* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.
2006. *Chaparana (Paa) blanfordii* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : Blanford's Frog; Blanford's Paa Frog; Blanford's Spiny Frog; Blanford's Hill Frog.

Type locality : "Mussoorie", Darjeeling, West Bengal, India.

Type specimen : At British Museum, (BM 1880.11.10.105), London United Kingdom.

Distribution in India : Meghalaya, Uttar Pradesh and West Bengal (Dutta, 1997).

Outside India : China and Nepal (Frost, 2008).

59. *Nanorana chayuensis* (Ye in Sichuan Institute of Biology Herpetology Department, 1977)

1977. *Rana maculosa chayuensis* Ye in Sichuan Institute of Biology Herpetology Department, *Acta Zool. Sinica*, **23** : 62.

1990. *Paa (Paa) chayuensis* - Fei, Ye, and Huang, *Key to Chinese Amph.*, 157.

1990. *Paa (Paa) chayuensis* - Fei, Ye, and Huang, *Key to Chinese Amph.*, 157.

2006. *Chaparana (Paa) chayuensis* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : **Chayu Spiny Frog**; Chayu Paa Frog.

Type locality : “Chayu”, Xizang (Tibet), China.

Type specimen : At Chengdu Institute of Biology (CIB 73I9524), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Darjeeling District, West Bengal, India (Deuti and Ayyaswamy, 2008).

Outside India : Chayu, Xizang, China (Frost, 2008).

60. *Nanorana gammii* (Anderson, 1871) :

1871. *Rana Gammii* Anderson, *J. Asiat. Soc. Bengal*, **40** : 21.

1917. *Rana gammiei* - Annandale, *Mem. Asiat. Soc. Bengal*, **6** : 119-155.

1920. *Rana (Rana) gammiei* - Boulenger, *Rec. Indian Mus.*, **20** : 8.

2006. *Chaparana (Chaparana) gammii* - Ohler and Dubois, *Zoosystema*, **28** : 781.

2007. *Nanorana annandalii* - Frost, *Amph. Spec. World Online*, vers. 5.0.

English name : **Gammii frog**.

Type locality : “Darjeeling”, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9172-73), West Bengal, India.

Distribution in India : West Bengal and Arunachal Pradesh (Frost, 2008).

Outside India : Not known.

Note : Endemic to north east India.

61. *Nanorana liebigii* (Gunther, 1860)

1855. *Megalophrys gigas* Blyth, “1854”, *J. Asiat. Soc. Bengal*, **23** : 299.

1860. *Rana liebigii* Gunther, *Proc. Zool. Soc. London*, 1860 : 157.

1881. *Rana gigas* - Peters, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1881 : 87.

1920. *Rana (Rana) liebigii* - Boulenger, *Rec. Indian Mus.*, **20** : 8.
1975. *Rana (Paa) liebigii* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1097.
1991. *Paa (Paa) liebigii* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.* : 153-153.
1993. *Rana liebigii* - Zhao and Adler, *Herpetol. China* : 144.
2005. *Nanorana liebigii* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.
2006. *Chaparana (Paa) liebigii* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : **Liebig's Frog**; Sikkim Paa Frog; Liebig's Paa Frog; Spiny-armed Frog.

Type locality : "Sikkim Himalaya", India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9577-79), West Bengal, India.

Distribution in India : Uttar Pradesh, Sikkim, West Bengal, Himachal Pradesh and Jammu Kashmir (Dutta, 1997).

Outside India : Nepal, China, Pakistan and Bhutan (Frost, 2008).

62. *Nanorana minica* (Dubois, 1975)

1975. *Rana (Paa) minica* Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1100.
1985. *Rana (Paa) tuberculata* Tilak and Roy, *Zool. Anz.*, **215** : 231.
1992. *Paa (Paa) minica* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 320.
2005. *Nanorana minica* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.
2006. *Chaparana (Paa) minica* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : **Tiny Frog**; Nepal Paa Frog; Dubois' Frog; Small Paa Frog.

Type locality : "Dial Bajar", Chainpur, Ouest-Nepal.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 1974.1484), Rue Cuvier, Paris, France.

Distribution in India : Uttar Pradesh and Himachal Pradesh (Dutta, 1997).

Outside India : Nepal (Frost, 2008).

63. *Nanorana mokokchungensis* (Das and Chanda, 2000)

2000. *Scutiger mokokchungensis* Das and Chanda, *Herpetol. J.*, **10** : 69.

2002. *Paa (Paa) mokokchungensis* - Dubois, "2001", *Amphibia-Reptilia*, **22** : 504.

2005. *Nanorana mokokchungensis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.

2006. *Chaparana (Paa) mokokchungensis* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English name : Mokokchung frog.

Type locality : "Mokokchung", Nagaland, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A 8889), West Bengal, India.

Distribution in India : Nagaland (Ao *et al.*, 2003).

Outside India : Not known.

Note : Endemic to Nagaland.

64. *Nanorana vicina* (Stoliczka, 1872)

1872. *Rana vicina* Stoliczka, *Proc. Asiat. Soc. Bengal*, 1872 : 130.

1920. *Rana (Rana) vicina* - Boulenger, *Rec. Indian Mus.*, **20** : 8.

1975. *Rana (Paa) vicina* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1098.

1992. *Paa (Paa) vicina* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 320.

2005. *Nanorana vicina* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.

2006. *Chaparana (Paa) vicina* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : **Murree Frog**; Himalaya Paa Frog; Stoliczka's Frog.

Type locality : "Marri" (Murree) western Himalaya, Pakistan.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9147), West Bengal, India.

Distribution in India : Himachal Pradesh, Uttar Pradesh, Jammu and Kashmir (Dutta, 1997).

Outside India : Pakistan (Frost, 2008).

Genus *Ombrana* Dubois

65. *Ombrana sikimensis* (Jerdon, 1870)

1870. *Rana sikimensis* Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 83.

1892. *Rana assamensis* Sclater, *Proc. Zool. Soc. London*, 1892 : 343.

1920. *Rana (Rana) assamensis* - Boulenger, *Rec. Indian Mus.*, **20** : 8.

1920. *Rana sikkimensis* - Boulenger, *Rec. Indian Mus.*, **20** : 78.
1975. *Rana (Paa) sikkimensis* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **324** : 1098.
1992. *Chaparana (Ombrana) sikkimensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 318.
2005. *Nanorana sikkimensis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239-240.
2006. *Ombrana sikkimensis* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.
2006. *Chaparana (Paa) sikkimensis* - Ohler and Dubois, *Zoosystema*, **28** : 781.

English names : **Sikkimese Frog**; Sikkim Asian Frog; Assamese Frog; Assam Frog; Jerdon's Circular-flapped Frog.

Type locality : "Darjeeling", West Bengal, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9580), West Bengal, India.

Distribution in India : West Bengal, Meghalaya and Sikkim (Dutta, 1997).

Outside India : Nepal (Frost, 2008).

Genus *Sphaerotheca* Gunther

66. *Sphaerotheca breviceps* (Schneider, 1799)

1799. *Rana breviceps* Schneider, *Hist. Amph. Nat.* : 140.
1829. *Rana variegata* Gravenhorst, *Delic. Mus. Zool. Vratislav.*, **1** : 33.
1838. *Systema breviceps* - Tschudi, *Classif. Batr.* : 86.
1854. *Pyxicephalus fodiens* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 534.
1854. *Pyxicephalus pluvialis* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 534.
1859. *Sphaerotheca strigata* Günther, "1858", *Cat. Batr. Sal. Coll. Brit. Mus.* : 20.
1860. *Pyxicephalus (Tomopterna) fodiens* - Peters, *Monatsber. Preuss. Akad. Wiss. Berlin*, **1860** : 186.
1860. *Tomopterna strigata* - Gunther, *Proc. Zool. Soc. London*, **1860** : 165.
1864. *Pyxicephalus breviceps* - Gunther, *Rept. Brit. India* : 411.
1920. *Rana (Tomopterna) breviceps* - Boulenger, *Rec. Indian Mus.*, **20** : 102.
1938. *Tomopterna breviceps* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, **1938** : 142.
1956. *Rana swani* Myers and Leviton In Leviton, Myers, and Swan, *Occas. Pap. Nat. Hist. Mus. Stanford Univ.*, **1** : 7.
1976. *Tomopterna swani* - Dubois, *Cah. Nepal., Doc.*, **6** : 12.
1981. *Rana (Tomopterna) swani* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 233.
1983. *Rana (Tomopterna) breviceps breviceps* - Dubois, *Alytes*, **2** : 166.

1987. *Tomopterna (Sphaerotheca) breviceps* - Dubois, "1986", *Alytes*, 5 : 57.
 1987. *Tomopterna (Sphaerotheca) swani* - Dubois, "1986", *Alytes*, 5 : 57.
 1998. *Tomopterna maskeyi* Schleich and Anders, In Schleich and Kästle, *Contr. Herpetol. S. Asia Nepal India*, 4 : 57.
 1999. *Sphaerotheca breviceps* - Dubois, *J. South Asian Nat. Hist.*, 4 : 8.
 2000. *Sphaerotheca pluvialis* - Marmayou, Dubois, Ohler, Pasquet, and Tillier, *C. R. Acad. Sci., Ser. 3, Paris*, 323 : 293.
 2000. *Sphaerotheca swani* - Vences, Glaw, Kosuch, Das, and Veith, Lourenco and Goodman (eds.), *Diversite et Endemisme a Madagascar* : 232.
 2000. *Sphaerotheca maskeyi* - Vences, Glaw, Kosuch, Das, and Veith, Lourenco and Goodman (eds.), *Diversite et Endemisme a Madagascar* : 232.

English names : **Indian Burrowing Frog;** Burrowing Frog; Punjab Bullfrog; Short-headed Burrowing Frog; Clumsy-looking Burrowing Frog; Burrowing Frog; Olive Frog; Dharan Bullfrog; Maskey's Burrowing Frog; Chitwan Frog.

Type locality : "Indes orientales" (Tamil Nadu), India.

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 3351), Berlin, Germany.

Distribution in India : Punjab, Orissa, West Bengal, Rajasthan, Tamil Nadu, Kerala, Maharashtra and Karnataka (Dutta, 1997 and Biju, 2001).

Outside India : Pakistan, Nepal, Myanmar and Sri Lanka (Frost, 2008).

67. *Sphaerotheca dobsonii* (Boulenger, 1882)

1882. *Rana dobsoni* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 32.
 1920. *Rana (Tomopterna) dobsonii* - Boulenger, *Rec. Indian Mus.*, 20 : 101-102.
 1938. *Tomopterna dobsonii* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 139.
 2000. *Sphaerotheca dobsonii* - Dubois and Ohler, *Alytes*, 18 : 35.

English names : **Dobson's Burrowing Frog;** Mangalore Bullfrog.

Type locality : "Mangalore", Karnataka, India.

Type specimen : At British Museum, (BM 1947.2.28.45), London United Kingdom.

Distribution in India : Orissa, Andhra Pradesh, Karnataka, and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

68. *Sphaerotheca leucorhynchus* (Rao, 1937)

1937. *Rana* (*Tomopterna*) *leucorhynchus* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 392.
 1981. *Rana* (*Tomopterna*) *leucorhynchus* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 233.
 1987. *Tomopterna* (*Sphaerotheca*) *leucorhynchus* - Dubois, "1986", *Alytes*, **5** : 57.
 2000. *Sphaerotheca leucorhynchus* - Vences, Glaw, Kosuch, Das, and Veith, Lourenço and Goodman (eds.), *Diversite et Endemisme a Madagascar* : 232.

English names : **Rao's Burrowing Frog**; Wattakole Bullfrog; Rao's White-banded Frog.

Type locality : "Wattakole", Coorg, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Mysore, Karnataka (Type locality) (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

69. *Sphaerotheca rolandae* (Dubois, 1983)

1983. *Rana* (*Tomopterna*) *breviceps rolandae* Dubois, *Alytes*, **2** : 166.
 1987. *Tomopterna* (*Sphaerotheca*) *rolandae* - Dubois, "1986", *Alytes*, **5** : 57.
 1999. *Sphaerotheca rolandae* - Dubois, *J. South Asian Nat. Hist.*, **4** : 8.

English names : **Roland's Burrowing Frog**; Sri Lanka Bullfrog.

Type locality : "Kurunegala", Sri Lanka.

Type specimen : At British Museum, (BM 1973.3024), London United Kingdom.

Distribution in India : Kerala, Madhya Pradesh, Orissa and West Bengal (Dutta, 1997 and Biju, 2001).

Outside India : Sri Lanka (Frost, 2008).

Note : Endemic to peninsular India and Sri Lanka.

Sub-family : OCCIDOZYGINAE Fei, Ye and Huang

Genus *Ingerana* Dubois

70. *Ingerana charlesdarwini* (Das, 1998)

1998. *Rana charlesdarwini* Das, *Hamadryad*, **23** : 42.

English name : Charles Darwin's Frog.

Type locality : "Mount Harriet National Park", South Andaman Island, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A8890), West Bengal, India.

Distribution in India : Known from Type locality.

Outside India : Not known.

Note : Endemic to Andaman Islands.

Genus ***Occidozyga*** Kuhl and Van Hasselt

71. *Occidozyga borealis* (Annandale, 1912)

1912. *Micrixalus borealis* Annandale, *Rec. Indian Mus.*, **8** : 10.

1931. *Phrynoglossus borealis* - Smith, *Bull. Raffles Mus.*, **5** : 16.

1981. *Occidozyga borealis* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 245.

English names : **Rotung Oriental Frog**; Northern Frog.

Type locality : "Rotung", Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 16932), West Bengal, India.

Distribution in India : West Bengal (Dutta, 1997).

Outside India : China and Bangladesh (Frost, 2008).

72. *Occidozyga lima* (Gravenhorst, 1829)

1822. *Occidozyga lima* - Kuhl and Van Hasselt, *Algemeene Konst- en Letter-Bode*, **7** : 103.

1822. *Ooeidozyga lima* - Kuhl and Van Hasselt, *Isis von Oken*, **10** : 475.

1826. *Bombinator lima* - Schlegel, *Bull. Sci. Nat. Geol., Ser. 2*, **9** : 239.

1829. *Rana lima* Gravenhorst, *Delic. Mus. Zool. Vratislav.*, **1** : 41.

1831. *Houlema obscura* Gray, *Zool. Misc.*, **Part 1** : 38.

1838. *Oxyglossus lima* - Tschudi, *Classif. Batr.* : 85.

1838. *Oxydozyga braccata* Tschudi, *Classif. Batr.* : 85.

1841. *Bombinator lima* - Dumeril and Bibron, *Erp. Gen.*, **8** : 334.

1878. *Oxyglossa lima* var. *chinens* Müller, *Verh. Naturforsch. Ges. Basel*, **6** : 580.

1916. *Oxyglossis lima* - Smith, *J. Nat. Hist. Soc. Siam*, **2** : 172.

1925. *Oxydozyga lima* - Stejneger, *Proc. U.S. Natl. Mus.*, **66** : 33.

1927. *Ooeidozyga lima* - Smith, *Proc. Zool. Soc. London*, 1927 : 202-203.

1929. *Osteosternum amoyense* Wu, *Contrib. Biol. Lab. Sci. Soc., China, Zool. Ser.*, **5** : 3.
 1961. *Oxyglossus lima chinensis* Liu and Hu, *Tailless Amph. China* : 222.
 1982. *Occidozyga lima* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 4(A)*, 4.
 1987. *Occidozyga (Occidozyga) lima* - Dubois, "1986", *Alytes*, **5** : 58.

English names : **Java Frog**; Lurid Houlema; Rough-skinned Floating Frog; Green Puddle Frog; Puddle Frog; Pointed-tongue Floating Frog; Floating Frog; Aquatic Frog; Common Puddle Frog; Green Puddle Frog.

Type locality : "Java", Indonesia.

Type specimen : Not stated.

Distribution in India : West Bengal (Dutta, 1997).

Outside India : China, Thailand, Vietnam, Malaysia and Java (Frost, 2008).

Family : HYLIDAE Rafinesque

Sub-family : HYLINAE Rafinesque

Genus ***Hyla*** Laurenti

73. ***Hyla annectans*** (Jerdon, 1870)

1870. *Polypedates annectans* Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 84.
 1876. *Hyla annectans* - Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 576.
 1938. *Hyla annectans* - Boring, "1938-1939", *Peking Nat. Hist. Bull.*, **13** : 94.
 1983. *Hyla annectans annectans* - Yang, Su, and Li, *Acta Herpetol. Sinica, N.S.*, **2** : 40.
 1983. *Hyla annectans gongshanensis* Yang, Su, and Li, *Acta Herpetol. Sinica, N.S.*, **2** : 40.
 1985. *Hyla annectans gongshanensis* Li and Yang, *Zool. Res., Kunming*, **6** : 23, 27.
 1991. *Hyla annectans gonshanensis* - Yang, *Amph. Fauna of Yunnan* : 107.
 1997. *Hyla annectans wulingensis* Shen, *Zool. Res., Kunming*, **18** : 177, 182.
 2000. *Hyla annectans jingdongensis* Fei and Ye In Ye, Fei, Li, and Li, *Cultum Herpetol. Sinica*, **8** : 89, 93.
 2000. *Hyla annectans tengchongensis* Ye, Fei, and Li In Ye, Fei, Li, and Li, *Cultum Herpetol. Sinica*, **8** : 89, 93.
 2000. *Hyla annectans chuanxiensis* Ye and Fei In Ye, Fei, Li, and Li, *Cultum Herpetol. Sinica*, **8** : 90, 93.

English names : **Indian Hylid Frog**; Assam Treefrog; Jerdon's Tree Frog; West China Tree Toad; Gongshan Tree Toad; Indian Leaf Frog; Jingdong Tree Toad; Chuanxi Tree Toad; Wuling Tree Toad; Green Leave Frog; Southwestern China Treefrog.

Type locality : "Khasi Hills", Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10170-72), West Bengal, India.

Distribution in India : Meghalaya, Nagaland and Assam (Dutta, 1997).

Outside India : Myanmar, Thailand, Vietnam and China (Frost, 2008).

Family MEGOPHRYIDAE, Bonaparte

Genus *Leptobrachium*, Tschudi

74. *Leptobrachium hasseltii* Tschudi, 1838

1838. *Leptobrachium hasseltii* Tschudi, *Classif. Batr.* : 81.

1838. *Rana hasseltii* - Tschudi, *Classif. Batr.*: 81. Schlegel, 1858, *Handl. Dierkd.*, **2** : 56.

1859. *Leptobrachium hasseltii* - Gunther, "1858", *Cat. Batr. Sal. Coll. Brit. Mus.* : 36.

1880. *Nireus pulcherrimus* Theobald, *In Spear (ed.), British Burma Gazeteer*, **1** : 638.

1905. *Leptobrachium hasselti* - Van Kampen, *Zool. Jahrb., Jena, Abt. Syst.*, **22** : 712.

1908. *Megalophrys hasseltii* - Boulenger, *Proc. Zool. Soc. London*, 1908 : 425.

1926. *Megophrys hasselti* - Cochran, *J. Washington Acad. Sci.*, **16** : 447.

1927. *Leptobrachium (Megalophrys) hasselti* - Bourret, *Fauna Indochine, Vert.*, **3** : 260.

1929. *Megophrys hasseltii* - Gee and Boring, *Peking Nat. Hist. Bull.*, **4** : 20.

1937. *Megophrys hasseltii hasseltii* - Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1937 : 18.

1973. *Vibrissaphora hasseltii* - Liu, Hu, Fei, and Huang, *Acta Zool. Sinica*, **19** : 394-395.

1980. *Leptobrachium (Leptobrachium) hasseltii* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 476.

English names : **Hasselt's Litter Frog**; Java Spadefoot Toad; Tschudi's Frog; Red-legged Crawl Frog.

Type locality : "Java", Indonesia.

Type specimen : At Nationaal Natuurhistorisch Museum (formerly Rijksmuseum van Natuurlijke Historie) (RMNH 2014-2015), Postbus, The Netherlands.

Distribution in India : Meghalaya (Dutta, 1997).

Outside India : Indonesia, China, Myanmar and Philippines (Frost, 2008).

75. *Leptobrachium smithi* Matsui, Nabhitabhata and Panha, 1999

1999. *Leptobrachium smithi* Matsui, Nabhitabhata, and Panha, *Japan. J. Herpetol.*, **18** : 19-29.

English name : **Smith's Litter Frog**.

Type locality : “Ton Nam Plu Waterfall”, Khao Chong, Trang Province, Thailand.

Type specimen : At National Science Museum of Thailand (NHMT A 001).

Distribution in India : Assam and Meghalaya (Sengupta, *et al.*, 2001).

Outside India : Thailand, Myanmar, Laos and Bangladesh (Frost, 2008).

Genus ***Leptolalax*** Dubois

76. ***Leptolalax lateralis*** (Anderson, 1871)

1871. *Ixalus lateralis* Anderson, *J. Asiat. Soc. Bengal*, **40** : 29.

1950. *Megophrys lateralis* - Liu, *Fieldiana, Zool. Mem.*, **2** : 180.

1980. *Megophrys (Megophrys) lateralis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 472.

1997. *Panophrys lateralis* - Rao and Yang, *Asiat. Herpetol. Res.*, **7** : 98.

1998. *Megophrys (Xenophrys) lateralis* - Dubois and Ohler, *Dumerilia*, **4** : 14.

2001. *Xenophrys lateralis* - Khonsue and Thirakhupt, *Nat. Hist. J. Chulalongkorn Univ.*, **1** : 75.

2006. *Leptolalax (Lalax) lateralis* - Delorme, Dubois, Grosjean, and Ohler, *Alytes*, **24** : 14.

2008. *Leptolalax lateralis*- Humtsoe, Bordoloi, Ohler and Dubois, *Zootaxa*, **1921** : 24-34.

English name : Nagaland Asian Toad.

Type locality : Unknown place surrounding Myanmar (Bhamo).

Type specimen : Type specimen : At Museum of Institute of Advanced Study in Science and Technology (IASST A68 - neotype), Paschim Boragaon, Guwahati, Assam, India.

Distribution in India : Wokha (district), Nagaland.

Outside India : Myanmar (Frost, 2008).

Genus ***Scutiger*** Theobald

77. ***Scutiger nyingchiensis*** Fei, 1977

1977. *Scutiger nyingchiensis* Fei In *Sichuan Institute of Biology Herpetology Department, Acta Zool. Sinica*, **23** : 54, 61.

1978. *Scutiger occidentalis* Dubois, *Senckenb. Biol.*, **59** : 164.

1980. *Scutiger (Scutiger) nyingchiensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 478.

1980. *Scutiger (Scutiger) occidentalis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 478.

English name : Nyingchi High Altitude Toad ; Nyingchi Lazy Toad ; Ladakh Pelobatid Toad ; Nyingshi Alpine Toad ; Ladakh High Altitude Toad ; Asian Lazy Toad ; Western Pelobatid Toad.

Type locality : “Nyingchi”, Xizang (Tibet), China.

Type specimen : At Chengdu Institute of Biology (CIB 7310400), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Jammu and Kashmir (Dutta, 1997).

Outside India : Nepal, Tibet and China (Frost, 2008).

78. *Scutiger sikimensis* (Blyth, 1855)

1855. *Bombinator sikimensis* Blyth, “1854”, *J. Asiat. Soc. Bengal*, **23** : 300.

1864. *Bombinator sikkimensis* - Gunther, *Rept. Brit. India* : 400.

1868. *Scutiger sikkimensis* - Theobald, *J. Asiat. Soc. Bengal*, **37** : 83.

1871. *Bufo sikkimensis* - Anderson, *Proc. Zool. Soc. London*, 1871 : 204.

1872. *Bufo sikkimensis* Stoliczka, *Proc. Asiat. Soc. Bengal*, 1872 : 112.

1887. *Cophophryne sikkimensis* - Boulenger, *Ann. Mag. Nat. Hist., Ser. 5*, **20** : 406.

1980. *Scutiger (Scutiger) sikimensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 478.

English names : **Sikkim High Altitude Toad**; Sikkim Lazy Toad; Sikimmese Pelobatid Toad; Blyth’s Short-limbed Frog; Sikkim Spade Foot Frog.

Type locality : “Sikkim”, India.

Type specimen : At British Museum, (BM 1887.11.2.15 - neotype), London United Kingdom.

Distribution in India : Sikkim, Assam and West Bengal (Dutta, 1997).

Outside India : Nepal, Bhutan and China (Frost, 2008).

Genus *Xenophrys* Gunther

79. *Xenophrys boettgeri* (Boulenger, 1899)

1899. *Leptobrachium boettgeri* Boulenger, *Proc. Zool. Soc. London*, 1899 : 171.

1908. *Megalophrys boettgeri* - Boulenger, *Proc. Zool. Soc. London*, 1908 : 420.

1929. *Megophrys boettgeri* - Gee and Boring, *Peking Nat. Hist. Bull.*, **4** : 20.

1980. *Megophrys (Megophrys) boettgeri* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 472.

1997. *Panophrys boettgeri* - Rao and Yang, *Asiat. Herpetol. Res.*, **7** : 98-99.

1998. *Megophrys (Xenophrys) boettgeri* - Dubois and Ohler, *Dumerilia*, **4** : 14.

2003. *Xenophrys boettgeri* - Ohler, *Alytes*, **21** : 23.

English names : **Pale shouldered Horned Toad**; Boettger’s Spadefoot Toad; Boettger’s Pelobatid Toad.

Type locality : “Kuatun”, Fokien (Fujian), China.

Type specimen : At Museum of Comparative Zoology (MCZ 3790), Harvard University, Cambridge, Massachusetts, USA.

Distribution in India : Arunachal Pradesh and Sikkim (Dutta, 1997).

Outside India : China (Frost, 2008).

80. *Xenophrys glandulosa* (Fei, Ye and Huang, 1991)

1991. *Megophrys glandulosa* Fei, Ye, and Huang, “1990”, *Key to Chinese Amph* : 99, 273.

1998. *Megophrys (Xenophrys) glandulosa* - Dubois and Ohler, *Dumerilia*, 4 : 14.

2003. *Xenophrys glandulosa* - Ohler, *Alytes*, 21 : 23.

English names : **Glandular Horned Toad**; Jingdong Spadefoot Toad.

Type locality : “Wuliang Shan”, Jingdong, China.

Type specimen : At Chengdu Institute of Biology (CIB 873112), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Nagaland (Ao *et al.*, 2003).

Outside India : China and Myanmar (Frost, 2008).

81. *Xenophrys kempii* (Annandale, 1912)

1912. *Megalophrys kempii* Annandale, *Rec. Indian Mus.*, 8 : 20.

1997. *Panophrys kempii* - Rao and Yang, *Asiat. Herpetol. Res.*, 7 : 98-99.

1998. *Megophrys (Xenophrys) kempii* - Dubois and Ohler, *Dumerilia*, 4 : 14.

1999. *Megophrys kempii* - Fei, *Atlas Amph. China* : 116.

2003. *Xenophrys kempii* - Ohler, *Alytes*, 21 : 23.

English names : **Kemp's Horned Toad**; Kemp's Spadefoot Toad.

Type locality : “Upper Rotung”, Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 17013), West Bengal, India.

Distribution in India : Arunachal Pradesh (Dutta, 1997), Assam (Frost, 2007).

Outside India : Eastern Xizang, China and Myanmar (Frost, 2008).

82. *Xenophrys major* (Boulenger, 1908)

1870. *Xenophrys gigas* Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 85.

1908. *Megalophrys major* Boulenger, *Proc. Zool. Soc. London*, 1908 : 416.
 1929. *Megophrys major* - Gee and Boring, *Peking Nat. Hist. Bull.*, 4 : 20.
 1937. *Megophrys longipes maosonensis* Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1937 : 12.
 2003. *Xenophrys gigas* - Ohler, *Alytes*, 21 : 23.

English names : **Great Stream Horned Frog**; Anderson's Spadefoot Toad; Anderson's Pelobatid Toad; White-lipped Horned Toad; Doi Suthep Spine-eyed Frog; Doi Suthep Horn Frog.

Type locality : "Darjeeling", West Bengal, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9670; 9681; 10777; 10779), West Bengal, India.

Distribution in India : Nagaland (Ao et al., 2003).

Outside India : China, Myanmar, Thailand and Vietnam (Frost, 2008).

83. *Xenophrys parva* (Boulenger, 1893)

1864. *Xenophrys monticola* Gunther, *Rept. Brit. India* : 14.
 1882. *Xenophrys monticola* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 441.
 1889. *Leptobrachium monticola* - Boulenger, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2*, 7 : 748-750.
 1893. *Leptobrachium parvum* Boulenger, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2*, 13 : 344.
 1908. *Megalophrys parva* - Boulenger, *Proc. Zool. Soc. London*, 1908 : 419.
 1942. *Megophrys parva* - Bourret, *Batr. Indochine* : 203.
 1980. *Megophrys (Megophrys) parva* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 49 : 472.
 1997. *Panophrys parva* - Rao and Yang, *Asiat. Herpetol. Res.*, 7 : 98-99.
 1998. *Megophrys (Xenophrys) parva* - Dubois and Ohler, *Dumerilia*, 4 : 14.
 2001. *Xenophrys parva* - Khonsue and Thirakhupt, *Nat. Hist. J. Chulalongkorn Univ.*, 1 : 75.

English names : **Brown Horn Frog**; Burmese Spadefoot Toad; Myanmar Pelobatid Toad; Concave-crowned Horned Toad; Tubercular Breasted Frog; Brown Spine-eyed Frog; Lesser Stream Horned Frog; Small Spadefoot Toad.

Type locality : "Sikkim and Khasi Hills", India.

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 11587), Berlin, Germany.

Distribution in India : Sikkim, Assam, Meghalaya and West Bengal (Dutta, 1997).

Outside India : Nepal, Bangladesh, Myanmar, Thailand, China and Vietnam (Frost, 2008).

84. *Xenophrys robusta* (Boulenger, 1908)

1908. *Megalophrys robusta* Boulenger, *Proc. Zool. Soc. London*, 1908 : 418.

1980. *Megophrys (Megophrys) robusta* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **49** : 472.

1997. *Panophrys robusta* - Rao and Yang, *Asiat. Herpetol. Res.*, **7** : 98-99.

1998. *Megophrys (Xenophrys) robusta* - Dubois and Ohler, *Dumerilia*, **4** : 14.

2003. *Xenophrys robusta* - Ohler, *Alytes*, **21** : 23.

English names : **Robust Spadefoot Toad**; Bengal Spadefoot Toad; Robust Pelobatid Toad.

Type locality : “Darjeeling”, West Bengal, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC- register number not mentioned), West Bengal, India.

Distribution in India : Arunachal Pradesh and West Bengal (Dutta, 1997).

Outside India : Nepal (Frost, 2008).

85. *Xenophrys serchhipii* Mathew and Sen, 2007

2007. *Xenophrys serchhipii* Mathew and Sen, *Cobra*, Vol. I : 18-28.

English name : **Serchhipii horned frog**.

Type locality : ‘Agriculture Guest House compoun’ Serchip, Mizoram, India.

Type specimen : At Zoological Survey of India, Eastern Regional Station (ZSI-E 773), Shillong, Meghalaya, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to northeast India.

86. *Xenophrys wuliangshanensis* (Ye and Fei, 1995)

1995. *Megophrys wuliangshanensis* Ye and Fei, *Acta Herpetol. Sinica*, Zunyi, **4-5** : 73-74.

1998. *Megophrys (Xenophrys) wuliangshanensis* - Dubois and Ohler, *Dumerilia*, **4** : 14.

2003. *Xenophrys wuliangshanensis* - Ohler, *Alytes*, **21** : 23.

English name : Wuliangshan Horned Toad.

Type locality : “Ximinxiang”, Wuliangshan, Jingdong, Yunnan, China.

Type specimen : At Chengdu Institute of Biology (CIB 890126), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Nagaland (Ao *et al.*, 2003).

Outside India : China (Frost, 2008).

87. *Xenophrys zunhebotoensis* Mathew and Sen, 2007

2007. *Xenophrys zunhebotoensis* Mathew and Sen, *Cobra*, Vol I : 18-28.

English name : Zunheboto horned frog.

Type locality : ‘Nguti’ (Sukhalu), Zunheboto district, Nagaland, India.

Type specimen : At Zoological Survey of India, Eastern Regional Station (ZSI-E 771), Shillong, Meghalaya, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to northeast India.

Family : MICRIXALIDAE Dubois, Ohler and Biju

Genus *Micrixalus* Boulenger

88. *Micrixalus elegans* (Rao, 1937)

1937. *Philautus elegans* Rao, *Proc. Indian Acad. Sci., Ser. B*, 6 : 407.

2001. *Micrixalus elegans* - Bossuyt and Dubois, *Zeylanica*, 6 : 48.

English names : Elegant Torrent Frog; Elegant Bubble-nest Frog; Crimson Bush Frog, Elegant Bush Frog.

Type locality : “Kempholey”, Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

89. *Micrixalus fuscus* (Boulenger, 1882)

1882. *Ixalus fuscus* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 96.

1888. *Micrixalus fuscus* - Boulenger, *Proc. Zool. Soc. London, 1888* : 205.

1942. *Micrixalus herrei* Myers, *Proc. Biol. Soc. Washington, 55* : 71.

1946. *Staurois fuscus* - Forcart, *Verh. Naturforsch. Ges. Basel, 57* : 130.

English names : **Dusky Torrent Frog**; Brown Tropical Frog.

Type localities: "Travancore"; "Torocata"; "Anamallays"; "Sevagherry"; "Malabar"; "N. Canara" (in Karnataka, Tamil Nadu and Kerala parts), India.

Type specimen : At British Museum, (BM 72.4.12.256; 74.4.29.258-265; 74.4.29.927-930; 74.4.29.1401-1404; 74.4.29.1459-64; 74.4.29.1506-08), London United Kingdom.

Distribution in India : Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

90. *Micrixalus gadgili* Pillai and Pattabiraman, 1990

1990. *Micrixalus gadgili* Pillai and Pattabiraman, *Rec. Zool. Surv. India, 86* : 386.

English names : **Gadgil's Torrent Frog**; Gadgil's Tropical Frog.

Type locality : "Dynamite House", Pamba, Sabarigiri, Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/780), Tamil Nadu, India.

Distribution in India : Kerala (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

91. *Micrixalus kottigeharensis* (Rao, 1937)

1937. *Philautus kottigeharensis* Rao, *Proc. Indian Acad. Sci., Ser. B, 6* : 408.

2001. *Micrixalus kottigeharensis* - Bossuyt and Dubois, *Zeylanica, 6* : 49.

English names : **Kottigehar Torrent Frog**; Kottigehar Bubble-nest Frog; Kottigehar Bush Frog.

Type locality : "Kottigehar", Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

92. *Micrixalus narainensis* (Rao, 1937)

1937. *Philautus narainensis* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 413.

2001. *Micrixalus narainensis* - Bossuyt and Dubois, *Zeylanica*, **6** : 50.

English names : **Narain's Torrent Frog**; Kottigehar Bubble-nest Frog; Naraina's Bush Frog; Narain's Bush Frog.

Type locality : "Kottigehar", Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

93. *Micrixalus nudis* Pillai, 1978

1978. *Micrixalus nudis* Pillai, *Proc. Indian Acad. Sci., Ser. B*, **87** : 173.

English names : **Naked torrent Frog**; Kerala Tropical Frog; Pillai's Tropical Frog.

Type locality : "Chedleth", Kurichiat Reserve Forest, Wayanad, Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/771), Tamil Nadu, India.

Distribution in India : Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

94. *Micrixalus phyllophilus* (Jerdon, 1853)

1854. *Limnodytes? phyllophila* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 532.

1869. *Ixalus opisthorhodus* Gunther, "1868", *Proc. Zool. Soc. London*, 1868 : 484.

1888. *Micrixalus opithorhodus* - Boulenger, *Proc. Zool. Soc. London*, 1888 : 205.

1987. *Micrixalus phyllophilus* - Dubois, "1986", *Alytes*, 5 : 50.

English names : **Pink-thighed Torrent Frog**; Nilgiri Tropical Frog; Black-banded Frog.

Type locality : "Western forests among dead leaves" (Western Ghats), in South India.

Type specimen : At British Museum, (BM 1947.2.29.87 - neotype), London United Kingdom.

Distribution in India : Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

95. *Micrixalus saxicola* (Jerdon, 1853)

1854. *Polypedates saxicola* Jerdon, "1853", *J. Asiat. Soc. Bengal*, 22 : 533.

1882. *Ixalus saxicola* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 97.

1888. *Micrixalus saxicola* - Boulenger, *Proc. Zool. Soc. London, 1888* : 205.

English names : **Small Torrent Frog**; Malabar Tropical Frog; Jerdon's Olive-brown Frog.

Type locality : "Malabar and Wayanad", Kerala, India.

Type specimen : Not designated.

Distribution in India : Karnataka and Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

96. *Micrixalus silvaticus* (Boulenger, 1882)

1882. *Ixalus silvaticus* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 469.

1888. *Micrixalus silvaticus* - Boulenger, *Proc. Zool. Soc. London, 1888* : 205.

1946. *Staurois silvaticus* - Forcart, *Verh. Naturforsch. Ges. Basel*, 57 : 130.

English names : **Forest Torrent Frog**; Southern Tropical Frog; Boulenger's Malabar Frog.

Type locality : "Malabar", Kerala, India.

Type specimen : At British Museum, (BM 82.2.10.52-59), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

97. *Micrixalus swamianus* (Rao, 1937)

1937. *Philautus swamianus* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 409.

2001. *Micrixalus swamianus* - Bossuyt and Dubois, *Zeylanica*, **6** : 49.

English names : **Ramaswami's Torrent Frog**; Swami Bubble-nest Frog; Ramaswami's Bush Frog; Rao's Bush Frog.

Type locality : "Kottigehar", Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

98. *Micrixalus thampii* Pillai, 1981

1981. *Micrixalus thampii* Pillai, *Bull. Zool. Surv. India*, **3** : 153.

English names : **Thampi's Torrent Frog**; Silent Valley Tropical Frog; Thampi's Tropical Frog.

Type locality : "Silent Valley", Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/778), Tamil Nadu, India.

Distribution in India : Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

Family : MICROHYLIDAE Gunther

Sub-family : KALOPHRYNINAE Mivart

Genus *Kalophrynus* Tschudi

99. *Kalophrynus interlineatus* Blyth, 1855

1855. *Engystoma* (?) *interlineatum* Blyth, "1854", *J. Asiat. Soc. Bengal*, **23** : 732

1871. *Diplopelma interlineatum* - Anderson, *Proc. Zool. Soc. London*, 1871 : 202.
 1872. *Berdmorea interlineata* - Stoliczka, *Proc. Asiat. Soc. Bengal*, 1872 : 146.
 1882. *Calophrynus interlineata* - Theobald, In *Mason, Burma*, Ed. 2 : 291.
 1934. *Kalophrynus pleurostigma interlineatus* - Parker, *Monogr. Frogs Fam. Microhylidae* : 97.
 1996. *Kalophrynus interlineatus* - Matsui, Chan-ard, and Nabhitabhata, *Copeia*, 1996 : 440-445.
 2000. *Kalophrynus orangensis* Dutta, Ahmed, and Das, *Hamadryad*, 25 : 68.

English names : **Striped Sticky Frog**; Piebald Narrowmouthed Frog; Bubble-nest Frog.

Type locality : "Pegu" (Bago), Myanmar.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9853), West Bengal, India.

Distribution in India : Assam (Dutta, *et al.*, 2000).

Outside India : China, Vietnam, Laos, Cambodia, Myanmar, Thailand and Bangladesh (Frost, 2008).

Sub-family : MELANOBATRACHINAE Noble

Genus *Melanobatrachus* Beddome

100. *Melanobatrachus indicus* Beddome, 1878

1878. *Melanobatrachus indicus* Beddome, *Proc. Zool. Soc. London*, 1878 : 722.

English names : **Orange Black tubercled Indian Microhylid**; Kerala Hills Frog; Black Microhylid; Malabar Black Narrow-mouthed Frog.

Type locality : "Anamallays hills", Kerala and Tamil Nadu, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10969), West Bengal, India.

Distribution in India : Tamil Nadu and Kerala (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

Sub-family MICROHYLINAE Gunther

Genus *Kaloula* Gray

101. *Kaloula assamensis* Das, Sengupta, Ahmed and Dutta, 2004

2004. *Kaloula assamensis* Das, Sengupta, Ahmed, and Dutta, *Hamadryad*, 29 : 101-103.

English name : Assam Narrowmouth Toad.

Type locality : “Majbat”, Sonitpur, Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A.100069), West Bengal, India.

Distribution in India : Assam and Arunachal Pradesh (Das, *et al.*, 2004).

Outside India : Not known.

Note : Endemic to north east India.

102. *Kaloula baleata* (Muller, 1833)

1833. *Bombinator baleatus* Muller In Van Oort and Muller, *Verh. Batav. Genootsch. Wetensch.*, **16** : 96.

1838. *Hylaedactylus baleatus* - Tschudi, *Classif. Batr.* : 85.

1841. *Hylaedactylus baleatus* - Duméril and Bibron, *Erp. Gen.*, **8** : 734.

1856. *Hylaedactylus balteatus* - Lichtenstein and Martens, *Nomencl. Rept. Amph. Mus. Zool. Berol.*, : 42.

1856. *Hylaedactylus balteatus* var. *concatenata* Lichtenstein and Martens, *Nomencl. Rept. Amph. Mus. Zool. Berol.*, : 42.

1857. *Hylaedactylus lividus* Bleeker, *Natuurkd. Tijdschr. Nederl. Indie*, **14** : 239.

1858. *Bombinator (Hylaedactylus) balteatus* - Schlegel, *Handl. Dierkd.*, **2** : 58.

1859. *Hylaedactylus celebensis* Gunther, “1858”, *Cat. Batr. Sal. Coll. Brit. Mus.* : 122.

1859. *Kaloula baleata* - Gunther, “1858”, *Cat. Batr. Sal. Coll. Brit. Mus.* : 122.

1867. *Callula baleata* - Cope, *J. Acad. Nat. Sci. Philadelphia, Ser. 2*, **6** : 192.

1872. *Calohyla celebensis* - Peters, *Monatsber. Preuss. Akad. Wiss. Berlin*, 1872 : 585.

1883. *Plectropus baleatus* - Knauer, *Naturgesch. Lurche* : 112.

1909. *Kaloula baleata* - Barbour, *Proc. Acad. Nat. Sci. Philadelphia*, **61** : 405.

1954. *Kaloula baleata baleata* - Inger, *Fieldiana, Zool.*, **33** : 427.

1954. *Kaloula baleata ghoshi* Cherchi, *Doriana, Mus. Civ. Stor. Nat. Genova*, **1** : 1.

English names : **Muller’s Narrowmouth Toad**; Flower Pot Toad; Brown Bullfrog; Brown bullfrog; Black Bullfrog; Black Burrowing Frog; Gong Frog; Javanese Bullfrog.

Type locality : “Majbat”, Sonitpur (district), Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A.100069), West Bengal, India.

Distribution in India : Andaman Island (South and Little Andaman) (Dutta, 1997 and Chanda, 2002).

Outside India : Thailand, Malaysia, Indonesia, Sumatra, Java, Borneo and Vietnam (Frost, 2008).

103. *Kaloula pulchra* Gray, 1831

1831. *Kaloula pulchra* Gray, Zool. Misc., Part 1 : 38.
 1847. *Hylaedactylus bivittatus* Cantor, J. Asiat. Soc. Bengal, 16 : 1064.
 1864. *Callula pulchra* - Gunther, Rept. Brit. India : 437.
 1870. *Caloula pulchra* - Stoliczka, J. Asiat. Soc. Bengal, 39 : 155.
 1878. *Calohyla pulchra* - Peters and Doria, Ann. Mus. Civ. Stor. Nat. Genova, 13 : 429.
 1887. *Callula macrodactyla* Boulenger, Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2, 5 : 485.
 1909. *Kaloula pulchra* - Barbour, Proc. Acad. Nat. Sci. Philadelphia, 61 : 405.
 1927. *Callula (Kallula) pulchra* - Bourret, Fauna Indochine, Vert., 3 : 263.
 1934. *Kaloula pulchra pulchra* - Parker, Monogr. Frogs Fam. Microhylidae, 85 : 33-34.
 1938. *Kaloula pulchra hainana* Gressitt, Proc. Biol. Soc. Washington, 51 : 127.
 1942. *Kaloula pulchra macrocephala* Bourret, Batr. Indochine : 490.
 2001. *Kaloula aureata* Nutphund, Amph. Thailand : 163.
 2003. *Kaloula macrocephala* - Ohler, Alytes, 21 : 100.

English names : **Painted Frog**; Beautiful *Kaloula*; Malaysian Narrowmouth Toad; Asiatic Painted Frog; Malayan Bullfrog; Ceylon *Kaloula*; Digging Frog; Hainan Digging Frog; Piebald Digging Frog; Painted Bullfrog; Banded Bullfrog; Malaysian Bullfrog; Painted Burrowing Frog.

Type locality : "China"

Type specimen : Not designated.

Distribution in India : Meghalaya.

Outside India : Bangladesh, Myanmar, Thailand, China, Singapore, Sumatra, Borneo and Sulawesi (Frost, 2008).

104. *Kaloula taprobanica* Parker, 1934

1934. *Kaloula pulchra taprobanica* Parker, Monogr. Frogs Fam. Microhylidae : 86.
 1996. *Kaloula taprobanica* - Dutta and Manamendra-Arachchi, Amph. Fauna Sri Lanka : 30.

English names : **Sri Lankan Kaloula**; Sri Lankan Bullfrog.

Type locality : "Punduloya", Sri Lanka.

Type specimen : At British Museum, (BM 1905.3.25.138), London United Kingdom.

Distribution in India : West Bengal, Meghalaya, Assam, Bihar, Madhya Pradesh, Orissa, Karnataka and Tamil Nadu (Dutta, 1997).

Outside India : Nepal and Sri Lanka (Frost, 2008).

Genus *Microhyla* Tschudi105. *Microhyla berdmorei* (Blyth, 1856)

1856. *Engystoma* (?) *berdmorei* Blyth, "1855", *J. Asiat. Soc. Bengal*, **24** : 720.
 1867. *Callula natatrix* Cope, *J. Acad. Nat. Sci. Philadelphia, Ser. 2*, **6** : 192.
 1868. *Diploelma* (*Engystoma*) *berdmorei* - Gunther, *Zool. Rec.*, **4** : 146.
 1873. *Diploelma berdmorei* - Theobald, *Proc. Asiat. Soc. Bengal*, 1873 : 112.
 1882. *Microhyla* (*Engystoma*) *berdmorei* - Mason, *Burma, Ed. 3* : 292.
 1882. *Microhyla berdmorei* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 166.
 1882. *Microhyla* (*Engystoma*) *berdmorei* - Boulenger In Mason, *Burma, Ed. 3* : 500.
 1927. *Microhyla malcolmi* Cochran, *Proc. Biol. Soc. Washington*, **40** : 182.
 1934. *Microhyla berdmorei* - Parker, *Monogr. Frogs Fam. Microhylidae* : 127.
 1987. *Microhyla* (*Microhyla*) *berdmorei* - Dubois, *Alytes*, **6** : 3.

English names : **Berdmore's Chorus Frog**; Pegu Rice Frog; Berdmore's Narrow-mouthed Frog; Burmese Microhylid Frog.

Type locality : "Pegu" (Bago), Myanmar.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 9718-20), West Bengal, India.

Distribution in India : Meghalaya, Assam, Arunachal Pradesh and Mizoram (Dutta, 1997).

Outside India : China, Myanmar, Thailand, Vietnam, Cambodia, Malaysia, Sumatra, and Borneo (Frost, 2008).

106. *Microhyla butleri* Boulenger, 1900

1900. *Microhyla Butleri* Boulenger, *Ann. Mag. Nat. Hist., Ser. 7*, **6** : 188.
 1913. *Microhyla boulengeri* Vogt, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1913 : 222.
 1920. *Microhyla latastii* Boulenger, *Ann. Mag. Nat. Hist., Ser. 9*, **6** : 107.
 1924. *Microhyla grahami* Stejneger, *Occas. Pap. Boston Soc. Nat. Hist.*, **5** : 119.
 1924. *Microhyla sowerbyi* Stejneger, *Occas. Pap. Boston Soc. Nat. Hist.*, **5** : 119.
 1929. *Microhyla cantonensis* Chen, *China J. Sci. Arts, Shanghai*, **10** : 338.
 1987. *Microhyla* (*Microhyla*) *butleri* - Dubois, *Alytes*, **6** : 3.

English name : **Butler's Narrow-mouthed Toad**; Butler's Rice Frog; Butler's Pigmy Frog; Painted Chorus Frog; Tubercled Pygmy Frog; Noisy Frog.

Type locality : "Larut Hills", Perak, Malaya (Malaysia).

Type specimen : At British Museum, (BM 1901.3.20.5), London United Kingdom (now at Muzium Negara Malaysia/National Museum of Malaysia).

Distribution in India : Northeastern India (Mizoram) (Frost, 2008).

Outside India : Southern China, Myanmar, Vietnam, Thailand, Malay Peninsula and Singapore (Frost, 2008).

107. *Microhyla chakrapanii* Pillai, 1977

1977. *Microhyla chakrapanii* Pillai, *Proc. Indian Acad. Sci., Ser. B*, **86** : 135.

1987. *Microhyla (Microhyla) chakrapanii* - Dubois, *Alytes*, **6** : 3.

English name : Chakrapani's Narrow-mouthed Frog; Mayabunder Rice Frog; Bilateral Banded Frog.

Type locality : "Mayabunder" (east of Burma temple), North Andaman's, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA/770), Tamil Nadu, India.

Distribution in India : Andaman Islands (North Andaman) (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Andaman Islands.

108. *Microhyla heymonsi* Vogt, 1911

1911. *Microhyla heymonsi* Vogt, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1911 : 181.

1987. *Microhyla (Microhyla) heymonsi* - Dubois, *Alytes*, **6** : 3.

English names : Heymon's Narrow-mouthed Frog; Taiwan Rice Frog; Dark-sided Chorus Frog; Arcuate-spotted Pygmy Frog; Burrowing Microhylid Frog; Black-sided Narrow-mouthed Frog; Black-flanked pigmy Frog.

Type locality : "Formosa" (Taiwan), China.

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 21944), Berlin, Germany.

Distribution in India : Nicobar Islands (Great Nicobar) (Dutta, 1997).

Outside India : China, Malaysia and Sumatra (Frost, 2008).

109. *Microhyla ornata* (Dumeril and Bibron, 1841)

1841. *Engystoma ornatum* Dumeril and Bibron, *Erp. Gen.*, **8** : 745.

1843. *Siphneus ornatum* - Fitzinger, *Syst. Rept.* : 33.
 1854. *Engystoma malabaricum* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 534.
 1854. *Engystoma carnaticum* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 534.
 1859. *Diploelma ornatum* - Gunther, "1858", *Cat. Batr. Sal. Coll. Brit. Mus.* : 50.
 1870. *Diploelma carnaticum* - Stoliczka, *J. Asiat. Soc. Bengal*, **39** : 154.
 1882. *Microhyla (Engystoma) carnatica* - Mason, *Burma, Ed. 3* : 292.
 1882. *Microhyla ornata* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 165.
 1927. *Microhyla (Diploelma) ornata* - Bourret, *Fauna Indochine, Vert.*, **3** : 263.

English names : **Ornate Narrow-mouthed Frog**; Ant Frog; Malaysian Bullfrog; Ornate Narrow mouth Frog; Ornate Rice Frog; Ornate Pigmy Frog; Ornamented Pigmy Frog; Ornata Microhylid Frog; Black-throated Frog.

Type locality : "cote Malabar", India.

Type specimen : At Museum National d'Histoire Naturelle (MNHN 5035), Rue Cuvier, Paris, France.

Distribution in India : Throughout India (Dutta, 1997) including Andaman and Nicobar Island (Sarkar, 1990).

Outside India : Japan, China, Pakistan, Nepal and Sri Lanka Malaysia (Frost, 2008).

110. *Microhyla pulchra* (Hallowell, 1861)

1861. *Engystoma pulchrum* Hallowell, "1860", *Proc. Acad. Nat. Sci. Philadelphia*, **12** : 506.
 1861. *Scaptophryne labyrinthica* Fitzinger, "1860", *Sitzungsber. Akad. Wiss. Wien, Phys. Math. Naturwiss. Kl.*, **42** : 416.
 1864. *Diploelma pulchrum* - Günther, *Rept. Brit. India* : 417.
 1872. *Ranina symetrica* David, "1871", *Nouv. Arch. Mus. Natl. Hist. Nat. Paris*, **7** : 76.
 1882. *Microhyla pulchra* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 165.
 1908. *Microhyla hainanensis* Barbour, *Bull. Mus. Comp. Zool.*, **51** : 322.
 1914. *Microhyla melli* Vogt, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1914 : 101.
 1927. *Microhyla (Diploelma) pulchrum* - Bourret, *Fauna Indochine, Vert.*, **3** : 263.
 1930. *Microhyla major* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1930 : 317.
 1987. *Microhyla (Diploelma) pulchra* - Dubois, *Alytes*, **6** : 4.

English names : **Marbled Pigmy Frog**; Guangdong Rice Frog; Yellow-legged Pigmy Frog; Beautiful Pigmy Frog; Painted Frog; Yellow-legged Narrow-mouthed Frog; Painted Chorus Frog.

Type locality : "Hong-Kong", China.

Type specimen : Deposition not stated.

Distribution in India : West to northeastern India.

Outside India : China and Thailand (Frost, 2008).

111. *Microhyla rubra* (Jerdon, 1854)

1854. *Engystoma rubrum* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 534.

1864. *Copea fulva* Steindachner, *Verh. Zool. Bot. Ges. Wien*, **14** : 286.

1882. *Microhyla rubra* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 164.

1987. *Microhyla (Diplopelma) rubra* - Dubois, *Alytes*, **6** : 4.

English names : **Red Narrow-mouthed Frog**; Guangdong Rice Frog; Densely Spotted Microhylid Frog.

Type locality : "Carnatic", India and "Ceylon", Sri Lanka.

Type specimen : Not stated.

Distribution in India : Goa, Karnataka, Tamil Nadu and West Bengal (Dutta, 1997).

Outside India : Sri Lanka (Frost, 2008).

Note : Endemic to Western Ghats and Sri Lanka.

112. *Microhyla sholigari* Dutta and Ray, 2000

2000. *Microhyla sholigari* Dutta and Ray, *Hamadryad*, **25** : 39.

English name : **Sholigari microhylid**.

Type locality : "Bhargavi stream", Biligirirangan Hills, Chamrajanagar District, Karnataka, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A9061), West Bengal, India.

Distribution in India : Karnataka and Kerala (Chanda, 2002).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus *Micryletta* Dubois

113. *Micryletta inornata* (Boulenger, 1890)

1890. *Microhyla inornata* Boulenger, *Proc. Zool. Soc. London*, 1890 : 37.

1962. *Microhyla inornata inornata* - Taylor, Univ. Kansas Sci. Bull., **43** : 543.

1962. *Microhyla inornata lineata* Taylor, Univ. Kansas Sci. Bull., **43** : 546.

1987. *Micryletta inornata* - Dubois, Alytes, **6** : 4.

English names : **False Ornate Narrow-mouthed Frog**; Deli Paddy Frog; Deli Little Pygmy Frog.

Type locality : “Deli” or “Langahat”, Sumatra, Indonesia.

Type specimen : At British Museum, (BM 89.11.12.30), London United Kingdom.

Distribution in India : Andaman Islands (Dutta, 1997).

Outside India : Myanmar, Thailand, China and Sumatra (Frost, 2008).

Genus *Ramanella* Rao and Ramanna

114. *Ramanella anamalaiensis* Rao, 1937

1937. *Ramanella anamalaiensis* Rao, Proc. Indian Acad. Sci., Ser. B, **6** : 420.

English names : **Anamalai Ramanella**; Anamalai Dot Frog; Reddish-brown Microhylid Frog.

Type locality : “Anamallai Hills”, Coimbatore, Tamil Nadu, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

115. *Ramanella minor* Rao, 1937

1937. *Ramanella minor* Rao, Proc. Indian Acad. Sci., Ser. B, **6** : 417.

English names : **Small Ramanella**; Hassan Dot Frog; Olive Banded Frog.

Type locality : “Sakaleshpur”, Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

116. *Ramanella montana* (Jerdon, 1854)

1854. *Hylaedactylus montanus* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 533.

1934. *Ramanella montana* - Parker, *Monogr. Frogs Fam. Microhylidae* : 91.

English names : **Jerdon's Ramanella**; Mountain Dot Frog; Malabar Hill Frog.

Type locality : "Wayanad", Kerala, India.

Type specimen : Not stated.

Distribution in India : Gujarat, Maharashtra, Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

117. *Ramanella marmorata* Rao, 1937

1937. *Ramanella marmorata* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 419.

English names : **Marbled Ramanella**; Indian Dot Frog; Dark-banded Frog.

Type locality : "Sakaleshpur", Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Goa and Karnataka (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

118. *Ramanella triangularis* (Gunther, 1876)

1876. *Callula triangularis* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 576.

1918. *Kaloula triangularis* - Rao, *Rec. Indian Mus.*, **15** : 44.

1934. *Ramanella triangularis* - Parker, *Monogr. Frogs Fam. Microhylidae* : 94.

1937. *Ramanella triangularis rufeventris* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 418.

English names : **Malabar Ramanella**; Malabar Dot Frog; Triangular Spotted Frog.

Type locality : "Malabar", Kerala, India.

Type specimen : At British Museum, (BM 74.4.29.891-900 and 74.4.29.1010), London United Kingdom.

Distribution in India : Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

119. ***Ramanella variegata*** (Stoliczka, 1872)

1854. *Hylaedactylus carnaticus* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 533.

1872. *Callula variegata* Stoliczka, *Proc. Asiat. Soc. Bengal*, 1872 : 111.

1876. *Callula olivacea* Günther, "1875", *Proc. Zool. Soc. London*, 1875 : 576.

1918. *Kaloula variegata* - Rao, *Rec. Indian Mus.*, **15** : 43.

1925. *Ramanella symbioitica* Rao and Ramanna, *Proc. Zool. Soc. London*, 1925 : 1445.

English names : **Variegated Ramanella**; Eluru Dot Frog; Termite Nest Frog.

Type locality : "the Carnatic" (Karnataka and Tamil Nadu), India.

Type specimen : Not stated.

Distribution in India : Madhya Pradesh, West Bengal, Orissa, Tamil Nadu, Karnataka and Kerala (Dutta, 1997).

Outside India : Sri Lanka (Frost, 2008).

Note : Endemic to Western Ghats and Sri Lanka.

Genus ***Uperodon*** Dumeril and Bibron

120. ***Uperodon globulosus*** (Gunther, 1864)

1864. *Cacopus globulosus* Gunther, *Rept. Brit. India* : 416.

1867. *Systema globulosum* - Cope, *J. Acad. Nat. Sci. Philadelphia*, Ser. 2, **6** : 194.

1931. *Uperodon globulosum* - Parker, *Arch. Zool. Ital. Torino*, **16** : 1243.

1985. *Uperodon globulosus* - Frost, *Amph. Species World* : 391.

English names : **Indian Balloon Frog**; Indian Globular Frog; Balloon Frog; Grey Balloon Frog.

Type locality : "Russelconda", Orissa, India.

Type specimen : At British Museum, (BM 62.12.29.4), London United Kingdom.

Distribution in India : West Bengal, Orissa, Assam, Bihar, Madhya Pradesh, Gujarat, Maharashtra, Karnataka and Kerala (Dutta, 1997).

Outside India : Nepal (Frost, 2008).

121. *Uperodon systoma* (Schneider, 1799)

1799. *Rana systoma* Schneider, *Hist. Amph. Nat.* 144.
 1820. *Bombinator systoma* - Merrem, *Tent. Syst. Amph.* : 178.
 1829. *Engystoma marmoratum* Cuvier, *Regne Animal., Ed. 2, 2* : 112.
 1829. *Bufo (Engystoma) marmoratus* Cuvier, *Regne Animal., Ed. 2, 2* : 111.
 1829. *Bufo (Breviceps) marmoratus* Cuvier, *Regne Animal., Ed. 2, 2* : 112.
 1838. *Systema leschenaultii* Tschudi, *Classif. Batr.*: 49, 86.
 1838. *Engystoma marmoratum* - Gurrin-Meneville, *Icon. Regne Animal*, **3** : 17, pl. 27, fig. 3.
 1838. *Rana (Breviceps) marmoratum* - Guerin-Meneville, *Icon. Regne Animal*, **3** : 17.
 1841. *Uperodon marmoratum* - Dumeril and Bibron, *Erp. Gen.*, **8** : 749.
 1854. *Hyperodon marmoratum* - Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 533.
 1864. *Cacopus systoma* - Gunther, *Rept. Brit. India* : 415.
 1867. *Systema marmoratum* - Steindachner, *Reise Osterreichischen Fregatte Novara, Zool.*, : 36.
 1868. *Pachybatrachus Petersii* Keferstein, *Arch. Naturgesch.*, **34** : 274.
 1931. *Uperodon systoma* - Parker, *Arch. Zool. Ital. Torino*, **16** : 1243.
 2002. *Uperodon systomus* Anders, In *Schleich and Kästle (eds.), Amph. Rept. Nepal* : 199.

English names : **Marbled Balloon Frog**; Indistinct Frog; Globular Frog.

Type locality : "India orientali"

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 3551), Berlin, Germany.

Distribution in India : Himachal Pradesh, Uttar Pradesh, West Bengal, Orissa, Andhra Pradesh, Tamil Nadu, Kerala, and Karnataka (Dutta, 1997).

Outside India : Sri Lanka, Pakistan and Nepal (Frost, 2008).

Family : NASIKABATRACHIDAE Biju and Bossuyt

Genus *Nasikabatrachus* Biju and Bossuyt

122. *Nasikabatrachus sahyadrensis* Biju and Bossuyt, 2003

2003. *Nasikabatrachus sahyadrensis* Biju and Bossuyt, *Nature*, **425** : 711.

English name : **Pig Nose Frog**.

Type locality : "Kattappana", Idukki (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4202), Bombay, India.

Distribution in India : Kerala (Radhakrishnan, *et al.*, 2007a, 2007b) and Tamil Nadu (Dutta *et al.*, 2004).

Outside India : Not known.

Note : Endemic to Western Ghats.

Family : NYCTIBATRACHIDAE Blommers-Schlösser

Genus *Nyctibatrachus* Boulenger

123. *Nyctibatrachus aliciae* Inger, Shaffer, Koshy and Bakde, 1984

1984. *Nyctibatrachus aliciae* Inger, Shaffer, Koshy, and Bakde, *J. Bombay nat. Hist. Soc.*, **81** : 414.

English names : **Alicia's Night Frog**; Grandison's Wrinkled Frog; Cream Spotted Frog.

Type locality : "Ponmudi", Thiruvananthapuram, Kerala, India.

Type specimen : Earlier at National Museum of Natural History (NMNH) (formerly RFI 31300), New Delhi, India. Now moved to Regional Museum of Natural History (RMNH), Bhubaneswar.

Distribution in India : Kerala, Karnataka (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats, Type specimen is in very bad shape, mutilated. No morphological measurements are possible, requires neotype designation (KVG, pers. obs).

124. *Nyctibatrachus anamallaiensis* (Myers, 1942)

1942. *Nannobatrachus anamallaiensis* Myers, *Proc. Biol. Soc. Washington*, **55** : 49.

English name : **Anamallai Night Frog.**

Type locality : "Puthutotam Estate", Valparai, Tamil Nadu, India.

Type specimen : At California Academy of Sciences (CAS-SU 7197), Golden Gate Park, San Francisco, California, USA.

Distribution in India : Kerala (Inger *et al.*, 1984) and Tamil Nadu.

Outside India : Not known.

Note : Endemic to Western Ghats.

125. ***Nyctibatrachus beddomii*** (Boulenger, 1882)

1882. *Nannobatrachus beddomii* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 470.

1987. *Nyctibatrachus beddomii* - Dubois, "1986", *Alytes*, 5 : 68.

English names : **Beddome's Night Frog**; Pigmy Wrinkled Frog; Tirunelveli's Hill Frog.

Type locality : "Malabar" and "Tinnevelly" (Tirunelveli), India.

Type specimen : At Museum of Comparative Zoology (MCZ 2905-07), Harvard University, Cambridge, Massachusetts, USA.

Distribution in India : Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

126. ***Nyctibatrachus dattatreyaensis*** Dinesh, Radhakrishnan and Bhatta, 2008

2008. *Nyctibatrachus dattatreyaensis* Dinesh, Radhakrishnan and Bhatta, *Zootaxa*, **1914**; 45-56.

English name : **Dattatreya Night Frog**.

Type locality : "Dattatreya Peeta", Bhadra Wildlife Sanctuary, Chikmagalur district, Karnataka state, India.

Type specimen : At Zoological Survey of India, Western Ghats Field Research Station (ZSI/WGFRS/V/A/ 646), Calicut, Kerala, India.

Distribution in India : Inside and surroundings of Bhadra Wildlife Sanctuary, Chikmagalur, Karnataka, India.

Outside India : Not known.

Note : Endemic to Western Ghats.

127. ***Nyctibatrachus deccanensis*** Dubois, 1984

1876. *Rana pygmaea* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 568.

1882. *Nyctibatrachus pygmaeus* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 113.

1984. *Nyctibatrachus deccanensis* Dubois, *Alytes*, 3 : 161.

English names : **Deccan Night Frog**; Deccan Wrinkled Frog.

Type locality : "Malabar" and "Anamallays", Kerala, India.

Type specimen : At British Museum, (BM 1947.2.4.47; 147.2.4.51 and 1947.2.4.57), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

128. *Nyctibatrachus humayuni* Bhaduri and Kripalani, 1955

1955. *Nyctibatrachus humayuni* Bhaduri and Kripalani, *J. Bombay Nat. Hist. Soc.*, **52** : 852.

English names : **Bombay Night Frog**; Abdulali's Wrinkled Frog; Abdulali's Night Frog.

Type locality : "Mahabaleswar", Satars, Maharashtra, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 20628), West Bengal, India.

Distribution in India : Maharashtra and Karnataka (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

129. *Nyctibatrachus karnatakaensis* Dinesh, Radhakrishnan, Reddy and Gururaja, 2007

2001. *Nyctibatrachus hussaini* Krishnamurty, Reddy, and Gururaja, *Curr. Sci.*, **80** : 887.

2007. *Nyctibatrachus karnatakaensis* Dinesh, Radhakrishnan, Reddy and Gururaja *Curr. Sci.*, **93** (2) : 246-250.

English names : **Giant wrinkled frog**; Large wrinkled frog.

Type locality : "Manikyadhara Betta", Kudremukh National Park, Sringeri (taluk), Chikmagalur (district), Karnataka, India.

Type specimen : At Zoological Survey of India, Western Ghats Field Research Station (ZSI/WGFRS/V/A 579), Calicut, Kerala, India.

Distribution in India : In and around Kudremukh National Park, Karnataka.

Outside India : Not known.

Note : Endemic to Western Ghats.

130. *Nyctibatrachus kempholeyensis* (Rao, 1937)

1937. *Nannobatrachus kempholeyensis* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 401.

1987. *Nyctibatrachus kempholeyensis* - Dubois, "1986", *Alytes*, **5** : 68.

English names : **Kempholey Night Frog**; Kempholey Wrinkled Frog.

Type locality : "Hills of Kempholey Ghats", Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

131. *Nyctibatrachus major* Boulenger, 1882

1882. *Nyctibatrachus major* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 114.

1910. *Rana travancorica* Annandale, *Rec. Indian Mus.*, **5** : 191.

English names : **Malabar Night Frog**; Large Wrinkled Frog; Boulenger's Narrow-eyed Frog.

Type locality : "Malabar", Wynaad, Kerala, India.

Type specimen : At Museum of Comparative Zoology (MCZ 15405), Harvard University, Cambridge, Massachusetts, USA.

Distribution in India : Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

132. *Nyctibatrachus minimus* Biju, Bocxlaer, Giri, Roelants, Nagaraju and Bossuyt, 2007

2007. *Nyctibatrachus minimus* Biju, Bocxlaer, Giri, Roelants, Nagaraju and Bossuyt, *Current Science*, **93**(6) : 854-858.

English name : **Miniature nightfrog**.

Type locality : "Kurichiyarmala", Wayanad District, Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4527), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

133. ***Nyctibatrachus minor*** Inger, Shaffer, Koshy and Bakde, 1984

1984. *Nyctibatrachus minor* Inger, Shaffer, Koshy, and Bakde, *J. Bombay nat. Hist. Soc.*, **81** : 418.

English names : **Small Wrinkled Frog**; Kerala Night Frog.

Type locality : “Ponmudi”, Thiruvananthapuram, Kerala, India.

Type specimen : Earlier at National Museum of Natural History (NMNH) (RFI 31175), New Delhi, India. Now moved to Regional Museum of Natural History (RMNH), Bhubaneswar.

Distribution in India : Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

134. ***Nyctibatrachus petraeus*** Das and Kunte, 2005

2005. *Nyctibatrachus petraeus* Das and Kunte, *J. Herpetol.*, **39** : 465.

English name : **Castle rock Night frog**.

Type locality : “Castle Rock”, Karwar, Karnataka, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A 10070), West Bengal, India.

Distribution in India : Karwar, Karnataka (Type locality).

Outside India : Not known.

Note : Endemic to Western Ghats, Type specimens in bad condition and femoral gland is absent in female (original description, says presence of femoral gland in female) and requires lectotype designation.

135. ***Nyctibatrachus sanctipalustris*** Rao, 1920

1920. *Nyctibatrachus sancti-palustris* Rao, *J. Nat. Hist. Soc. Bombay*, **27** : 125.

1920. *Nyctibatrachus sanctipalustris* var. *modestus* Rao, *J. nat. Hist. Soc. Bombay*, **27** : 125.

1987. *Nyctibatrachus modestus* - Dubois, "1986", *Alytes*, 5 : 68.

English names : **Coorg Night Frog**; Shimoga Night Frog; Sacred Swamp Wrinkled Frog.

Type locality : "The sacred swamps of the Cauvery (river)", Brahmagiri Hills, Coorg, Karnataka, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 19182-84), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

136. *Nyctibatrachus sholai* Radhakrishnan, Dinesh and Ravichandran, 2007

2007. *Nyctibatrachus sholai* Radhakrishnan, Dinesh and Ravichandran, *Zootaxa*, 1595 : 31-41.

English name : **Eravikulam Night Frog**.

Type locality : "Kolukkumalai" Eravikulam National Park, Idduki, Kerala, India.

Type specimen : At Zoological Survey of India, Western Ghats Field Research Station (ZSI/WGFRS/V/A/ 611), Calicut, Kerala, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

137. *Nyctibatrachus sylvaticus* Rao, 1937

1937. *Nyctibatrachus sylvaticus* Rao, *Proc. Indian Acad. Sci., Ser. B*, 6 : 399.

English names : **Forest Night Frog**; Forest Wrinkled Frog; Rao's Lateral-eyed Frog.

Type locality : "Forests of Kempholey", Sakaleshpur, Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

138. ***Nyctibatrachus vasanthi*** Ravichandran, 1997

1997. *Nyctibatrachus vasanthi* Ravichandran, Hamadryad, **22** : 9.

English name : Kalakad Wrinkled Frog.

Type locality : “Solaipalam Aru (Kakachi)”, Kalakad Tiger Reserve, Tirunelveli, Tamil Nadu, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS 1074), Tamil Nadu, India

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

Family : RANIDAE Rafinesque

Genus ***Amolops*** Cope

139. ***Amolops assamensis*** Sengupta, Hussain, Choudhury, Gogoi, Ahmed and Choudry, 2008

2008. *Amolops assamensis* Sengupta, Hussain, Choudhury, Gogoi, Ahmed and Choudry, Hamadryad, **32** (1), 5-12.

English name : Assam Stream Frog.

Type locality : “Mayeng hill reserve forest”, Kamrup district, Assam, North-eastern India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A 10272), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Assam.

140. ***Amolops chakrataensis*** Ray, 1992

1992. *Amolops chakrataensis* Ray, *Indian J. Forestry*, **15** : 346.

English name : **Dehradun Stream Frog**.

Type locality : “Chakrata”, Dehra Dun, Uttar Pradesh, India.

Type specimen : At Zoological Survey of India, Northern Regional Station (ZSI-NRS A-197), Dehra Dun, Uttar Pradesh, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Uttaranchal.

141. *Amolops formosus* (Gunther, 1876)

1876. *Polypedates formosus* Gunther, “1875”, *Proc. Zool. Soc. London*, 1875 : 570.

1882. *Rana formosa* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 70.

1920. *Rana (Hylorana) formosa* - Boulenger, *Rec. Indian Mus.*, 20 : 220.

1974. *Amolops formosus* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, 213 : 357.

1992. *Amolops (Amolops) formosus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 321.

English names : **Beautiful Stream Frog**; Assam Sucker Frog; Assam Cascade Frog; Hill Stream Frog.

Type locality : “Khassya” (Khasi Hills), Assam, India.

Type specimen : At British Museum, (BM 1947.2.4.18), London United Kingdom.

Distribution in India : West Bengal, Punjab, Uttar Pradesh, Meghalaya and Sikkim (Dutta, 1997).

Outside India : Bangladesh and Nepal (Frost, 2008).

142. *Amolops gerbillus* (Annandale, 1912)

1912. *Rana gerbillus* Annandale, *Rec. Indian Mus.*, 8 : 10.

1920. *Rana (Hylorana) gerbillus* - Boulenger, *Rec. Indian Mus.*, 20 : 127-130.

1991. *Amolops gerbillus* Fei, Ye, and Huang, “1990”, *Key to Chinese Amph.* : 165.

1992. *Amolops (Amolops) gerbillus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 321.

1993. *Rana gerbillus* - Zhao and Adler, *Herpetol. China* : 142.

English names : **Gerbil Stream Frog**; Yembung Sucker Frog; Small-eared Torrent Frog; Gerbil Frog.

Type locality : “Yembung”, Abor foot-hills, Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 16925), West Bengal, India.

Distribution in India : Meghalaya and Arunachal Pradesh (Dutta, 1997).

Outside India : China and Myanmar (Frost, 2008).

143. *Amolops himalayanus* (Boulenger, 1888)

1888. *Rana himalayana* Boulenger, *Ann. Mag. Nat. Hist., Ser. 6*, **2** : 507.

1920. *Rana (Hylorana) himalayana* - Boulenger, *Rec. Indian Mus.*, **20** : 219.

1942. *Staurois himalayanus* - Bourret, *Batr. Indochine* : 381.

1966. *Amolops himalayanus* - Inger, *Fieldiana, Zool.*, **52** : 256

1974. *Amolops formosus himalayanus* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **213** : 357.

1991. *Amolops himalayanus* - Yang, *Fieldiana, Zool., N.S.*, **63** : 12.

English names : **Himalaya Sucker Frog**; Himalaya Cascade Frog; Himalayan Frog.

Type locality : “Darjeeling”, India.

Type specimen : At British Museum (BM 1947.2.3.83-84 and 1947.2.27.95-96), London United Kingdom.

Distribution in India : Darjeeling.

Outside India : Nepal (Frost, 2008).

144. *Amolops jaunsari* Ray, 1992

1992. *Amolops jaunsari* Ray, *Indian J. Forestry*, **15** : 348.

English name : **Jaunsar Stream Frog**.

Type locality : “Chakrata”, Dehra Dun, Uttaranchal, India.

Type specimen : At Zoological Survey of India, Northern Regional Station (ZSI-NRS A-196), Dehra Dunn, Uttar Pradesh, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Uttaranchal.

145. *Amolops kaulbacki* (Smith, 1940)

1940. *Rana kaulbacki* Smith, *Rec. Indian Mus.*, **42** : 472.

1974. *Amolops kaulbacki* - Dubois, *Bull. Mus. Natl. Hist. Nat. Paris, Ser. 3, Zool.*, **213** : 361.

1992. *Amolops (Amolops) kaulbacki* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 321.

English names : **Kaulback's Torrent Frog**; Burmese Sucker Frog.

Type locality : "Pangnamdim", Upper Myanmar.

Type specimen : At British Museum, (BM 1940.6.1.1), London United Kingdom.

Distribution in India : Mizomar (Frost, 2008).

Outside India : Myanmar (Frost, 2008).

146. *Amolops marmoratus* (Blyth, 1855)

1855. *Polypedates* (?) *marmoratus* Blyth, *J. Asiat. Soc. Bengal*, **24** : 187-188.

1858. *Polypedates afghana* Gunther, *Arch. Naturgesch.*, **24** : 325.

1865. *Amolops afghanus* - Cope, *Nat. Hist. Rev., N.S.*, **5** : 117.

1879. *Ixalus kakhienensis* Anderson, "1878", *Anat. Zool. Res.* : 845.

1882. *Rana afghana* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 69.

1882. *Rana (Polypedates) afghana* - Boulenger In Mason, *Burma, Ed. 3* : 499.

1882. *Rana latopalmata* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 464.

1912. *Ixalus argus* Annandale, *Rec. Indian Mus.*, **8** : 16.

1920. *Rana (Hylorana) latopalmata* - Boulenger, *Rec. Indian Mus.*, **20** : 217.

1931. *Rhacophorus (Philautus) argus* - Ahl, *Das Tierreich*, **55** : 74.

1938. *Hylorana latopalmata* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin, 1938* : 144.

1940. *Staurois afghanus* - Pope and Boring, *Peking Nat. Hist. Bull.*, **15** : 47.

1966. *Amolops afghanus* - Inger, *Fieldiana, Zool.*, **52** : 256.

1985. *Philautus argus* - Inger In Frost, *Amph. Species World* : 527.

1987. *Rana senchalensis* Chanda, "1986", *J. Bengal Nat. Hist. Soc., N.S.*, **5** : 146.

1992. *Amolops (Amolops) marmoratus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 321.

1998. *Amolops senchalensis* - Das and Dutta, *Hamadryad*, **23** : 64.

English names : **Senchal Stream Frog**; Marbled Sucker Frog; Senchal Lake Frog; Meghalaya Stream Frog; Afghan Frog; Cascade Frog; Torrent Frog; Gunther's Stream Frog; Ang-ka Pad-disced Frog; Senchal Frog; Northern Cascade Frog.

Type locality : “Schwe Gyen”, Pegu (Bago), Myanmar.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC-register number not available), West Bengal, India.

Distribution in India : Nagaland (Ao *et al.*, 2003).

Outside India : Myanmar, Thailand, China and Bangladesh (Frost, 2008).

147. *Amolops monticola* (Anderson, 1871)

1871. *Hylorana monticola* Anderson, *J. Asiat. Soc. Bengal*, **40** : 20.

1890. *Rana monticola* - Boulenger, *Fauna Brit. India, Rept. Batr.* : 461.

1920. *Rana (Hylorana) monticola* - Boulenger, *Rec. Indian Mus.*, **20** : 127-130.

1977. *Staurois monticola* - Sichuan Biological Research Institute, *Syst. Key Chinese Amph* : 56.

1985. *Amolops monticola* - Zhao in Frost, *Amph. Species World* : 455.

1992. *Amolops (Amolops) monticola* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 321.

English names : **Mountain Stream Frog**; Mountain Sucker Frog; Mountain Torrent Frog; Mountain Cascade Frog; Cascade Frog.

Type locality : “Darjeeling”, West Bengal, India.

Type specimen : Assigned at Zoological Survey of India, Kolkata (ZSIC- 10036), West Bengal, India.

Distribution in India : West Bengal and Nagaland (Dutta, 1997).

Outside India : Nepal and China (Frost, 2008).

148. *Amolops viridimaculatus* (Jiang, 1983)

1983. *Staurois viridimaculatus* Jiang, *Acta Herpetol. Sinica, N.S.*, **2** : 71.

1985. *Amolops viridimaculatus* - Borkin, Matsui, and Zhao in Frost, *Amph. Species World* : 456.

1992. *Amolops (Amolops) viridimaculatus* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 321.

English name : **Dahaoping Sucker Frog**.

Type locality : Dahaoping, Tengchung, Yunnan, China.

Type specimen : At Chengdu Institute of Biology (CIB 820821), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Nagaland (Ao *et al.*, 2003).

Outside India : China and Vietnam (Frost, 2008).

Genus ***Clinotarsus*** Mivart149. ***Clinotarsus alticola*** (Boulenger, 1882)

1870. *Hylorana pipiens* Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 83.
 1872. *Hylarana pipiens* - Stoliczka, *Proc. Asiat. Soc. Bengal*, 1872 : 106.
 1882. *Rana alticola* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 62.
 1920. *Rana (Hylorana) alticola* - Boulenger, *Rec. Indian Mus.*, 20 : 125.
 1938. *Hylorana alticola* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 145.
 1939. *Hylarana alticola* - Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1939 : 59.
 1942. *Rana (Hylarana) alticola* - Bourret, *Batr. Indochine* : 348.
 1992. *Rana (Nasirana) alticola* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 329.
 2006. *Nasirana alticola* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, 297 : 369.
 2008. *Clinotarsus alticola* - Stuart, *Mol. Phylogenet. Evol.*, 46 : 58 by implication.

English names : **Hill Frog**; Assam Hills Frog; Annandale's Frog; Pointed-headed Frog; Palebrown Stream Frog.

Type locality : "Shillong", Khasi Hills, Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10039 and 10041-45), West Bengal, India.

Distribution in India : Meghalaya, Assam and Sikkim (Dutta, 1997).

Outside India : Bangladesh (Frost, 2008).

150. ***Clinotarsus curtipes*** (Jerdon, 1853)

1854. *Rana curtipes* Jerdon, "1853", *J. Asiat. Soc. Bengal*, 22 : 532.
 1868. *Pachybatrachus robustus* Mivart, *Proc. Zool. Soc. London*, 1868 : 557.
 1869. *Clinotarsus robustus* - Mivart, *Proc. Zool. Soc. London*, 1869 : 280.
 1870. *Hylorana curtipes* - Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 83.
 1882. *Rana curtipes* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 61.
 1920. *Rana (Hylorana) curtipes* - Boulenger, *Rec. Indian Mus.*, 20 : 131-133.
 1987. *Rana (Hylarana) curtipes* - Dubois, "1986", *Alytes*, 5 : 42.
 1992. *Rana (Clinotarsus) curtipes* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 328.
 2005. *Clinotarsus curtipes* - Krishna and Krishna, *Herpetol. Rev.*, 36 : 21.

English names : **Bicoloured Frog**; Malabar Frog.

Type locality : “Malabar”, Kerala, India.

Type specimen : Reported as lost.

Distribution in India : Karnataka and Kerala (Dutta, 1997 and Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus *Humerana* Dubois

151. *Humerana humeralis* Boulenger, 1887

1887. *Rana humeralis* Boulenger, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2*, 5 : 420.

1920. *Rana (Hylorana) humeralis* - Boulenger, *Rec. Indian Mus.*, 20 : 124.

1938. *Hylorana humeralis* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 144.

1942. *Rana (Hylarana) humeralis* - Bourret, *Batr. Indochine* : 324.

1992. *Rana (Humerana) humeralis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 324-325.

2006. *Humerana humeralis* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, 297: 368.

English name : **Bhamo Frog**.

Type locality : “Bhamo” and “Teinzo”, Myanmar.

Type specimen : At Museo Civico di Storia Naturale di Genova Giacomo Doria (MSNG 29299), Via Brigata Liguria, Genova, Italy.

Distribution in India : Assam and Nagaland (Ao *et al.*, 2003).

Outside India : Myanmar, Nepal, Bangladesh and Bhutan (Frost, 2008).

Genus *Hylarana* Tschudi

152. *Hylarana aurantiaca* (Boulenger, 1904)

1904. *Rana aurantiaca* Boulenger, *J. Bombay nat. Hist. Soc.*, 15 : 430.

1920. *Rana (Hylorana) aurantiaca* - Boulenger, *Rec. Indian Mus.*, 20 : 127-130.

1922. *Rana (Hylorana) bhagmandlensis* Rao, *J. Bombay nat. Hist. Soc.*, 28 : 441.

1987. *Rana (Hylarana) aurantiaca* - Dubois, “1986”, *Alytes*, 5 : 42.

1987. *Rana (Hylarana) bhagmandlensis* - Dubois, “1986”, *Alytes*, 5 : 42.

1992. *Rana (Sylvirana) aurantiaca* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 326.

1992. *Rana (Sylvirana) bhagmandlensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 326.

2005. *Hylarana aurantiaca* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, 15 : 237.

2006. *Sylvirana aurantiaca* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 370.

English names : **Golden Frog**; Trivandrum Frog; Small Wood Frog.

Type locality : “Thiruvananthapuram”, Kerala, India.

Type specimen : At British Museum, (BM 1947.2.2.92), London United Kingdom.

Distribution in India : Maharashtra, Karnataka, Kerala, Tamil Nadu (Frost, 2008).

Outside India : Sri Lanka (Frost, 2008).

Note : Endemic to Western Ghats and Sri Lanka.

153. *Hylarana erythraea* (Schlegel, 1837)

1837. *Hyla erythraea* Schlegel, *Abbild. Neuer Unvollst. Amph.* **1** : 27.

1838. *Hylarana erythraea* - Tschudi, *Classif. Batr.* : **37**, 78.

1841. *Limnodytes erythraeus* - Duméril and Bibron, *Erp. Gen.*, **8** : 511.

1864. *Hylorana erythraea* - Gunther, *Rept. Brit. India* : 425.

1882. *Rana erythraea* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 65.

1882. *Rana (Hylorana) erythraea* - Boulenger *In Mason, Burma, Ed. 3* : 499.

1887. *Rana (Hylarana) erythraea* - Muller, *Verh. Naturforsch. Ges. Basel*, **8** : 254.

1927. *Rana (Limnodytes) erythraea* - Bourret, *Fauna Indochine, Vert.*, **3** : 264.

1938. *Hylorana erythraea* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin, 1938* : 144.

1942. *Polypedates erythraea* - Bourret, *Batr. Indochine* : 329.

1991. *Hylarana (Hylarana) erythraea* - Fei, Ye, and Huang, “1990”, *Key to Chinese Amph.* : 139.

2005. *Hylarana erythraea* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 237.

English names : **Golden-lined Frog**; Red-eared Frog; Green Paddy Frog; Common Greenback; Green Lotus Frog.

Type locality : “Java” and “Sumatra”, Indonesia.

Type specimen : At National Natuurhistorisch Museum (formerly Rijksmuseum van Natuurlijke Historie) (RMNH 1744), Postbus, The Netherlands.

Distribution in India : West Bengal, Assam Meghalaya and Mizoram (Dutta, 1997).

Outside India : Cambodia, Laos, Indonesia, Borneo, Malaysia, Singapore, Thailand, Vietnam and Philippines and Celebes (Frost, 2008).

154. *Hylarana garoensis* (Boulenger, 1920)

1920. *Rana garoensis* Boulenger, *Rec. Indian Mus.*, **20** : 170.
1920. *Rana (Hylarana) garoensis* - Boulenger, *Rec. Indian Mus.*, **20** : 127-130.
1977. *Rana danieli* Pillai and Chanda, *J. Bombay Nat. Hist. Soc.*, **74** : 136.
1981. *Rana (Hylarana) danieli* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 242.
1987. *Rana (Hylarana) garoensis* - Dubois, "1986", *Alytes*, **5** : 42.
1992. *Rana (Sylvirana) garoensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 326.
1992. *Rana (Sylvirana) danieli* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 326.
2005. *Hylarana garoensis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 237.
2005. *Hylarana danieli* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 237.
2006. *Sylvirana garoensis* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 370.

English names : **Garó Hills Frog**; Boulenger's Garó Hill Frog; Mawphlang Frog; Daniel's Frog.

Type locality : "Garó Hills", Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 188557), West Bengal, India.

Distribution in India : Assam, Meghalaya, Arunachal Pradesh and Manipur (Dutta, 1997).

Outside India : Not known.

Note : Endemic to northeast India.

155. *Hylarana labialis* (Boulenger, 1887)

1887. *Rana labialis* Boulenger, *Ann. Mag. Nat. Hist., Ser. 5*, **19** : 345.
1920. *Rana (Hylarana) chalconota* var. *labialis* - Boulenger, *Rec. Indian Mus.*, **20** : 203.
1923. *Rana (Hylarana) labialis* - Van Kampen, *Amph. Indo-Austral. Arch.*, : 220.
2007. *Hydrophylax labialis* - Frost, *Amph. Spec. World Online*, vers. 5.0.

English name : **White-lipped Frog**.

Type locality : "Malacca", West Malaysia.

Type specimen : At British Museum, (BM 1947.2.3.40), London United Kingdom.

Distribution in India : Great Nicobar Islands (Frost, 2008).

Outside India : Indonesia, Malaysia, Borneo, Sumatra, Singapore and Thailand (Frost, 2008).

156. *Hylarana leptoglossa* (Cope, 1868)

1868. *Hylarana leptoglossa* Cope, *Proc. Acad. Nat. Sci. Philadelphia*, **20** : 140.
 1871. *Hylarana granulosa* Anderson, *J. Asiat. Soc. Bengal*, **40** : 23.
 1882. *Lymnodytes granulosa* - Mason, *Burma, Ed. 3* : 291.
 1892. *Rana granulosa* - Sclater, *Proc. Zool. Soc. London*, 1892 : 346, 348.
 1895. *Rana granulata* - Boulenger, "1894", *Proc. Zool. Soc. London*, 1894 : 641.
 1917. *Rana leptoglossa* - Annandale, *Mem. Asiat. Soc. Bengal*, **6** : 140.
 1920. *Rana (Hylarana) leptoglossa* - Boulenger, *Rec. Indian Mus.*, **20** : 124, 145.
 1938. *Hylarana granulosa* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 144.
 1942. *Rana (Hylarana) leptoglossa* - Bourret, *Batr. Indochine* : 314.
 1942. *Hylarana leptoglossa* - Bourret, *Batr. Indochine* : 315.
 1942. *Hylarana granulosa* - Bourret, *Batr. Indochine* : 315.
 1992. *Rana (Sylvirana) leptoglossa* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 326.
 2005. *Hylarana leptoglossa* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 237.
 2006. *Sylvirana leptoglossa* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 370.

English names : **Cope's Frog**; Cope's Assam Frog; Long-tongued Frog; Palebrown Small Frog.

Type locality : "near Rangoon", Burma (Myanmar).

Type specimen : At Museum of Comparative Zoology (MCZ 623), Harvard University, Cambridge, Massachusetts, USA.

Distribution in India : Assam and Meghalaya (Dutta, 1997).

Outside India : Myanmar, Thailand and Bangladesh (Frost, 2008).

157. *Hylarana malabarica* (Tschudi, 1838)

1838. *Rana malabarica* Tschudi, *Classif. Batr.*, : **40**, 80.
 1859. *Hylarana malabarica* - Gunther, "1858", *Cat. Batr. Sal. Coll. Brit. Mus.*, : 131.
 1861. *Hydrophylax malabaricus* - Fitzinger, "1860", *Wiss. Wien, Phys. Math. Naturwiss. Kl.*, **42** : 414.

1864. *Hylorana malabarica* Gunther, *Rept. Brit. India*: 426.
 1882. *Rana malabarica* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 60.
 1920. *Rana (Rana) malabarica* - Boulenger, *Rec. Indian Mus.*, 20 : 9.
 1992. *Rana (Hydrophylax) malabarica* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 325.
 2006. *Hydrophylax malabaricus* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, 297 : 368.
 2007. *Hylarana malabarica* - Che, Pang, Zhao, Wu, Zhao, and Zhang, , *Mol. Phylogenet. Evol.*, 43 : 1-13, by implication.

English names : **Fungoid Frog**; Malabar Hills Frog.

Type locality : "Malabar", India.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 771; 4439 and 4440), Rue Cuvier, Paris, France.

Distribution in India : Western Ghats, Assam and Meghalaya (Dutta, 1997).

Outside India : Not known.

Note : Endemic to India.

158. *Hylarana nicobariensis* (Stoliczka, 1870)

1800. *Hyla bilineata* Van-Ernest In Daudin, *Hist. Nat. Quad. Ovip.*, Livr. 2 : 22, pl. 5.
 1801. *Hyla bilineata* Daudin In Sonnini de Manoncourt and Latreille, (An. X), *Hist. Nat. Rept.*, 2 : 179.
 1820. *Calamita bilineatus* - Merrem, *Tent. Syst. Amph.* : 171.
 1830. *Auletris bilineatus* - Wagler, *Nat. Syst. Amph.* : 201.
 1870. *Hylorana Nicobariensis* Stoliczka, *Proc. Asiat. Soc. Bengal*, 1870 : 104.
 1883. *Rana macularia* var. *javanica* Horst, *Note s Leyden Mus.*, 5 : 243.
 1884. *Rana javanica* - Boulenger, *Zool. Rec.*, 20 : 20.
 1885. *Rana nicobariensis* - Boulenger, *Ann. Mag. Nat. Hist.*, Ser. 5, 16 : 389.
 1892. *Rana erythraea* var. *elongata* Werner, *Jahresber. Abhandl. Naturwiss. Ver. Magdeburg*, 1892 : 253.
 1893. *Rana lemniscata* Boettger, *Zool. Anz.*, 16 : 337.
 1907. *Rana javanica* - Van Kampen, *Zool. Ergebn. Reis. Nederland. Ost-Indien*, 4 : 392.
 1920. *Rana (Hylorana) nicobariensis* - Boulenger, *Rec. Indian Mus.*, 20 : 125.
 1920. *Rana sanchezi* Taylor, *Philipp. J. Sci.*, 16 : 256.
 1920. *Rana suluensis* Taylor, *Philipp. J. Sci.*, 16 : 264.
 1920. *Rana (Hylorana) nicobariensis* - Boulenger, *Rec. Indian Mus.*, 20 : 127-130.

1923. *Rana (Hylarana) nicobariensis* - Van Kampen, *Amph. Indo-Austral. Arch.* : 224.
 1927. *Rana nicobariensis javanica* - Mertens, *Senckenb. Biol.*, **9** : 242.
 1938. *Hylarana nicobariensis* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 144.
 1954. *Rana nicobariensis nicobariensis* - Inger, *Fieldiana, Zool.*, **33** : 331.
 1992. *Rana (Sylvirana) nicobariensis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 326.
 2006. *Sylvirana nicobariensis* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 370.
 2007. *Hylarana nicobariensis* - Che, Pang, Zhao, Wu, Zhao, and Zhang, *Mol. Phylogenet. Evol.*, **43** : 3, by implication.

English names : **Nicobar Island Frog**; Cricket Frog; Nicobarese Frog; Nicobar Frog; Nicobar Cricket Frog.

Type locality : "île de Java", Indonesia.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 2783 and 2785-86), West Bengal, India.

Distribution in India : Assam, Tripura and Nicobar Islands (Dutta, 1997).

Outside India : Philippines, Thailand, Sumatra and Borneo (Frost, 2008).

159. *Hylarana nigrovittata* (Blyth, 1856)

1856. *Lymnodytes nigrovittatus* Blyth, "1855", *J. Asiat. Soc. Bengal*, **24** : 718.
 1871. *Gymnodytes nigrovittata* - Anderson, *Proc. Zool. Soc. London*, 1871 : 205.
 1871. *Hylarana nigrovittata* - Anderson, *Proc. Zool. Soc. London*, 1871 : 205.
 1892. *Rana nigrovittata* - Sclater, *Proc. Zool. Soc. London*, 1892 : 345.
 1920. *Rana (Hylarana) nigrovittata* - Boulenger, *Rec. Indian Mus.*, **20** : 124.
 1938. *Hylarana nigrovittata* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 144.
 1939. *Hylarana nigrovittata* - Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1939 : 46.
 1942. *Rana (Hylarana) nigrovittata* - Bourret, *Batr. Indochine* : 318.
 1991. *Hylarana (Hylarana) nigrovittata* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.* : 140.
 1992. *Rana (Sylvirana) nigrovittata* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 326.
 2005. *Hylarana nigrovittata* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 237.
 2006. *Sylvirana nigrovittata* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 370.

2008. *Hylarana (Sylvirana) nigrovittata* - Fei, Ye, Jiang, and Xie, *Acta Zootaxon. Sinica*, **33** : 206.

English names : **Black-spotted Frog**; Black-striped Frog; Koh Chang Island Frog; Sapgreen Stream Frog; Dark-sided Frog.

Type locality : “Mergue and the valley of the Tenasserim River”, Myanmar.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 2685 and 2773-74), West Bengal, India.

Distribution in India : Assam (Dutta, 1997), Assam (Frost, 2008).

Outside India : Nepal, China, Vietnam and Malaysia (Frost, 2008).

160. *Hylarana taipehensis* (Van Denburgh, 1909)

1909. *Rana taipehensis* Van Denburgh, *Proc. California Acad. Sci., Ser. 4*, **3** : 56.

1937. *Hylarana taipehensis* - Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1937 : 33.

1981. *Rana (Rana) bilineata* Pillai and Chanda, *Rec. Zool. Surv. India*, **79** : 159.

1987. *Rana (Hylarana) albolineata* Dubois, “1985”, *Alytes*, **4** : 153.

1987. *Rana (Hylarana) taipehensis* - Dubois, “1986”, *Alytes*, **5** : 42.

1991. *Hylarana (Tenuirana) taipehensis* - Fei, Ye, and Huang, “1990”, *Key to Chinese Amph.*, : 139.

2003. *Rana (Hylarana) taipehensis* - Ohler and Mallick, “2002”, *Hamadryad*, **27** : 66.

2005. *Hylarana (Tenuirana) taipehensis* - Fei, Ye, Jiang, and Xie, *Illust. Key Chinese Amph.*, : 122.

2005. *Hylarana taipehensis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 237.

English names : **Taipeh Frog**; Taipei Frog; Two-striped Grass Frog; Striped Slender Frog; Taipei Slender Frog; White-banded Frog.

Type locality : “Taipeh, Formosa” (Taipei), Taiwan, China.

Type specimen : At California Academy of Sciences (CAS 18007), Golden Gate Park, San Francisco, California, USA.

Distribution in India : Orissa, West Bengal, Assam and Meghalaya (Dutta, 1997).

Outside India : China, Taiwan, Vietnam, Cambodia, Thailand and Bangladesh (Frost, 2008).

161. *Hylarana temporalis* (Gunther, 1864)

1854. *Rana flavescens* Jerdon, “1853”, *J. Asiat. Soc. Bengal*, **22** : 531.

1864. *Hylorana temporalis* Gunther, *Rept. Brit. India* : 427.

1870. *Hylorana flavescens* - Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 83.
 1882. *Rana temporalis* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 63.
 1920. *Rana (Hylorana) temporalis* - Boulenger, *Rec. Indian Mus.*, 20 : 127-130.
 1922. *Rana (Hylorana) gracilis montanus* Rao, *J. nat. Hist. Soc. Bombay*, 28 : 439.
 1937. *Rana (Hylorana) intermedius* Rao, *Proc. Indian Acad. Sci., Ser. B*, 6 : 394.
 1987. *Rana (Hylarana) temporalis* - Dubois, "1986", *Alytes*, 5 : 42.
 1992. *Rana (Sylvirana) temporalis* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 326.
 2005. *Hylarana temporalis* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, 15 : 237.
 2006. *Sylvirana temporalis* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, 297 : 370.

English names : **Bronze Frog**; Bronzed Frog; Kerala Frog; Rao's Brown-coloured Frog.

Type locality : "Found frequenting mountain streams in the forests only"- by implication, South India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 2776-78), West Bengal, India.

Distribution in India : Kerala, Maharashtra, Tamil Nadu and Karnataka (Dutta, 1997 and Biju, 2001).

Outside India : Sri Lanka (Frost, 2008).

Note : Endemic to Western Ghats and Sri Lanka.

162. *Hylarana tytleri* Theobald, 1868

1868. *Hylorana tytleri* Theobald, *J. Asiat. Soc. Bengal*, 37 : 84.
 1882. *Rana tytleri* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 65.
 1882. *Limnodytes tytleri* - Mason, *Burma*, Ed. 3 : 290.
 1882. *Rana (Hylorana) tytleri* - Boulenger In Mason, *Burma*, Ed. 3 : 499.
 1927. *Rana (Limnodytes) tytleri* - Bourret, *Fauna Indochine, Vert.*, 3 : 264.
 2003. *Rana (Hylarana) tytleri* Ohler and Mallick, "2002", *Hamadryad*, 27 : 63.
 2005. *Hylarana tytleri* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, 15 : 237.

English names : **Yellow-striped Frog**; Leaf Frog; Leaping Frog.

Type locality : "Dacca", Bangladesh.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10035), West Bengal, India.

Distribution in India : Nagaland (Ohler and Mallick, 2002), West Bengal, Assam, Meghalaya, Mizoram, Orissa and Uttar Pradesh (Frost, 2008).

Outside India : Bangladesh and Nepal (Frost, 2008).

Genus ***Odorrana*** Fei, Ye and Huang

163. ***Odorrana andersonii*** (Boulenger, 1882)

1879. *Polypedates yunnanensis* Anderson, "1878", *Anat. Zool. Res.* : 843.
1882. *Rana andersonii* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 55.
1882. *Polypedates yunnanensis* - Mason, *Burma*, Ed. 3 : 294.
1920. *Rana (Hylarana) andersonii* - Boulenger, *Rec. Indian Mus.*, 20 : 126.
1937. *Hylarana andersonii* - Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1937 : 39.
1938. *Hylarana andersoni* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 144.
1939. *Rana (Hylarana) andersonii* - Bourret, *Annexe Bull. Gen. Instr. Publique, Hanoi*, 1939 : 15.
1990. *Odorrana andersonii* - Fei, Ye, and Huang, *Key to Chinese Amph.* : 149.
1992. *Rana (Odorrana) andersonii* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, 61 : 329.
2005. *Odorrana (Odorrana) andersonii* - Fei, Ye, Jiang, and Xie, *Illust. Key Chinese Amph.*, : 128.
2006. *Huia andersonii* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, 297 : 368.

English names : **Anderson's Frog**; Golden Crossband Frog; Yunnan Odorous Frog.

Type locality : "in the valley of Hotha (Husa)", Yunnan, China.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Northeastern India (Frost, 2008).

Outside India : Myanmar, China and Vietnam (Frost, 2008).

164. ***Odorrana chloronota*** (Gunther, 1876)

1876. *Polypedates chloronotus* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 569.
1882. *Rana chloronota* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 29.

1938. *Hylorana chloronota* - Deckert, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1938 : 144.
2003. *Rana (Odorrana) chloronota* - Bain, Lathrop, Murphy, Orlov, and Ho, *Am. Mus. Novit.*, **3417** : 17.
2005. *Odorrana chloronota* - Chen, Murphy, Lathrop, Ngo, Orlov, Ho, and Somorjai, *Herpetol. J.*, **15** : 239.
2006. *Huia chloronota* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 368.

English name : Chloronate Huia frog.

Type locality : “Darjeeling”, India.

Type specimen : At British Museum, (BM 1947.2.28.6; 1947.2.28.10 and 1947.2.28.12), London United Kingdom.

Distribution in India : Darjeeling, Sikkim and Assam.

Outside India : China and Vietnam (Frost, 2008).

165. *Odorrana mawphlangensis* (Pillai and Chanda, 1977)

1977. *Rana mawphlangensis* Pillai and Chanda, *J. Bombay nat. Hist. Soc.*, **74** : 138.
1987. *Limnonectes (Bourretia) mawphlangensis* - Dubois, “1986”, *Alytes*, **5** : 62.
1999. *Limnonectes (Elachyglossa) mawphlangensis* - Ohler and Dubois, *Zool. Scripta*, **23** : 276.
2008. *Odorrana mawphlangensis* – Mahony, *Hamadryad*, **33** : 1-12.

English names : Mawphlang Frog; Mawphlang Wart Frog; Hill Stream Frog.

Type locality : “Mawphlang”, Khasi Hills, Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A6979), West Bengal, India.

Distribution in India : Meghalaya, West Bengal and Manipur (Dutta, 1997).

Outside India : Not known.

Note : Endemic to northeast India; Refer Mahony (2008) for generic reallocation of *Rana mawphlangensis* Pillai and Chanda, 1977.

Genus *Pterorana* Kiyasetuo and Khare166. *Pterorana khare* Kiyasetuo and Khare, 1986

1986. *Pterorana khare* Kiyasetuo and Khare, *Asian J. Exp. Sci.*, **1** : 12.

1992. *Rana (Pterorana) khare* - Dubois, *Bull. Mens. Soc. Linn. Lyon*, **61** : 329.

2001. *Pterorana khare* - Chanda, Das, and Dubois, "2000", *Hamadryad*, **25** : 108.

English names : **Khare's Frog**; Indian Flying Frog; Gliding Frog.

Type locality : "Sanuoru River", Kohima, Nagaland, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A.9095), West Bengal, India.

Distribution in India : Nagaland and Manipur (Dutta, 1997); Mizoram (Sen and Mathew, 2003).

Outside India : Not known.

Note : Endemic to northeast India.

Family : RANIXALIDAE Dubois

Genus *Indirana* Laurent167. *Indirana beddomii* (Gunther, 1875)

1876. *Polypedates beddomii* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 571.

1882. *Rana beddomii* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 55.

1918. *Rana (Discodeles) beddomi* - Boulenger, *Ann. Mag. Nat. Hist., Ser. 9*, **1** : 238.

1986. *Indirana beddomii* - Laurent, *In Grassé and Delsol (eds.), Traité de Zool.*, **14** : 761.

1987. *Ranixalus beddomii* - Dubois, "1986", *Alytes*, **5** : 69.

1987. *Indirana beddomii* - Dubois, "1986", *Alytes*, **5** : 175-176.

1989. *Rana (Discodeles) beddomii* - Daniel and Sekar, *J. Bombay Nat. Hist. Soc.*, **86** : 194.

English names : **Beddome's Indian Frog**; Beddome's Frog.

Type locality : "Malabar", "Travancore", "Anamallays" (Anamallai), and "Sevagherry" (Sivagiri), Kerala, India.

Type specimen : At British Museum (BM 1947.2.27.73; 1947.2.27.82 and 1947.2.27.84), London United Kingdom.

Distribution in India : Maharashtra, Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

168. *Indirana brachytarsus* (Gunther, 1875)

1876. *Polypedates brachytarsus* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 572.
1984. *Rana brachytarsus* - Inger, Shaffer, Koshy, and Bakde, *J. Bombay Nat. Hist. Soc.*, **81** : 423.
1987. *Ranixalus brachytarsus* - Dubois, "1986", *Alytes*, **5** : 69.
1987. *Indirana brachytarsus* - Dubois, "1986", *Alytes*, **5** : 175-176.

English names : **Anamallais Indian Frog**; Leaf-hopper Frog; Short-legged Frog.

Type locality : "Anamallays" (Anamallais) and "Sevagherry" (Sivagiris), Kerala, India.

Type specimen : At British Museum (BM 1947.2.27.1303-1307 and BM 1947.2.22.1307), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

169. *Indirana diplosticta* (Gunther, 1876)

1876. *Ixalus diplostictus* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 574.
1882. *Rana diplosticta* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 55.
1920. *Rana (Discodeles) diplosticta* - Boulenger, *Rec. Indian Mus.*, **20** : 101-102.
1986. *Indirana diplosticta* - Laurent, *In Grassé and Delsol (eds.)*, *Traite de Zool.*, **14** : 761.
1987. *Ranixalus diplostictus* - Dubois, "1986", *Alytes*, **5** : 69.
1987. *Indirana diplosticta* - Dubois, "1986", *Alytes*, **5** : 175-176.

English names : **Malabar Indian Frog**; Rufous Leaf-hopper Frog; Gunther's Frog.

Type locality : "Malabar", Kerala, India.

Type specimen : At British Museum (BM 1947.2.3.21-23), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

170. *Indirana gundia* (Dubois, 1986)

1986. *Ranixalus gundia* Dubois, "1985", *Alytes*, **4** : 114.
1987. *Indirana gundia* - Dubois, "1986", *Alytes*, **5** : 175.

English names : **Gundia Indian Frog**; Gundia Frog.

Type locality : “Gundia”, Kempholey, Sakleshpur, Hassan, Karnataka, India.

Type specimen : At Museum National d'Histoire Naturelle (MNHN 1985. 633), Rue Cuvier, Paris, France.

Distribution in India : Karnataka (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

171. *Indirana leithii* (Boulenger, 1888)

1888. *Rana leithii* Boulenger, *Ann. Mag. Nat. Hist., Ser. 6, 2* : 506.

1918. *Rana (Discodeles) leithii* -Boulenger, *Ann. Mag. Nat. Hist., Ser. 9, 1* : 238.

1986. *Indirana leithii* -Laurent, *In Grasse and Delsol (eds.), Traite de Zool., 14* : 761.

1987. *Ranixalus leithii* -Dubois, “1986”, *Alytes, 5* : 69.

1987. *Indirana leithii* -Dubois, “1986”, *Alytes, 5* : 175-176.

1989. *Rana (Discodeles) leithii* -Daniel and Sekar, *J. Bombay nat. Hist. Soc., 86* : 194.

English names : **Matheran Indian Frog**; Leith's Frog; Boulenger's Brown Frog.

Type locality : “Matheran” Bombay, Maharashtra, India.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Gujarat, Maharashtra, Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

172. *Indirana leptodactyla* (Boulenger, 1882)

1876. *Polypedates brevipalmatus* Gunther, “1875”, *Proc. Zool. Soc. London, 1875* : 572.

1882. *Rana leptodactyla* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 57.

1920. *Rana (Discodeles) leptodactyla* -Boulenger, *Rec. Indian Mus., 20* : 98.

1986. *Indirana leptodactyla* -Laurent, *In Grasse and Delsol (eds.), Traite de Zool., 14* : 761.

1987. *Ranixalus leptodactylus* -Dubois, “1986”, *Alytes, 5* : 69.

1987. *Indirana leptodactyla* -Dubois, “1986”, *Alytes, 5* : 175-176.

1989. *Rana (Discodeles) leptodactyla* -Daniel and Sekar, *J. Bombay nat. Hist. Soc., 86* : 194.

English names : **Boulenger's Indian Frog**; Long-toed Frog; Thin-limbed Frog.

Type locality : "Malabar" and "Anamallays" (Anamallais), Kerala, India.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Karnataka, Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

173. *Indirana longicrus* (Rao, 1937)

1937. *Philautus longicrus* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 414.

1985. *Philautus crnri* Dutta, *J. Bombay nat. Hist. Soc.*, **82** : 219.

1993. *Philautus cruri* -Duellman, *Univ. Kansas Mus. Nat. Hist. Spec. Publ.*, **21** : 290.

2001. *Indirana longicrus* -Bossuyt and Dubois, *Zeylanica*, **6** : 50.

English names : **Kempholey Indian Frog**; Kempholey Bubble-nest Frog; Rao's Bush Frog.

Type locality : "Kempholey", Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Kempholey, Karnataka (Type locality) (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

174. *Indirana phrynoderma* (Boulenger, 1882)

1882. *Rana phrynoderma* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed.* **2** : 462.

1920. *Rana (Discodeles) phrynoderma* -Boulenger, *Rec. Indian Mus.*, **20** : 121.

1986. *Indirana phrynoderma* -Laurent, *In Grassé and Delsol (eds.), Traite de Zool.*, **14** : 761.

1987. *Ranixalus phrynoderma* -Dubois, "1986", *Alytes*, **5** : 69.

1987. *Indirana phrynoderma* -Dubois, "1986", *Alytes*, **5** : 175-176.

1989. *Rana (Discodeles) phrynoderma* -Daniel and Sekar, *J. Bombay Nat. Hist. Soc.*, **86** : 194.

English names : **Kerala Indian Frog**; Toad-skinned Frog.

Type locality : “Anamallays”, Kerala, India.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

175. ***Indirana semipalmata*** (Boulenger, 1882)

1882. *Rana semipalmata* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus., Ed. 2* : 56.

1918. *Rana (Discodeles) semipalmata* -Boulenger, *Ann. Mag. Nat. Hist., Ser. 9, 1* : 238.

1927. *Rana semifulmata* -Noble, *Ann. New York Acad. Sci.*, **30** : 107.

1986. *Indirana semipalmata* - aurent, *In Grassé and Delsol (eds.), Traite de Zool.*, **14** : 761.

1987. *Ranixalus semipalmatus* -Dubois, “1986”, *Alytes*, **5** : 69.

1987. *Indirana semipalmata* -Dubois, “1986”, *Alytes*, **5** : 175-176.

1989. *Rana (Discodeles) semipalmata* -Daniel and Sekar, *J. Bombay nat. Hist. Soc.*, **86** : 194.

English names : **South Indian Frog**; Small-handed Frog.

Type locality : “Malabar”, Kerala, India.

Type specimen : At British Museum (BM 1947.2.29.51), London United Kingdom.

Distribution in India : Kerala (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

176. ***Indirana tenuilingua*** (Rao, 1937)

1937. *Rana (Discodeles) tenuilingua* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 397.

1986. *Indirana tenuilingua* -Laurent, *In Grasse and Delsol (eds.), Traite de Zool.*, **14** : 761.

1987. *Ranixalus tenuilingua* -Dubois, “1986”, *Alytes*, **5** : 69.

1987. *Indirana tenuilingua* -Dubois, “1986”, *Alytes*, **5** : 175-176.

English names : **Rao’s Indian Frog**; Slender-tongued Frog.

Type locality : “Kemphole Ghats”, Hassan, Karnataka, India.

Type specimen : At Central College Bangalore (now found to be lost), Karnataka, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

Family : RHACOPHORIDAE Hoffman

Sub-family : RHACOPHORINAE Hoffman

Genus ***Chiromantis*** Peters

177. ***Chiromantis cherrapunjiae*** (Roonwal and Kripalani, 1966)

1966. *Philautus cherrapunjiae* Roonwal and Kripalani, "1961", *Rec. Indian Mus.*, **59** : 326.

2001. *Chirixalus cherrapunjiae* -Bossuyt and Dubois, *Zeylanica*, **6** : 53.

2006. *Chiromantis cherrapunjiae* -Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.

English names : **Cherrapunji Bush Frog**; Cherrapunji Bubble-nest Frog.

Type locality : "Cherrapunji", (Khasi-Jaintia Hills District), Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 20806), West Bengal, India.

Distribution in India : Assam, Meghalaya and Arunachal Pradesh (Dutta, 1997).

Outside India : Not known.

Note : Endemic to northeast India.

178. ***Chiromantis doriae*** Boulenger, 1893

1893. *Chirixalus doriae* Boulenger, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2*, **13** : 341.

1927. *Philautus doriae* -Cochran, *Proc. Biol. Soc. Washington*, **40** : 179

1931. *Rhacophorus (Chirixalus) doriae* -Ahl, *Das Tierreich*, **55** : 56, 105.

1942. *Chirixalus doriae* -Bourret, *Batr. Indochine* : 476.

2006. *Chiromantis doriae* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.

English names : **Doria's Bush Frog**; Doria's Asian Treefrog; Doria's Tree Frog; Stripe Pigmy Tree Frog.

Type locality : “District of the Karin Bia-po” and “Thao”, Myanmar.

Type specimen : At Naturhistorisches Museum, Zoologische Abtheilung (NHMW 16556), Postfach, Burgring, Wien, Austria.

Distribution in India : Arunachal Pradesh (Dutta, 1997).

Outside India : Myanmar, Thailand, Cambodia, Vietnam and China (Frost, 2008).

179. ***Chiromantis dudhwaensis*** Ray, 1992

1992. *Chirixalus dudhwaensis* Ray, *Indian J. Forestry*, **15** : 260.

2006. *Chiromantis dudhwaensis* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.

English name : **Dudhwa Tree Frog.**

Type locality : “Dudhwa Forest Rest House”, Dudhwa National Park, Lakhimpur Kheri (District), Uttar Pradesh, India.

Type specimen : At Zoological Survey of India, Northern Regional Station (ZSI-NRS A-16), Dehra Dunn, Uttar Pradesh, India.

Distribution in India : Known from Type locality (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Dudhwa National Park.

180. ***Chiromantis shyamrupus*** (Chanda and Ghosh, 1989)

1989. *Philautus shyamrupus* Chanda and Ghosh, *J. Bombay Nat. Hist. Soc.*, **86** : 215.

2001. *Chirixalus shyamrupus* - Bossuyt and Dubois, *Zeylanica*, **6** : 58.

2006. *Chiromantis shyamrupus* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sá, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.

English names : **Shyamrup's Bush Frog**; Hornbill Bubble-nest Frog.

Type locality : “Hornbill”, Namdapha Tiger Reserve and proposed Biosphere Reserve, Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A 7944), West Bengal, India.

Distribution in India : Known from Type locality (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Namdapha Tiger Reserve.

181. *Chiromantis simus* (Annandale, 1915)

1915. *Chirixalus simus* Annandale, *Rec. Indian Mus.*, **11** : 345.
 1927. *Philautus simus* - Cochran, *Proc. Biol. Soc. Washington*, **40** : 179
 1931. *Rhacophorus (Chirixalus) simus* - Ahl, *Das Tierreich*, **55** : 106.
 1985. *Chirixalus simus* - Inger in Frost, *Amph. Species World* : 538.
 2006. *Chiromantis simus* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.

English names : **Annandale's Tree Frog**; Assam Asian Treefrog.

Type locality : "Mangaldai", Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 17971), West Bengal, India.

Distribution in India : Assam and West Bengal (Dutta, 1997 and Chanda, 2002).

Outside India : Not known.

Note : Endemic to northeast India.

182. *Chiromantis vittatus* (Boulenger, 1887)

1887. *Ixalus vittatus* Boulenger, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 2*, **5** : 421.
 1924. *Philautus vittatus* - Smith, *Rec. Indian Mus.*, **26** : 140.
 1931. *Rhacophorus (Philautus) vittatus* - Ahl, *Das Tierreich*, **55** : 55, 90.
 1970. *Chirixalus vittatus* - Liem, *Feldiana, Zool.*, **57** : 95.
 2006. *Chiromantis vittatus* - Frost, Grant, Faivovich, Bain, Haas, Haddad, de Sa, Channing, Wilkinson, Donnellan, Raxworthy, Campbell, Blotto, Moler, Drewes, Nussbaum, Lynch, Green, and Wheeler, *Bull. Am. Mus. Nat. Hist.*, **297** : 367.

English name : **Bhamo Tree frog**.

Type locality : "Bhamo", Myanmar.

Type specimen : At Museo Civico di Storia Naturale di Genova Giacomo Doria (MSNG 29397 - lectotype), Via Brigata Liguria, Genova, Italy.

Distribution in India : Nagaland and Assam (Dutta, 1997 and Ao, *et al*, 2003).

Outside India : Myanmar, Thailand, Cambodia, Vietnam and China (Frost, 2008).

Genus ***Ghatixalus*** Biju, Roelants and Bossuyt183. ***Ghatixalus asterops*** Biju, Roelants and Bossuyt, 2008

2008. *Ghatixalus asterops* Biju, Roelants and Bossuyt, *Organisms, Diversity and Evolution*, **8** : 267-276.

English name : **Ghat Tree Frog**.

Type locality : “Bear Shola”, Kodaikanal, Dindigal district, Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4247), Bombay, India.

Distribution in India : Type locality and Mattupetti, Idukki district, Kerala, India.

Outside India : Not known.

Note : Endemic to Western Ghats.

184. ***Ghatixalus variabilis*** (Jerdon, 1853)

1854. *Polypedates variabilis* Jerdon, “1853”, *J. Asiat. Soc. Bengal*, **22** : 532.

1864. *Polypedates pleurostictus* Gunther, *Rept. Brit. India* : 430.

1882. *Rhacophorus pleurostictus* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 79.

1927. *Rhacophorus parkeri* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 38.

1931. *Rhacophorus (Rhacophorus) pleurostictus* - Ahl, *Das Tierreich*, **55** : 123.

1931. *Rhacophorus (Philautus) parkeri* - Ahl, *Das Tierreich*, **55** : 81.

1936. *Rhacophorus (Rhacophorus) buergeri pleurostictus* - Wolf, *Bull. Raffles Mus.*, **12** : 173.

1985. *Philautus parkeri* - Inger In *Frost, Amph. Species World* : 531.

1987. *Philautus (Kirtixalus) pleurostictus* - Dubois, “1986”, *Alytes*, **5** : 73.

2001. *Rhacophorus (Rhacophorus) variabilis* - Bossuyt and Dubois, *Zeylanica*, **6** : 14.

2008. *Ghatixalus variabilis* - Biju, Roelants and Bossuyt, *Organisms, Diversity and Evolution*, **8** : 267-276.

English names : **Green Tree Frog**; Parker’s Bubble-nest Frog; Parker’s Bush Frog; Indian Bubble-nest Frog; Zamorin Tree Frog; Green Frog of the Neelgherries.

Type locality : “Neelgherries”, South India.

Type specimen : At Institut Royales Sciences Naturelles de Belgique (IRSNB 1918 - neotype), Brussels, Belgium.

Distribution in India : Nilgiris, Tamil Nadu (Biju, 2001) and Kerala (Frost, 2008).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus ***Kurixalus*** Ye, Fei and Dubois *In* Fei185. ***Kurixalus naso*** (Annandale, 1912)

1912. *Rhacophorus naso* Annandale, *Rec. Indian Mus.*, **8** : 12.
 1931. *Rhacophorus (Rhacophorus) naso* - Ahl, *Das Tierreich*, **55** : 139.
 1991. *Polypedates naso* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.* : 184.
 2005. *Aquixalus (Aquixalus) naso* - Delorme, Dubois, Grosjean, and Ohler, *Bull. Mens. Soc. Linn. Lyon*, **74** : 166.
 2008. *Kurixalus naso* - Li, Che, Bain, Zhao, and Zhang, *Mol. Phylogenet. Evol.*, **48** : 310.
 By implication.

English names : **Long-snouted Treefrog**; Uphill Tree Frog; Annandale's High Altitude Frog.

Type locality : "Egar stream between Renging and Rotung", Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 16929), West Bengal, India.

Distribution in India : From Type locality.

Outside India : China and Myanmar (Frost, 2008).

Genus ***Philautus*** Giestel186. ***Philautus akroparallagi*** Biju and Bossuyt, 2009

2009. *Philautus akroparallagi* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : **Variable bush frog**.

Type locality : "Ponmudi", Thiruvananthapuram (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4387), Bombay, India.

Distribution in India : Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

187. ***Philautus amboli*** Biju and Bossuyt, 2009

2009. *Philautus akroparallagi* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : Amboli bush frog.

Type locality : “Amboli”, Sawantwadi (District), Maharashtra, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4398), Bombay, India.

Distribution in India : Western Ghats parts of Maharashtra and Karnataka (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

188. *Philautus andersoni* (Ahl, 1927)

1879. *Ixalus tuberculatus* Anderson, “1878”, *Anat. Zool. Res.* : 845.

1927. *Rhacophorus andersoni* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 36.

1931. *Rhacophorus (Philautus) andersoni* - Ahl, *Das Tierreich*, **55** : 53, 67.

1942. *Philautus tuberculatus* - Bourret, *Batr. Indochine* : 92.

1942. *Philautus andersonii* - Bourret, *Batr. Indochine* : 452.

1942. *Rhacophorus (Philautus) andersoni* - Bourret, *Batr. Indochine* : 452.

2001. *Philautus (Philautus) tuberculatus* - Bossuyt and Dubois, *Zeylanica*, **6** : 28.

English names : **Anderson’s Bush Frog**; Anderson’s Bubble-nest Frog.

Type locality : “banks of the Nampoung in the centre of the Kakhyen Hills”, Myanmar.

Type specimen : Not available.

Distribution in India : Arunachal Pradesh and Meghalaya.

Outside India : Myanmar, Tibet and China (Frost, 2008).

189. *Philautus anili* Biju and Bossuyt, 2006

2006. *Philautus anili* Biju and Bossuyt, *Amphibia-Reptilia*, **27** : 2.

English name : Anil’s bush frog.

Type locality : “Kalpatta”, Wayanad (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4276), Bombay, India.

Distribution in India : Found in Western Ghats parts of Kerala (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

190. ***Philautus annandalii*** (Boulenger, 1906)

1906. *Ixalus annandalii* Boulenger, *J. Asiat. Soc. Bengal, Ser. 2*, **2** : 385.

1908. *Ixalus annandalei* - Annandale, *Rec. Indian Mus.*, **2** : 305.

1931. *Rhacophorus (Philautus) annandalii* - Ahl, *Das Tierreich*, **55** : 53, 71.

1942. *Philautus annandalii* - Bourret, *Batr. Indochine* : 451.

2001. *Philautus (Philautus) annandalii* - Bossuyt and Dubois, *Zeylanica*, **6** : 38.

English names : **Annandales Bush Frog**; Coppersmith Frog; Himalaya Bubble-nest Frog; Himalayan Foam Nesting Frog.

Type locality : “Eastern Himalayas, at Kurseong”, India.

Type specimen : At British Museum (BM 1947.2.26.57-58), London United Kingdom.

Distribution in India : West Bengal, Assam, Arunachal Pradesh Nagaland, and Sikkim (Dutta, 1997 and Chanda, 2002).

Outside India : Bhutan and Nepal (Frost, 2008).

191. ***Philautus beddomii*** (Gunther, 1876)

1876. *Ixalus beddomii* Gunther, “1875”, *Proc. Zool. Soc. London*, 1875 : 575.

1931. *Rhacophorus (Philautus) beddomii* - Ahl, *Das Tierreich*, **55** : 79.

1974. *Philautus beddomii* - Gorham, *Checklist World Amph.*, : 166.

2001. *Philautus (Philautus) beddomii* - Bossuyt and Dubois, *Zeylanica*, **6** : 27.

English names : **Beddomes Bush Frog**; Beddomes Bubble-nest Frog.

Type locality : “Malabar” and “Atray Mallay” Travancore, Kerala, India.

Type specimen : At British Museum (BM 1947.2.26.59-66; 1947.2.26.70-78, and 1947.2.26.80-84), London United Kingdom and lectotype (NMW 22884) at Naturhistorisches Museum (Biju and Bossuyt, 2009).

Distribution in India : Found in Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

192. *Philautus bobingeri* Biju and Bossuyt, 2005

2005. *Philautus bobingeri* Biju and Bossuyt, *Copeia*, 2005 : 30.

English name : Bobingers Bush Frog.

Type locality : “Ponmudi Hills”, Thiruvananthapuram, Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4272), Bombay, India.

Distribution in India : Found in Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

193. *Philautus bombayensis* (Annandale, 1919)

1919. *Ixalus bombayensis* Annandale, *Rec. Indian Mus.*, **16** : 124.

1931. *Rhacophorus (Philautus) bombayensis* - Ahl, *Das Tierreich*, **55** : 79.

1974. *Philautus bombayensis* - Gorham, *Checklist World Amph.* : 166.

2001. *Philautus (Philautus) bombayensis* - Bossuyt and Dubois, *Zeylanica*, **6** : 41.

English names : **Maharashtra Bush Frog**; Bombay Bubble-nest Frog; Castle Rock Bush Frog.

Type locality : “Castle Rock”, North Canara (District), Karnataka, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 18782), West Bengal, India.

Distribution in India : Found in Western Ghats parts of Karnataka and Maharashtra (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

194. *Philautus chalazodes* (Gunther, 1876)

1876. *Ixalus chalazodes* Gunther, “1875”, *Proc. Zool. Soc. London*, 1875 : 574.

1931. *Rhacophorus (Philautus) chalazodes* - Ahl, *Das Tierreich*, **55** : 87.

1974. *Philautus chalazodes* - Gorham, *Checklist World Amph.* : 166.

2001. *Philautus (Philautus) chalazodes* - Bossuyt and Dubois, *Zeylanica*, **6** : 26.

English names : **Gunther's Bush Frog**; Chalazodes Bubble-nest Frog; White-spotted Bush Frog.

Type locality : "Travancore", South India.

Type specimen : At British Museum (BM 1947.2.6.35), London United Kingdom.

Distribution in India : Known only by original description (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

195. ***Philautus charius*** Rao, 1937

1937. *Philautus charius* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 405.

2001. *Philautus (Philautus) charius* - Bossuyt and Dubois, *Zeylanica*, **6** : 48.

English names : **Seshachar's Bush Frog**; Karnataka Bubble-nest Frog; Chari's Bush Frog.

Type locality : "Kottigehar", Chikmagalur (District), Karnataka, India.

Type specimen : At Museum National d'Histoire Naturelle (Neotype, MNHN 1999.5597), Rue Cuvier, Paris, France.

Distribution in India : Found in Western Ghats parts of Karnataka (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

196. ***Philautus chlorosomma*** Biju and Bossuyt, 2009

2009. *Philautus chlorosomma* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : **Green eyed bush frog**.

Type locality : "Munnar", Idukki (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4425), Bombay, India.

Distribution in India : Known only from Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

197. ***Philautus chotta*** Biju and Bossuyt, 2009

2009. *Philautus chotta* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : Small bush frog.

Type locality : "Ponmudi", Thiruvananthapuram (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4427), Bombay, India.

Distribution in India : Known only from Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

198. ***Philautus chromasynchysi*** Biju and Bossuyt, 2009

2009. *Philautus chromasynchysi* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : Confusing green bush frog.

Type locality : "Kurichiyarmala", Wayanad (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4433), Bombay, India.

Distribution in India : Known only from Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

199. ***Philautus coonoorensis*** Biju and Bossuyt, 2009

2009. *Philautus coonoorensis* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : Coonoor bush frog.

Type locality : "Coonoor", Sims Park, Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4444), Bombay, India.

Distribution in India : Known only from Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

200. *Philautus dubius* (Boulenger, 1882)

1876. *Ixalus jerdonii* Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 575.
1882. *Rhacophorus dubius* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 81.
1931. *Rhacophorus (Philautus) dubius* - Ahl, *Das Tierreich*, 55 : 55, 93.
1987. *Philautus (Kirtixalus) dubius* - Dubois, "1986", *Alytes*, 5 : 73.
1992. *Philautus jerdonii* - Sarkar, Biswas, and Ray, *State Fauna Ser.*, 3 : 90.
1998. *Rhacophorus dubius* - Das and Dutta, *Hamadryad*, 23 : 66.
2001. *Philautus (Philautus) dubius* - Bossuyt and Dubois, *Zeylanica*, 6 : 26.

English names : **Boulenger's Tree Frog**; Darjeeling Bubble-nest Frog; Gunther's Micro Tree Frog.

Type locality : "Darjeeling", West Bengal, or "Khasis", Meghalaya, India.

Type specimen : At British Museum (BM 1947.2.7.86), London United Kingdom.

Distribution in India : West Bengal and Meghalaya (Chanda, 2002).

Outside India : Not known.

Note : Endemic to northeast India.

201. *Philautus dubois* Biju and Bossuyt, 2006

2006. *Philautus dubois* Biju and Bossuyt, *Amphibia-Reptilia*, 27 : 5.

English name : **Kodaikanal Bush Frog**.

Type locality : "Kodaikanal", Dindigal Anna district, Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4281), Bombay, India.

Distribution in India : Found in Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

202. *Philautus flaviventris* (Boulenger, 1882)

1882. *Ixalus flaviventris* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 105.
1931. *Rhacophorus (Philautus) flaviventris* - Ahl, *Das Tierreich*, 55 : 78.
1937. *Philautus montanus* Rao, *Proc. Indian Acad. Sci., Ser. B*, 6 : 415.

1974. *Philautus flaviventris* - Gorham, *Checklist World Amph.* : 166.

1985. *Philautus hassanensis* Dutta, *J. Bombay Nat. Hist. Soc.*, **82** : 220.

2001. *Philautus (Philautus) flaviventris* - Bossuyt and Dubois, *Zeylanica*, **6** : 30.

English names : **Hassan Bush Frog**; Malabar Bubble-nest Frog; Yellow-bellied Bush Frog; Dutta's Bubble-nest Frog.

Type locality : "Malabar", India.

Type specimen : At British Museum (BM 1947.2.27.2-7; 1947.2.26.94; 1947.2.27.1; 1947.2.26.98-99), London United Kingdom.

Distribution in India : Known only from original description (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

203. *Philautus garo* (Boulenger, 1919)

1919. *Ixalus garo* Boulenger, *Rec. Indian Mus.*, **16** : 207.

1931. *Rhacophorus (Philautus) garo* - Ahl, *Das Tierreich*, **55** : 70.

1942. *Philautus garo* - Bourret, *Batr. Indochine* : 450-451.

2001. *Philautus (Philautus) garo* - Bossuyt and Dubois, *Zeylanica*, **6** : 41.

English names : **Garro Hills Bush Frog**; Garro Hills Bubble-nest Frog.

Type locality : "Garro Hills", Assam, Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 19187), West Bengal, India.

Distribution in India : Assam and Meghalaya (Dutta, 1997).

Outside India : Not known.

Note : Endemic to northeast India.

204. *Philautus glandulosus* (Jerdon, 1854)

1854. *Ixalis ? glandulosa* Jerdon, "1853", *J. Asiat. Soc. Bengal*, **22** : 532.

1870. *Ixalus glandulosa* - Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 85.

1876. *Ixalus glandulosus* - Gunther, "1875", *Proc. Zool. Soc. London*, 1875 : 573.

1882. *Ixalus pulcher* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 469.

1927. *Rhacophorus noblei* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 40.

1927. *Rhacophorus pulcherrimus* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 41.
1928. *Philautus glandulosus* - Roux, *Rev. Suisse Zool.*, **38** : 465.
1931. *Rhacophorus (Philautus) glandulosus* - Ahl, *Das Tierreich*, **55** : 71.
1931. *Rhacophorus (Philautus) noblei* - Ahl, *Das Tierreich*, **55** : 55, 100.
1931. *Rhacophorus (Philautus) pulcherrimus* - Ahl, *Das Tierreich*, **55** : 55, 101.
1937. *Philautus pulcher* - Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 423.
1974. *Philautus noblei* - Gorham, *Checklist World Amph.* : 167.
1974. *Philautus pulcherrimus* - Gorham, *Checklist World Amph.*, : 167.
2001. *Philautus (Philautus) glandulosus* - Bossuyt and Dubois, *Zeylanica*, **6** : 15.

English names : **Beautiful Bush Frog**; Noble's Bubble-nest Frog; Noble's Bush Frog; Southern Bubble-nest Frog; Rough-skinned Bush Frog; Manantoddy Bubble-nest Frog; Beautiful Bush Frog; Glandular Bush Frog.

Type locality : "Manantavadi (Manantoddy)", Wayanad, Kerala, India.

Type specimen : At British Museum (BM 1947.2.27.22 - neotype), London United Kingdom.

Distribution in India : Found in Western Ghats parts of Karnataka and Kerala (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

205. *Philautus graminirupes* Biju and Bossuyt, 2005

2005. *Philautus graminirupes* Biju and Bossuyt, *Copeia*, 2005 : **30**.

English name : **Ponmudi Bush Frog**.

Type locality : "Ponmudi Hill", Thiruvananthapuram, Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4264), Bombay, India.

Distribution in India : Known from Type locality only (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

206. *Philautus griet* Bossuyt, 2002

2002. *Philautus griet* Bossuyt, *J. Herpetol.*, **36** : 657.

English name : Griet Bush Frog.

Type locality : “Munnar”, Idukki, Kerala, India.

Type specimen : At Koninklijk Belgisch Instituut voor Natuurwetenschappen, Brussel (KBIN 1919), Brussels, Belgium.

Distribution in India : Found in Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

207. *Philautus jayarami* Biju and Bossuyt, 2009

2009. *Philautus jayarami* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : Jayaram’s bush frog.

Type locality : “Valparai”, Coimbatore (district), Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4459), Bombay, India.

Distribution in India : Known from in and around Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

208. *Philautus jerdonii* (Gunther, 1876)

1876. *Polypedates jerdonii* Gunther, “1875”, *Proc. Zool. Soc. London*, 1875 : 571.

1882. *Rhacophorus jerdonii* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 80.

1931. *Rhacophorus (Rhacophorus) jerdonii* - Ahl, *Das Tierreich*, **55** : 114.

1936. *Rhacophorus (Rhacophorus) buergeri jerdonii* - Wolf, *Bull. Raffles Mus.*, **12** : 172.

1987. *Philautus (Kirtixalus) jerdonii* - Dubois, “1986”, *Alytes*, **5** : 73.

1997. *Rhacophorus (Rhacophorus) jerdonii* - Dutta, *Amph. India Sri Lanka* : 101.

1998. *Rhacophorus jerdonii* - Das and Dutta, *Hamadryad*, **23** : 67.

2001. *Philautus (Philautus) jerdonii* - Bossuyt and Dubois, *Zeylanica*, **6** : 25.

English names : Jerdon’s Bush Frog; Jerdon’s Bubble-nest Frog; Jerdon’s Tree Frog.

Type locality : “Darjeeling”, West Bengal, India.

Type specimen : At British Museum (BM 1947.2.7.84 - lectotype), London United Kingdom.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to West Bengal.

209. *Philautus kaikatti* Biju and Bossuyt, 2009

2009. *Philautus kaikatti* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : **Kaikatti bush frog.**

Type locality : “Kaikatti-Nelliyampathi”, Palakkad (district), Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4557), Bombay, India.

Distribution in India : Known from Type locality only (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

210. *Philautus kani* Biju and Bossuyt, 2009

2009. *Philautus kani* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : **Kani bush frog.**

Type locality : “Chathankod”, Thiruvananthapuram (district), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4467), Bombay, India.

Distribution in India : Found in Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

211. *Philautus kempiae* (Boulenger, 1919)

1919. *Ixalus kempiae* Boulenger, *Rec. Indian Mus.*, **16** : 208.

1931. *Rhacophorus (Philautus) kempiae* - Ahl, *Das Tierreich*, **55** : 53, 69.

1942. *Philautus kempiae* - Bourret, *Batr. Indochine* : 450-451.

2001. *Philautus (Philautus) kempiae* - Bossuyt and Dubois, *Zeylanica*, **6** : 41.

2002. *Philautus kempii* - Chanda, *Handb. Indian Amph* : 158.

English names : **Kemp's Bush Frog**; Tura Bubble-nest Frog.

Type locality : "Garo Hills", Assam, Meghalaya, India.

Type specimen : At British Museum (BM- register number not specified), London United Kingdom.

Distribution in India : Assam and Meghalaya (Dutta, 1997).

Outside India : Not known.

Note : Endemic to northeast India.

212. *Philautus kempii* (Annandale, 1912)

1912. *Megalophrys kempii* Annandale, *Rec. Indian Mus.*, **8** : 20.

1997. *Panophrys kempii* - Rao and Yang, *Asiat. Herpetol. Res.*, **7** : 98-99.

1998. *Megophrys (Xenophrys) kempii* - Dubois and Ohler, *Dumerilia*, **4** : 14.

1999. *Megophrys kempii* - Fei, *Atlas Amph. China* : 116.

2003. *Xenophrys kempii* - Ohler, *Alytes*, **21** : 23, by implication.

2006. *Philautus kempii* - Delorme, Dubois, Grosjean, and Ohler, *Alytes*, **24** : 17.

English names : **Kemp's Horned Toad**; Kemp's Spadefoot Toad.

Type locality : "Upper Rotung", Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 17013), West Bengal, India.

Distribution in India : Assam (Frost, 2008).

Outside India : China (Frost, 2008).

213. *Philautus luteolus* Kuramoto and Joshy, 2003

2003. *Philautus luteolus* Kuramoto and Joshy, *Curr. Herpetol.*, **22** : 52.

English names : **Coorg Yellow Bush Frog**.

Type locality : "Kirundadu", Kodagu, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4191), Bombay, India.

Distribution in India : Found in Western Ghats parts Karnataka (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats. Biju and Bossuyt (2009) examined the type series of *P. neelanethrus* and the published sequence of the 16S rRNA gene and could not find any substantial difference with *P. luteolus*; therefore they considered *P. neelanethrus* as a new synonym of *P. luteolus*.

214. ***Philautus marki*** Biju and Bossuyt, 2009

2009. *Philautus marki* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : **Mark's bush frog**.

Type locality : "Kaikatti-Nelliyampathi", Palakkad (district), Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4537), Bombay, India.

Distribution in India : Known only from Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

215. ***Philautus microdiscus*** (Annandale, 1912)

1912. *Rhacophorus microdiscus* Annandale, *Rec. Indian Mus.*, **8** : 13.

1931. *Rhacophorus (Rhacophorus) microdiscus* - Ahl, *Das Tierreich*, **55** : 57, 121.

1987. *Philautus (Kirtixalus) microdiscus* - Dubois, "1986", *Alytes*, **5** : 73.

2001. *Philautus (Philautus) microdiscus* - Bossuyt and Dubois, *Zeylanica*, **6** : 40.

English name : **Kobo bush frog**; Kobo Bubble-nest Frog.

Type locality : "Kobo", Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 16924), West Bengal, India.

Distribution in India : Arunachal Pradesh (Bossuyt and Dubois, 2001).

Outside India : Not known.

Note : Endemic to Arunachal Pradesh.

216. *Philautus munnarensis* Biju and Bossuyt, 2009

2009. *Philautus munnarensis* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155** : 374-444.

English name : Munnar bush frog.

Type locality : “Munnar”, Idukki (district), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4481), Bombay, India.

Distribution in India : Known from in and around Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

217. *Philautus namadaphaensis* Sarkar and Sanyal, 1985

1985. *Philautus namdaphaensis* Sarkar and Sanyal, *Rec. zool. Surv. India*, **81** : 287.

2001. *Philautus (Philautus) namdaphaensis* - Bossuyt and Dubois, *Zeylanica*, **6** : 56.

English names : Namdapha Bush Frog; Tirap Bubble-nest Frog.

Type locality : “Farmbase camp”, Tirap (District), Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A7177), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Arunachal Pradesh.

218. *Philautus nasutus* (Gunther, 1869)

1869. *Ixalus nasutus* Gunther, “1868”, *Proc. Zool. Soc. London*, 484.

1931. *Rhacophorus (Philautus) nasutus* - Ahl, *Das Tierreich*, **55** : 54, 85.

1937. *Philautus nassutus* - Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 422.

1957. *Philautus nasutus* -Kirtisinghe, *Amph. Ceylon* : 73.

1968. *Rhacophorus nasutus* -Senanayake, “1967”, *J. Bombay nat. Hist. Soc.*, **64** : 565.

1987. *Philautus (Philautus) nasutus* -Dubois, “1986”, *Alytes*, **5** : 72.

English names : Sharp-nosed Bush Frog; Snouted Bubble-nest Frog.

Type locality : “Southern Ceylon (Sri Lanka)”

Type specimen : At British Museum, (BM 1947.2.6.21), London United Kingdom.

Distribution in India : Karnataka, Keral and Tamil Nadu (Frost, 2008).

Outside India : Sri Lanka.

Note : Endemic to Western Ghats and Sri Lanka.

219. ***Philautus neelanethrus*** Gururaja, Aravind, Ali, Ramachandra, Velavan, Krishnakumar and Aggarwal, 2007

2007. *Philautus neelanethrus* Gururaja, Aravind, Ali, Ramachandra, Velavan, Krishnakumar and Aggarwal, *Zoological Science*, **24**, 525-534.

English name : Blue-eyed Yellow Bush Frog.

Type locality : “Arodi” Sharavathi river basin, Shimoga (dist), Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4510), Bombay, India.

Distribution in India : Known from the surroundings of Type locality.

Outside India : Not known.

Note : Endemic to Western Ghats region. Biju and Bossuyt (2009) consider it to be synonym with *P. luteolus*. Further confirmation needed with considering sequences of both specimens (pers. comm. on consultation with the authors of *P. neelanethrus*)

220. ***Philautus nerostagona*** Biju and Bossuyt, 2005

2005. *Philautus nerostagona* Biju and Bossuyt, *Curr. Sci., Bangalore*, **88** : 175.

English name : Kalpatta Bush Frog.

Type locality : “Kalpatta”, Wayanad (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4244), Bombay, India.

Distribution in India : Known from in and around Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

221. *Philautus ochlandrae* Gururaja, Dinesh, Palot, Radhakrishnan and Ramachandra, 2007

2007. *Philautus ochlandrae* Gururaja, Dinesh, Palot, Radhakrishnan and Ramachandra, *Zootaxa*, **1621** : 1-16.

English names : **Ochlandrae Reed Frog**; Ochlandrae Bush Frog.

Type locality : “Kakkayam reserve forest”, Kozhikode (District), Kerala, India.

Type specimen : At Zoological Survey of India, Western Ghats Field Research Station (ZSI-WGFRS V/A 632), Calicut, Kerala, India.

Distribution in India : Known from the surroundings of Type locality.

Outside India : Not known.

Note : Endemic to Western Ghats.

222. *Philautus ponmudi* Biju and Bossuyt, 2005

2005. *Philautus ponmudi* Biju and Bossuyt, *J. Herpetol.*, **39** : 350.

English name : **Large Ponmudi Bush Frog**.

Type locality : “Ponmudi”, Thiruvananthapuram (District), Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4257), Bombay, India.

Distribution in India : Found in Western Ghats parts of Kerala and Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

223. *Philautus sahai* Sarkar and Ray, 2006

2006. *Philautus sahai* Sarkar and Ray, *Amphibia; Fauna of Arunachal Pradesh, State Fauna Series, Zool. Surv. India*, **13**(Part-1) : 285 - 316.

English name : **Sahai Bush Frog**.

Type locality : “Gandhigram”, Changlang district, Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A8500), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Arunachal Pradesh.

224. *Philautus sanctisilvaticus* Das and Chanda, 1997

1997. *Philautus sanctisilvaticus* Das and Chanda, *Hamadryad*, **22** : 21.

1997. *Philautus sanctipalustris* Das and Chanda, *Hamadryad*, **22** : 24.

2001. *Philautus (Philautus) sanctisilvaticus* -Bossuyt and Dubois, *Zeylanica*, **6** : 59.

English name : Sacred Grove Bush Frog.

Type locality : "Kapildhara Falls", Amarkantak, Jabalpur (District), Madhya Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A1778), West Bengal, India.

Distribution in India : Madhya Pradesh (Chanda, 2002).

Outside India : Not known.

Note : Endemic to Madhya Pradesh.

225. *Philautus shillongensis* Pillai and Chanda, 1973

1973. *Philautus shillongensis* Pillai and Chanda, *Proc. Indian Acad. Sci., Ser. B*, **78** : 30.

2001. *Philautus (Philautus) shillongensis* -Bossuyt and Dubois, *Zeylanica*, **6** : 54.

English names : Shillong Bush Frog; Shillong Bubble-nest Frog; Xmas Bush Frog.

Type locality : "Malki Forest", Shillong, Meghalaya, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A.6971), West Bengal, India.

Distribution in India : Known from Type locality (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Meghalaya.

226. *Philautus signatus* (Boulenger, 1882)

1882. *Ixalus signatus* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 106.

1931. *Rhacophorus (Philautus) signatus* -Ahl, *Das Tierreich*, **55** : 77.

1974. *Philautus signatus* -Gorham, *Checklist World Amph.* : 166.

2001. *Philautus (Philautus) signatus* -Bossuyt and Dubois, *Zeylanica*, **6** : 30.

English names : **Cross-backed Bush Frog**; Boulenger's Bubble-nest Frog; Quartet Bush Frog.

Type locality : "Nilgherries", Tamil Nadu, India (Bossuyt and Dubois, 2001).

Type specimen : At British Museum, (BM 1947.2.24.33-34 and 1947.2.27.35-42), London United Kingdom.

Distribution in India : Found in Western Ghats parts of Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

227. *Philautus similipalensis* Dutta, 2003

2003. *Philautus similipalensis* Dutta, *Russ. J. Herpetol.*, **10** : 26.

English name : **Similipal Bush Frog.**

Type locality : "Gurguria", Similipal Biosphere Reserve, Orissa, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A 9061), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Similipal Biosphere Reserve.

228. *Philautus sushili* Biju and Bossuyt, 2009

2009. *Philautus sushili* Biju and Bossuyt, *Zoological Journal of the Linnean Society*, **155**, 374-444.

English name : **Sushil's bush frog.**

Type locality : "Andipari Shola", Valparai, Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4544), Bombay, India.

Distribution in India : Known from in and around Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

229. *Philautus terebrans* Das and Chanda, 1998

1998. *Philautus terebrans* Das and Chanda, *J. South Asian Nat. Hist.*, **3** : 105.

2001. *Philautus (Philautus) terebrans* -Bossuyt and Dubois, *Zeylanica*, **6** : 59.

English name : Boring Bush Frog.

Type locality : “Peddavalasa”, Vishakhapatnam, Andhra Pradesh, India.

Type specimen : At National Museum of Natural History (USNM 239428), Washington, USA.

Distribution in India : Andhra Pradesh (Chanda, 2002).

Outside India : Not known.

Note : Endemic to Andhra Pradesh.

230. *Philautus tinniens* (Jerdon, 1853)

1854. *Phyllomedusa* ? *tinniens* Jerdon, “1853”, *J. Asiat. Soc. Bengal*, **22** : 533.

1870. *Ixalus tinniens* - Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 85.

1871. *Ixalus punctatus* Anderson, *J. Asiat. Soc. Bengal*, **40** : 27.

1876. *Ixalus montanus* Guthrie, “1875”, *Proc. Zool. Soc. London*, 1875 : 574.

1890. *Philautus punctatus* -Boulenger, *Fauna Brit. India, Rept. Batr.* : 104.

1937. *Philautus melanensis* Rao, *Proc. Indian Acad. Sci., Ser. B*, **6** : 411.

2001. *Philautus (Philautus) tinniens* -Bossuyt and Dubois, *Zeylanica*, **6** : 15.

English names : Spotted Bush Frog; Rao’s Bubble-nest Frog; Black Bush Frog.

Type locality : “South-East of the Ooty Lake”, Udthagamangalam, Nilgiri Hills, Tamil Nadu, India.

Type specimen : At Museum National d’Histoire Naturelle (MNHN 1985.0527), Rue Cuvier, Paris, France.

Distribution in India : Found in Western Ghats parts of Tamil Nadu (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats, refer Bossuyt and Dubois (2001).

231. *Philautus travancoricus* (Boulenger, 1891)

1891. *Ixalus travancoricus* Boulenger, *Ann. Mag. Nat. Hist., Ser. 6*, **8** : 291.

1931. *Rhacophorus (Philautus) travancoricus* -Ahl, *Das Tierreich*, **55** : 54, 79.

1974. *Philautus travancoricus* -Gorham, *Checklist World Amph.* : 167.

2001. *Philautus (Philautus) travancoricus* -Bossuyt and Dubois, *Zeylanica*, **6** : 33.

English names : **Travancore Bush Frog**; Travancore Bubble-nest Frog; Travancore Tree Frog.

Type locality : “Bodanaikanur (Bodinayakkanur)”, Tamil Nadu, India.

Type specimen : At British Museum, (BM 1947.2.6.20), London United Kingdom.

Distribution in India : Limited to in and around Type locality (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

232. *Philautus tuberochumerus* Kuramoto and Joshy, 2003

2003. *Philautus tuberochumerus* Kuramoto and Joshy, *Curr. Herpetol.*, **22** : 55.

English name : **Kudremukh Bush Frog**.

Type locality : “Kudremukh National Park”, Chickmagalur, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4193), Bombay, India.

Distribution in India : Found in Western Ghats parts of Karnataka and Kerala (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats.

233. *Philautus wynaadensis* (Jerdon, 1854)

1854. *Phyllomedusa ? wynaadensis* Jerdon, “1853”, *J. Asiat. Soc. Bengal*, **22** : 533.

1870. *Ixalus wynaadensis* -Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 85.

2001. *Philautus (Philautus) wynaadensis* -Bossuyt and Dubois, *Zeylanica*, **6** : 15.

English names : **Dark-eared Bush Frog**; Tinkling Frog; Malabar Coast Frog.

Type locality : “Ganapathivattan (Sultan’s Battery)”, Wayanad, Kerala, India.

Type specimen : At Museum National dHistoire Naturelle (MNHN 1999.5596), Rue Cuvier, Paris, France.

Distribution in India : Found in Western Ghats parts of Kerala (Biju and Bossuyt, 2009).

Outside India : Not known.

Note : Endemic to Western Ghats, refer Bossuyt and Dubois (2001) and Biju and Bossuyt (2009).

Genus *Polypedates* Tschudi

234. *Polypedates insularis* Das, 1995

1995. *Polypedates insularis* Das, *Hamadryad*, **20** : 20.

English name : **Nicobarese Tree Frog.**

Type locality : “near Galathea River”, Galathea National Park, Great Nicobar India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A8731), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Nicobar Islands.

235. *Polypedates leucomystax* (Gravenhorst, 1829)

1829. *Hyla leucomystax* Gravenhorst, *Delic. Mus. Zool. Vratislav.*, **1** : 26.

1829. *Hyla sexvirgata* Gravenhorst, *Delic. Mus. Zool. Vratislav.*, **1** : 28.

1834. *Hyla quadrilineata* Wiegmann, *Nova Acta Phys. Med. Acad. Caesar Leopold Carol., Halle*, **17** : 260.

1838. *Polypedates leucomystax* -Tschudi, *Classif. Batr.* : **34**, 75.

1838. *Hyla leucopogon* Tschudi, *Classif. Batr.* : 75.

1838. *Hyla quadrivirgata* Tschudi, *Classif. Batr.* : 75.

1841. *Polypedates rugosus* Dumeril and Bibron, *Erp. Gen.*, **8** : 520.

1859. *Polypedates quadrilineatus* -Gunther, “1858”, *Cat. Batr. Sal. Coll. Brit. Mus.* : 79.

1861. *Limnodytes celebensis* Fitzinger, “1860”, *Sitzungsber. Akad. Wiss. Wien, Phys. Math. Naturwiss. Kl.*, **42** : 413.

1882. *Rhacophorus maculatus* var. *quadrilineata* -Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 84.

1885. *Hylorana longipes* Fischer, *Arch. Naturgesch.*, **51** : 47.

1885. *Polypedates maculatus quadrilineatus* -Fischer, *Arch. Naturgesch.*, **51** : 43.

1889. *Rhacophorus leucomystax* - Boulenger, *Proc. Zool. Soc. London*, 1889 : 29.

1890. *Rhacophorus leucomystax leucomystax* -Mocquard, *Nouv. Arch. Mus. Natl. Hist.*

Nat. Paris, Ser. 3, 2 : 122, 150.

1890. *Rhacophorus leucomystax quadrilineatus* -Mocquard, *Nouv. Arch. Mus. Natl. Hist. Nat. Paris, Ser. 3, 2 : 122, 150.*
1894. *Rhacophorus leucomystax var. sexvirgata* -Boettger, In *Semon (ed.), Zool. Forschungsreisen Aust. Malay. Archipel., 5 : 113.*
1903. *Rhacophorus leucomystax quadrilineata* -Werner, *Abh. Math. Physik. Cl. Bayer. Akad. Wiss., 22 : 369.*
1912. *Rhacophorus maculatus leucomystax* -Annandale, *Rec. Indian Mus., 8 : 14.*
1912. *Rhacophorus maculatus himalayensis* Annandale, *Rec. Indian Mus., 8 : 14, 24.*
1927. *Hyla wirzi* Roux, *Rev. Suisse Zool., 34 : 121.*
1927. *Rhacophorus (Polypedates) leucomystax* -Bourret, *Fauna Indochine, Vert., 3 : 264.*
1927. *Rhacophorus (Polypedates) quadrilineatus* -Bourret, *Fauna Indochine, Vert., 3 : 264.*
1927. *Rhacophorus kampeni* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin, 1926 : 43.*
1931. *Rhacophorus (Rhacophorus) kampeni* -Ahl, *Das Tierreich, 55 : 116.*
1931. *Rhacophorus (Rhacophorus) leucomystax* -Ahl, *Das Tierreich, 55 : 134.*
1931. *Rhacophorus (Rhacophorus) himalayanus* -Ahl, *Das Tierreich, 55 : 137.*
1936. *Rhacophorus (Rhacophorus) leucomystax leucomystax* -olf, *Bull. Raffles Mus., 12 : 178.*
1946. *Rhacophorus (Rhacophorus) wirzi* -Forcart, *Verh. Naturforsch. Ges. Basel, 57 : 132.*
1954. *Rhacophorus leucomystax quadrilineatus* -Inger, *Fieldiana, Zool., 33 : 382.*
1987. *Rhacophorus (Rhacophorus) leucomystax teraiensis* Dubois, "1986", *Alytes, 5 : 81-82.*
1997. *Polypedates leucomystax*-Dutta, *Amph. India Sri Lanka : 93.*
2003. *Rhacophorus teraiensis* -Ao, Bordoloi, and Ohler, *Zoo's Print J., 18 : 1122.*

English names : **Java Whipping Frog**; Common tree Frog; Brown Tree Frog; Malayan House Frog; Four-lined Tree Frog; Six-lined Tree Frog; Terai Tree Frog; White-lipped Tree Frog; Malayan Tree Frog; Brown Tree Frog; Perching Frog; Bamboo Tree Frog; House Tree Frog; Jar Tree Frog; Stripe Tree Frog; Common Treefrog.

Type locality : "Java", Indonesia.

Type specimen : At Museum of Natural History Wroclaw University (MNHUWU-register number not available), Sienkiewicza, Wroclaw Poland (formerly Breslau Museum).

Distribution in India : West Bengal, Meghalaya, Assam, Manipur, Arunachal Pradesh, Nicobar Islands and Sikkim (Dutta, 1997).

Outside India : China, Philippines and Sumatra (distribution highly provisional) (Frost, 2008).

236. *Polypedates maculatus* (Gray, 1833)

1833. *Hyla maculata* Gray, *Ill. Indian Zool.* : pl. 82.
 1838. *Bürgeria maculata* Tschudi, *Classif. Batr.* : 34, 75.
 1838. *Hyla Reynoudi* Tschudi, *Classif. Batr.* : 34, 75.
 1859. *Polypedates maculatus* -Gunther, "1858", *Cat. Batr. Sal. Coll. Brit. Mus.* : 78.
 1882. *Rhacophorus maculatus* -Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. 2 : 83.
 1901. *Rhacophorus acanthostomus* Werner, *Zool. Anz.*, 24 : 98.
 1912. *Rhacophorus maculatus himalayensis* Annandale, *Rec. Indian Mus.*, 8 : 14.
 1927. *Rhacophorus (Polypedates) maculatus* -Bourret, *Fauna Indochine, Vert.*, 3 : 264.
 1931. *Rhacophorus (Rhacophorus) acanthostomus* -Ahl, *Das Tierreich*, 55 : 120.
 1931. *Rhacophorus (Rhacophorus) maculatus* -Ahl, *Das Tierreich*, 55 : 133.
 1931. *Rhacophorus (Rhacophorus) acanthostomus* -Ahl, *Das Tierreich*, 55 : 137.
 1931. *Rhacophorus (Rhacophorus) leucomystax himalayensis* -Ahl, *Das Tierreich*, 55 : 137.
 1936. *Rhacophorus leucomystax maculatus* -Wolf, *Bull. Raffles Mus.*, 12 : 181.
 1987. *Rhacophorus (Rhacophorus) maculatus himalayensis* -Dubois, "1986", *Alytes*, 5 : 84-85.

English names : **Chunam Frog**; Spotted Tree Frog; Common Indian Tree-frog; Common Tree Frog; Spotted Whipping Frog; Indian Tree Frog; Common Indian Tree Frog; Himalayan Tree Frog.

Type locality : "Bengal", India.

Type specimen : Not available.

Distribution in India : Throughout India (Dutta, 1997).

Outside India : Bangladesh and Sri Lanka (Frost, 2008).

237. *Polypedates megacephalus* Hallowell, 1861

1861. *Polypedates megacephalus* Hallowell, "1860", *Proc. Acad. Nat. Sci. Philadelphia*, 12 : 507.
 1878. *Polypedates maculatus* var. *unicolor* Muller, *Verh. Naturforsch. Ges. Basel*, 6 : 585.
 1911. *Rhacophorus braueri* Vogt, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1911 : 180.
 1925. *Rhacophorus leucomystax megacephalus* -Stejneger, *Proc. U.S. Natl. Mus.*, 66 : 30.
 1931. *Rhacophorus (Rhacophorus) baueri* -Ahl, *Das Tierreich*, 55 : 137.
 1986. *Polypedates megacephalus* -Matsui, Seto, and Utsunomiya, *J. Herpetol.*, 20 : 483-489.
 1987. *Rhacophorus (Rhacophorus) leucomystax megacephalus* -Dubois, "1986", *Alytes*, 5 : 81.

English names : Hong Kong Whipping Frog; Spot-legged Treefrog.

Type locality : “Hong-Kong”, China.

Type specimen : Not available.

Distribution in India : Nagaland (Ao, *et al.*, 2003).

Outside India : China, Taiwan, Hainan, Vietnam, Thailand, Myanmar and Japan (Frost, 2008).

238. *Polypedates occidentalis* Das and Dutta, 2006

2006. *Polypedates occidentalis* Das and Dutta, *J. Herpetol.*, **40** : 215.

English name : Charpa Tree Frog.

Type locality : “Charpa Forest Range”, Vazhachal Forest Division, Thrissur (District), Kerala, India.

Type specimen : At Carnegie Museum (CM 121991), Department of Herpetology, Pittsburgh, Pennsylvania, USA.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

239. *Polypedates pseudocruciger* Das and Ravichandran, 1998

1998. *Polypedates pseudocruciger* Das and Ravichandran, “1997”, *Hamadryad*, **22** : 89.

English name : False Hour-glass Tree Frog.

Type locality : “Glenbeck Estates”, near Nagercoil, Kanyakumari (District), Tamil Nadu State, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VA 1077), Tamil Nadu, India.

Distribution in India : Tamil Nadu and Karnataka (Biju, 2001).

Outside India : Not known.

Note : Endemic to Western Ghats.

240. ***Polypedates taeniatus*** (Boulenger, 1906)

1906. *Rhacophorus taeniatus* Boulenger, *J. Asiat. Soc. Bengal, Ser. 2*, **2** : 385.
 1931. *Rhacophorus (Rhacophorus) taeniatus* -Ahl, *Das Tierreich*, **55** : 108.
 1998. *Polypedates taeniatus* -Anders, Diener, and Schleich, In *Schleich and Kästle, Contr. Herpetol. S. Asia Nepal India*, **4**.

English names : **Bengal Whipping Frog**.

Type locality : “Purneah”, Bengal, India.

Type specimen : At British Museum, (BM 1947.2.26.57), London United Kingdom.

Distribution in India : Assam and Uttar Pradesh (Hegde *et al.*, 2009b)

Outside India : Bangladesh and Nepal (Frost, 2008).

Genus ***Rhacophorus*** Kuhl and Van Hasselt

241. ***Rhacophorus appendiculatus*** (Gunther, 1858)

1858. *Polypedates appendiculatus* Gunther, *Arch. Naturgesch.*, **24** : 324.
 1882. *Rhacophorus appendiculatus* -Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 86.
 1900. *Rhacophorus phyllopygus* Werner, *Zool. Jahrb., Jena, Abt. Syst.*, **13** : 494.
 1924. *Rhacophorus chaseni* Smith, *Proc. Zool. Soc. London*, 1924 : 226.
 1930. *Rhacophorus appendiculatus chaseni* -Smith, *Bull. Raffles Mus.*, **3** : 113.
 1930. *Rhacophorus appendiculatus appendiculatus* -Smith, *Bull. Raffles Mus.*, **3** : 113.
 1931. *Rhacophorus (Rhacophorus) appendiculatus* - Ahl, *Das Tierreich*, **55** : 143.
 1931. *Rhacophorus (Rhacophorus) chaseni* - Ahl, *Das Tierreich*, **55** : 147.
 1936. *Rhacophorus (Rhacophorus) appendiculatus appendiculatus* - Wolf, *Bull. Raffles Mus.*, **12** : 161.
 2000. *Leptomantis appendiculatus* - Iskandar and Colijn, *Treubia*, **31** : 95.
 2002. *Rhacophorus appendiculatus* Harvey, Pemberton, and Smith, *Herpetol. Monogr.*, **16** : 47.

English names : **Philippine Flying Frog**; South-east Asian Tree Frog; Brown-eyed Tree Frog; Frilled Treefrog; Rough-armed Tree Frog.

Type locality : “Philippinen”, Philippines.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Arunachal Pradesh (Dutta, 1997).

Outside India : Myanmar, Thailand, Cambodia, Vietnam, Malayasia, Sumatra, Borneo and Philippines (Frost, 2008).

242. *Rhacophorus bipunctatus* Ahl, 1927

1871. *Rhacophorus maculatus* Anderson, *J. Asiat. Soc. Bengal*, **40** : 27.
1882. *Rhacophorus bimaculatus* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 90.
1927. *Rhacophorus bipunctatus* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 46.
1931. *Rhacophorus (Rhacophorus) bipunctatus* - Ahl, *Das Tierreich*, **55** : 168.
1936. *Rhacophorus reinwardtii bipunctatus* - Wolf, *Bull. Raffles Mus.*, **12** : 214.
1960. *Rhacophorus rhodopus* Liu and Hu, "1959", *Acta Zool. Sinica*, **11** : 525.
1966. *Rhacophorus bimaculatus* - Inger, *Fieldiana, Zool.*, **52** : 294.
1985. *Rhacophorus bipunctatus* - Inger In Frost, *Amph. Species World* : 543.
1987. *Rhacophorus (Rhacophorus) rhodopus* - Dubois, "1986", *Alytes*, **5** : 77.
2005. *Rhacophorus htunwini* Wilkinson, Thin, Lwin, and Shein, *Proc. California Acad. Sci., Ser.*, **4**, 56.

English names : **Double-spotted Treefrog**; Himalaya Flying Frog; Twin-spotted Tree Frog; Red-webbed Treefrog; Orange-webbed Tree Frog; Twin-spotted Bushfrog; Htun Win's Treefrog.

Type locality : "Khasi Hills", India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10291; 2753-56), West Bengal, India.

Distribution in India : Meghalaya, Arunachal Pradesh, Assam, Manipur, Nagaland and Tripura (Dutta, 1997).

Outside India : China, Laos, Vietnam, Cambodia, Myanmar, Thailand and Malayasia (Frost, 2008).

243. *Rhacophorus calcadensis* Ahl, 1927

1882. *Rhacophorus beddomii* Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 469.
1927. *Rhacophorus calcadensis* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 46.
1931. *Rhacophorus (Rhacophorus) calcadensis* - Ahl, *Das Tierreich*, **55** : 167.

English names : **Kalakad Tree Frog**; Langbian Flying Frog.

Type locality : "Calcad (Kalakkad Hills)", "Tinnevely (Tirunelvely)", Tamil Nadu, India.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

244. *Rhacophorus kio* Ohler and Delorme, 2006

2006. *Rhacophorus kio* Ohler and Delorme, *C. R. Biol., Paris*, **329** : 90.1927.

English name : **Kio Frog**.

Type locality : “Long Nai, Nam Lan Forest Conservation Area”, Buon Tai County, Phongsaly Province, Laos.

Type specimen : At Museum National d'Histoire Naturelle (MNHNP 2004.0411), Rue Cuvier, Paris, France.

Distribution in India : Eastern India (West Bengal) (Frost, 2008).

Outside India : China, Thailand, Vietnam and Cambodia.

245. *Rhacophorus lateralis* Boulenger, 1883

1883. *Rhacophorus lateralis* Boulenger, *Ann. Mag. Nat. Hist., Ser. 5*, **12** : 162.

1931. *Rhacophorus (Rhacophorus) lateralis* - Ahl, *Das Tierreich*, **55** : 165.

English names : **Small Tree Frog**; Boulenger's Tree Frog.

Type locality : “Malabar”, India.

Type specimen : At British Museum, (BM 1882.2.10.75), London United Kingdom.

Distribution in India : Karnataka and Kerala (Das, 2000).

Outside India : Not known.

Note : Endemic to Western Ghats.

246. *Rhacophorus malabaricus* Jerdon, 1870

1870. *Rhacophorus malabaricus* Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 84.

1931. *Rhacophorus (Rhacophorus) malabaricus* - Ahl, *Das Tierreich*, **55** : 159.

English names : **Malabar Flying Frog**; Malabar Gliding Frog; Flying Frog.

Type locality : “Malabar”, India.

Type specimen : At British Museum, (BM-register number not available), London United Kingdom.

Distribution in India : Kerala, Karnataka and Goa (Dutta, 1997).

Outside India : Not known.

Note : Endemic to Western Ghats.

247. *Rhacophorus maximus* Gunther, 1858

1858. *Rhacophorus maximus* Gunther, *Arch. Naturgesch.*, **24** : 325.

1870. *Rhacophorus gigas* Jerdon, *Proc. Asiat. Soc. Bengal*, 1870 : 84.

1931. *Rhacophorus (Rhacophorus) maximus* - Ahl, *Das Tierreich*, **55** : 169.

1936. *Rhacophorus nigropalmatus maximus* - Wolf, *Bull. Raffles Mus.*, **12** : 203.

1966. *Rhacophorus maximus* - Inger, *Fieldiana, Zool.*, **52** : 321.

English names : **Giant Treefrog**; Nepal Flying Frog; Large Tree Frog; Gunther's Tree Frog; Yellow-spotted Tree Frog.

Type locality : uncertain.

Type specimen : At British Museum, (BM 43.7.21.59), London United Kingdom.

Distribution in India : Arunachal Pradesh, Eastern Himalayas, Assam, West Bengal and Meghalaya (Dutta, 1997).

Outside India : Nepal, Thailand and China (Frost, 2008).

248. *Rhacophorus pseudomalabaricus* Vasudevan and Dutta, 2000

2000. *Rhacophorus pseudomalabaricus* Vasudevan and Dutta, *Hamadryad*, **25** : 23.

English name : **False Malabar Gliding Frog**.

Type locality : "Andiparai Shola", Indira Gandhi Wildlife Sanctuary, Tamil Nadu, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 3095), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

249. *Rhacophorus rhodopus* Liu and Hu, 1960

1960. *Rhacophorus rhodopus* Liu and Hu, "1959", *Acta Zool. Sinica*, **11** : 525.

1985. *Rhacophorus namdaphaensis* Sarkar and Sanyal, *Rec. Zool. Surv. India*, **81** : 290.

1987. *Rhacophorus (Rhacophorus) rhodopus* - Dubois, "1986", *Alytes*, **5** : 77.

English names : **Red-webbed Treefrog**; Namdapha Flying Frog; Namdapha Tree Frog; Namdapha's Tree Frog.

Type locality : "Meng-yang, Yunnan", China.

Type specimen : At Chengdu Institute of Biology (CIB 571171), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Arunachal Pradesh, Northeastern India (Frost, 2008).

Outside India : Myanmar, Thailand, Laos, Vietnam, and China.

250. *Rhacophorus suffry* Bordoloi, Bortamuli, and Ohler, 2007

2007. *Rhacophorus suffry* Bordoloi, Bortamuli and Ohler, *Zootaxa*, **1653** : 9.

English name : **Suffry Red-webbed Treefrog**.

Type locality : "neighboring areas of Suffry tea estate", Assam, India.

Type specimen : At Museum of Institute of Advanced Study in Science and Technology (IASST A66), Paschim Boragaon, Guwahati, Assam, India.

Distribution in India : Known only from Type locality.

Outside India : Not known.

Note : Endemic to Assam.

251. *Rhacophorus taronensis* Smith, 1940

1940. *Rhacophorus taronensis* Smith, *Rec. Indian Mus.*, **42** : 473.

1984. *Rhacophorus gongshanensis* Yang and Su, *Acta Herpetol. Sinica*, N.S., **3** : 51.

1991. *Polypedates gongshanensis* - Fei, Ye, and Huang, "1990", *Key to Chinese Amph.* : 185.

1991. *Rhacophorus gongshanensis* - Yang, *Amph. Fauna of Yunnan* : 213.

English names : **Patsarlamdam Flying Frog**; Yunnan Flying Frog; Gongshan Treefrog.

Type locality : "Patsarlam dam", Myanmar.

Type specimen : At British Museum, (BM 1940.6.1.39), London United Kingdom.

Distribution in India : Meghalaya, Arunachal Pradesh and West Bengal (Dutta, 1997).

Outside India : China and Myanmar (Frost, 2008).

252. *Rhacophorus translineatus* Wu in Sichuan Institute of Biology Herpetology Department, 1977

1977. *Rhacophorus translineatus* Wu in Sichuan Institute of Biology Herpetology Department, *Acta Zool. Sinica*, **23** : 59, 63.

English names : **Cross-barred Treefrog**; Medog Flying Frog.

Type locality : “Medo (Medog County), Xizang (Tibet), China.

Type specimen : At Chengdu Institute of Biology (CIB 73II0031), Academia Sinica, Chengdu, Sichuan, China.

Distribution in India : Arunachal Pradesh (Frost, 2008).

Outside India : China (Frost, 2008).

253. *Rhacophorus tuberculatus* (Anderson, 1871)

1871. *Polypedates tuberculatus* Anderson, *J. Asiat. Soc. Bengal*, **40** : 26.

1882. *Rhacophorus tuberculata* - Boulenger, *Cat. Batr. Sal. Coll. Brit. Mus.*, Ed. **2** : 86.

1931. *Rhacophorus (Rhacophorus) tuberculatus* - Ahl, *Das Tierreich*, **55** : 156.

1936. *Rhacophorus schlegelii tuberculatus* - Wolf, *Bull. Raffles Mus.*, **12** : 197.

1985. *Rhacophorus tuberculatus* - Inger In Frost, *Amph. Species World* : 548.

English names : **Tuberculate Tree Frog**; Warty Flying Frog; Round-tubercled Treefrog.

Type locality : “Sebsaugor (Sibsagar)”, Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10152-56), West Bengal, India.

Distribution in India : West Bengal and Assam (Dutta, 1997).

Outside India : China (Frost, 2008).

Genus ***Theلودerma*** Tschudi

254. *Theلودerma asperum* (Boulenger, 1886)

1886. *Ixalus asper* Boulenger, *Proc. Zool. Soc. London*, 1886 : 415.

1927. *Rhacophorus asperrimus* Ahl, *Sitzungsber. Ges. Naturforsch. Freunde Berlin*, 1926 : 32.

1930. *Philautus asper* - Smith, *Bull. Raffles Mus.*, **3** : 116.

1931. *Rhacophorus (Philautus) asperrimus* - Ahl, *Das Tierreich*, **55** : 53, 74.

1942. *Philautus asperrimus* - Bourret, *Batr. Indochine* : 465-467.

1962. *Theloderma asperum* - Taylor, *Univ. Kansas Sci. Bull.*, **43** : 519.

English names : **Hill Garden Bug-eyed Frog**; Warty Tree Frog; Rough-skinned Small Treefrog; Cobalt-gray Warted Frog; Pied Warted Treefrog; Rough-skinned Whistling Tree Frog.

Type locality : "Hill Garden", Larut, Perak, Malaysia.

Type specimen : At British Museum, (BM 1947.2.6.18-19), London United Kingdom.

Distribution in India : Assam and Nagaland (Ao, *et al.*, 2003).

Outside India : Myanmar, China, Thailand, Laos, Vietnam and Indonesia (Frost, 2008).

255. *Theloderma moloch* (Annandale, 1912)

1912. *Phrynoderma moloch* Annandale, *Rec. Indian Mus.*, **8** : 18.

1931. *Rhacophorus (Phrynoderma) moloch* - Ahl, *Das Tierreich*, **55** : 60.

1936. *Rhacophorus (Rhacophorus) leprosus moloch* - Wolf, *Bull. Raffles Mus.*, **12** : 158.

1981. *Nyctixalus moloch* - Dubois, *Monit. Zool. Ital., N.S., Suppl.*, **15** : 257.

1985. *Theloderma moloch* - Inger In Frost, *Amph. Species World* : 550.

English names : **Assam Indonesian Treefrog**; Eerie Tree Frog; Xizang Warty Treefrog; Black-spotted Frog.

Type locality : "Upper Renging", Abor country, Arunachal Pradesh, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 16951-52), West Bengal, India.

Distribution in India : Arunachal Pradesh, and Assam.

Outside India : Not known.

Note : Endemic to northeastern India.

256. *Theloderma nagalandense* Orlov, Dutta, Ghate, and Kent, 2006

2006. *Theloderma nagalandensis* Orlov, Dutta, Ghate, and Kent, *Russ. J. Herpetol.*, **13** : 162.

2007. *Theloderma nagalandense* - Frost, *Amph. Spec. World Online*, vers. 5.1.

English name : **Nagaland Treefrog**.

Type locality : "Tseminyu village", Kohima, Nagaland, India.

Type specimen : At Department of Zoology, Modern College (MCZMI/Anura Type/1), Pune, Maharashtra, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Nagaland.

Order : CAUDATA Fischer von Waldheim

Family : SALAMANDRIDAE Goldfuss

Sub-family : PLEURODELINAE Tschudi

Genus *Tylototriton* Anderson

257. *Tylototriton verrucosus* Anderson, 1871

1871. *Tylototriton verrucosus* Anderson, *Proc. Zool. Soc. London*, 1871 : 423.

1878. *Triturus (Tylototriton) verrucosus* - Boulenger, *Bull. Soc. Zool. France*, **3** : 308.

1885. *Tylotriton verrucosus* - Boettger, *Ber. Offenbach. Ver. Naturkd.*, 24-25 : 165.

1889. *Glossolega verrucosa* - Cope, *Bull. U.S. Natl. Mus.*, **34** : 201.

1918. *Tylototriton verrucosus* - Dunn, *Bull. Mus. Comp. Zool.*, **62** : 450.

1984. *Tylototriton (Tylototriton) verrucosus* - Zhao and Hu, *Stud. Chinese Tailed Amph.*, : 9.

1985. *Pleurodeles (Tylototriton) verrucosus* - Risch, *J. Bengal Nat. Hist. Soc., N.S.*, **4** : 141.

English names : **Himalayan Newt**; Crocodile Newt; Crocodile Salamander; Red Knobby Newt; Orange-warted Salamander; Inthanon Salamander; Crocodile Newt.

Type locality : “Nantin”, “Momien”, and “Hotha valleys”, Western Yunan, China.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 10397; 11396; 10366-81), West Bengal, India.

Distribution in India : Arunachal Pradesh, Sikkim and Darjeeling.

Outside India : China, Myanmar, Bhutan, Nepal, Thailand, Vietnam and Laos (Frost, 2008).

Order : GYMNOPTERONIA Muller

Family : CAECILIIDAE Rafinesque

Genus *Gegeneophis* Peters

258. *Gegeneophis carnosus* (Beddome, 1870)

1870. *Epicrium carnosum* Beddome, *Madras Month. J. Med. Sci.*, **2** : 176.

1870. *Gegenes carnosus* - Günther, “1875”, *Proc. Zool. Soc. London*, 1875 : 577.

1880. *Gegeneophis carnosus* - Peters, "1879", *Monatsber. Preuss. Akad. Wiss. Berlin*, 1879 : 932.

1882. *Gegeneophis carnosus* - Boulenger, *Cat. Batr. Grad. Batr. Apoda Coll. Brit. Mus.*, Ed. 2 : 101.

English names : **Periah Peak Caecilian**; Blind Caecilian.

Type locality : "Periah Peak", Wayanad, Kerala, India.

Type specimen : At Zoological Survey of India, Kolkata (BM 1946.9.5.6465), West Bengal, India.

Distribution in India : Karnataka and Kerala (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

259. *Gegeneophis danieli* Giri, Wilkinson and Gower, 2003

2003. *Gegeneophis danieli* Giri, Wilkinson, and Gower, *Zootaxa*, **351** : 2.

English name : **Daniels Caecilian**.

Type locality : "East of Amboli", Sindhudurg (District), Maharashtra, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4157), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

260. *Gegeneophis fulleri* (Alcock, 1904)

1904. *Herpele fulleri* Alcock, *Ann. Mag. Nat. Hist.*, Ser. 7, **14** : 271.

1968. *Gegeneophis fulleri* - Taylor, *Caecilians of the World* : 735.

English names : **Fuller's Caecilian**; Kuttal Caecilian.

Type locality : "Kuttal", Silchar in Cachar, Assam, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 14759), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Assam.

261. *Gegeneophis goaensis* Bhatta, Dinesh, Prashanth and Kulkarni, 2007

2007. *Gegeneophis goaensis* Bhatta, Dinesh, Prashanth and Kulkarni, *Zootaxa*, **1409** : 51-59.

English name: Goa Caecilian.

Type locality : “Ganv Kond”, Keri, Sattari, Goa, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4594), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

262. *Gegeneophis krishni* Pillai and Ravichandran, 2005

1999. *Gegeneophis krishni* Pillai and Ravichandran, *Rec. Zool. Surv. India, Occas. Pap.*, **172** : 87.

English name : Gurupur Caecilian.

Type locality : “Krishna Farms”, Gurpur, South Canara, Karnataka, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-M VAG 32), Tamil Nadu, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

263. *Gegeneophis madhavai* Bhatta and Srinivasa, 2004

2004. *Gegeneophis madhavai* Bhatta and Srinivasa, *Zootaxa*, **644** : 2.

2006. *Gegeneophis madhavaorum* - Das, *Herpetol. Rev.*, **37** : 154.

English name : Mudur Caecilian.

Type locality : “Doddinaguli”, Mudur, Kundapura, Udupi (District), Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4235), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

264. ***Gegeneophis mhadeiensis*** Bhatta, Dinesh, Prashanth and Kulkarni, 2007

2007. *Gegeneophis mhadeiensis* Bhatta, Dinesh, Prashanth and Kulkarni, *Curr. Sci.*, **93(10)** : 1442-1445.

English name : **Mhadei Caecilian.**

Type locality : “the surroundings of Rameshwar temple” (Chorla Village), Khanapur Taluk, Belgaum District, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4643), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

265. ***Gegeneophis nadkarnii*** Bhatta and Prashanth, 2004

2004. *Gegeneophis nadkarnii* Bhatta and Prashanth, *Curr. Sci.*, **87** : 388-392.

English name : **Nadkarnii Caecilian.**

Type locality : “Bondla Wildlife Sanctuary”, Goa, India.

Type specimen : At Zoological Survey of India, Western Ghats Field Research Station (ZSI/WGFRS/V/A/ 573), Calicut, Kerala, India.

Distribution in India : Known from Type locality and is common in 20 km. surrounding the Type locality (Bhatta, et. al., 2007).

Outside India : Not known.

Note : Endemic to Western Ghats.

266. ***Gegeneophis ramaswamii*** Taylor, 1964

1964. *Gegeneophis ramaswamii* Taylor, *Senckenb. Biol.*, **45** : 227.

English names : **Ramaswami's Caecilian**; Tenmalai Caecilian.

Type locality : "Tenmalai forest", Kerala, India.

Type specimen : At Museum of Comparative Zoology (MCZ 29453), Harvard University, Cambridge, Massachusetts, USA.

Distribution in India : Kerala (Pillai and Ravichandran, 2005) and Tamil Nadu (Oomen *et al.*, 2000).

Outside India : Not known.

Note : Endemic to Western Ghats.

267. ***Gegeneophis seshachari*** Ravichandran, Gower and Wilkinson, 2003

2003. *Gegeneophis seshachari* Ravichandran, Gower, and Wilkinson, *Zootaxa*, **350** : 2.

English name : **Seshachari's Caecilian**.

Type locality : "Dorle Village", Ratnagiri (District), Maharashtra, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC A3384), West Bengal, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats. Refer Gower *et al.*, (2007b) for redescription of the species and new collections from the Type locality.

Genus ***Indotyphlus*** Taylor

268. ***Indotyphlus battersbyi*** Taylor, 1960

1960. *Indotyphlus battersbyi* Taylor, *Univ. Kansas Sci. Bull.*, **40** : 31.

English name : **Battersby's Caecilian**.

Type locality : "Khandala", Poona (District), Maharashtra, India.

Type specimen : At American Museum of Natural History (AMNH 49974), Division of Vertebrate Zoology (Herpetology), New York, USA.

Distribution in India : Maharashtra.

Outside India : Not known.

Note : Endemic to Western Ghats.

269. *Indotyphlus maharashtraensis* Giri, Gower and Wilkinson, 2004

2003. *Indotyphlus maharashtraensis* Giri, Wilkinson, and Gower, *Zootaxa*, **351** : 2.

English name : **Humbarli Caecilian.**

Type locality : "Humbarli village", Koyna, Satara (District), Maharashtra, India.

Type specimen : At Bombay Natural History Society Museum (BNHM 4217), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

Family : ICHTHYOPHIIDAE Taylor

Genus *Ichthyophis* Fitzinger

270. *Ichthyophis beddomei* Peters 1879

1880. *Ichthyophis Beddomei* Peters, "1879", *Monatsber. Preuss. Akad. Wiss. Berlin*, 1879 : 932.

English names : **Beddome's Caecilian**; Nilgherries Caecilian.

Type locality : "Nilgherries" (Nilgiri), Tamil Nadu, India.

Type specimen : At Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB 5545), Berlin, Germany.

Distribution in India : Karnataka, Kerala and Tamil Nadu (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

271. *Ichthyophis bombayensis* Taylor, 1960

1960. *Ichthyophis bombayensis* Taylor, *Univ. Kansas Sci. Bull.*, **40** : 67.

1960. *Ichthyophis malabarensis* Taylor, *Univ. Kansas Sci. Bull.*, **40** : 80.

1960. *Ichthyophis peninsularis* Taylor, *Univ. Kansas Sci. Bull.*, **40** : 61.

1960. *Ichthyophis subterrestris* Taylor, *Univ. Kansas Sci. Bull.*, **40** : 65.

English names : **Bombay Caecilian;** Maharashtra Caecilian; Travancore Caecilian; Malabar Caecilian; Peninsular Caecilian; Kerala Caecilian; Cochin Caecilian.

Type locality : “Waghii”, Surat Dangs, Gujarat, India.

Type specimen : At British Museum, (BM 1888.6.11.1), London United Kingdom.

Distribution in India : Gujarat, Maharashtra, Karnataka, Kerala and Tamil Nadu (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats, refer Gower *et al.*, 2007a for genetic homogeneity in un-striped *Ichthyophis* along Western Ghats.

272. *Ichthyophis garoensis* Pillai and Ravichandran, 2005

1999. *Ichthyophis garoensis* Pillai and Ravichandran, *Rec. zool. Surv. India, Occ. Pap.*, **172** : 28.

English name : **Garro Caecilian.**

Type locality : “Anogiri Lake”, Garo Hills, Meghalaya, India.

Type specimen : At Zoological Survey of India, Eastern Regional Station (ZSI-S 18458), Shillong, Meghalaya, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Meghalaya.

273. *Ichthyophis husaini* Pillai and Ravichandran, 2005

1999. *Ichthyophis husaini* Pillai and Ravichandran, *Rec. zool. Surv. India, Occ. Pap.*, **172** : 36.

English name : **Hussain’s Caecilian.**

Type locality : “Thebronggiri Coffee Garden”, Rongram, Garo Hills, Meghalaya, India.

Type specimen : At Zoological Survey of India, Eastern Regional Station (ZSI-S 18426), Shillong, Meghalaya, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Meghalaya.

274. ***Ichthyophis kodaguensis*** Wilkinson, Gower, Govindappa and Venkatachalaiah, 2007

2007. *Ichthyophis kodaguensis husaini* Wilkinson, Gower, Govindappa and Venkatachalaiah, *Herpetologica*, **63**(4) : 511-518.

English name : Kodagu Striped Ichthyophis.

Type locality : "Venkidds Valley Estate", Kodagu, Karnataka, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4179), Bombay, India.

Distribution in India : Known from borders of Kerala and Karnataka.

Outside India : Not known.

Note : Endemic to Western Ghats.

275. ***Ichthyophis longicephalus*** Pillai, 1986

1986. *Ichthyophis longicephalus* Pillai, *Rec. zool. Surv. India*, **84** : 231.

English name : Long-headed Caecilian.

Type locality : "Silent Valley", Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS 28), Tamil Nadu, India.

Distribution in India : Kerala, Tamil Nadu (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

276. ***Ichthyophis sikkimensis*** Taylor, 1960

1960. *Ichthyophis sikkimensis* Taylor, Univ. Kansas Sci. Bull., **40** : 9194.

English names : Sikkimese Caecilian; Darjeeling Caecilian.

Type locality : "Darjeeling", West Bengal, India.

Type specimen : At California Academy of Sciences (CAS 64216), Golden Gate Park, San Francisco, California, USA.

Distribution in India : Sikkim, West Bengal and Kerala (Dutta, 1997 and Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to India (Western northeast and Western Ghats).

277. *Ichthyophis tricolor* Annandale, 1909

1909. *Ichthyophis glutinosus tricolor* Annandale, *Rec. Indian Mus.*, **3** : 286.

1968. *Ichthyophis tricolor* - Taylor, *Caecilians of the World* : 148.

English names : **Three-colored Caecilian**; Maddatorai Caecilian.

Type locality : “Maddathorai”, Travancore, Western Ghats, India.

Type specimen : Information not available.

Distribution in India : Kerala (Dutta, 1997), Tamil Nadu (GKB personal collections).

Outside India : Not known.

Note : Endemic to Western Ghats.

Genus *Uraeotyphlus* Peters**278. *Uraeotyphlus gansi* Gower, Rajendran, Nassbaum and Wilkinson, 2008**

2008. *Uraeotyphlus gansi* Gower, Rajendran, Nussbaum, and Wilkinson, *Herpetologica*, **64** : 235.

English name : **Gansi Caecilian.**

Type locality : “Nalumukku tea estate”, Upper Kodayar, Kalakad-Mundanthurai Tiger Reserve, Tirunelveli District, Tamil Nadu State, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4615), Bombay, India.

Distribution in India : From Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

279. *Uraeotyphlus interruptus* Pillai and Ravichandran, 2005

1999. *Uraeotyphlus interruptus* Pillai and Ravichandran, *Rec. zool. Surv. India, Occ. Pap.*, **172** : 60.

English name : **Chengalam Caecilian.**

Type locality : “Chengalam Village”, Kerala, India.

Type specimen : At Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS VAG 14), Tamil Nadu, India.

Distribution in India : Kerala (Dutta, 1997 and Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

280. *Uraeotyphlus malabaricus* (Beddome, 1870)

1870. *Cecilia malabarica* Beddome, *Madras Month. J. Med. Sci.*, **2** : 175.

1880. *Uraeotyphlus malabaricus* - Peters, "1879", *Monatsber. Preuss. Akad. Wiss. Berlin*, 1879 : 933.

English name : Malabar Caecilian.

Type locality : "Malabar", India.

Type specimen : At British Museum, (BM 1946.9.5.16), London United Kingdom.

Distribution in India : Kerala and Tamil Nadu (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

281. *Uraeotyphlus menoni* Annandale, 1913

1913. *Uraeotyphlus menoni* Annandale, *Rec. Indian Mus.*, **9** : 301.

English names : Menon's Caecilian; Kerala Caecilian.

Type locality : "southern part of the Malabar Zone", Trichur in Cochin, Kerala, India.

Type specimen : At Zoological Survey of India, Kolkata (ZSIC 16707), West Bengal, India.

Distribution in India : Kerala (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

282. *Uraeotyphlus narayani* Seshachar, 1939

1939. *Uraeotyphlus narayani* Seshachar, *Proc. Indian Acad. Sci., Ser. B*, **9** : 224228.

English names : Narayan's Caecilian; Kannan Caecilian.

Type locality : "Kannan", Kottayam, Travancore, Kerala, India.

Type specimen : Information not available.

Distribution in India : Karnataka and Kerala (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

283. *Uraeotyphlus oommeni* Gower and Wilkinson, 2007

2007. *Uraeotyphlus oommeni* Gower and Wilkinson, *Herpetologica*, **63**(3) : 401-410.

English name : Oommen's *Uraeotyphlus*.

Type locality : "Bonaccord", Thiruvananthapuram, Kerala, India.

Type specimen : At Bombay Natural History Society Museum (BNHS 4178), Bombay, India.

Distribution in India : Known from Type locality only.

Outside India : Not known.

Note : Endemic to Western Ghats.

284. *Uraeotyphlus oxyurus* (Dumeril and Bibron, 1841)

1841. *Caecilia oxyura* Dumeril and Bibron, *Erp. Gen.*, **8** : 280.

1880. *Uraeotyphlus oxyurus* - Peters, "1879", *Monatsber. Preuss. Akad. Wiss. Berlin*, 1879 : 933.

English names : Red *Caecilian*; Sharp-nosed *Caecilian*.

Type locality : "Cote du Malabar", India.

Type specimen : At Museum National d'Histoire Naturelle (MNHN 4271), Rue Cuvier, Paris, France.

Distribution in India : Kerala and Tamil Nadu (Pillai and Ravichandran, 2005).

Outside India : Not known.

Note : Endemic to Western Ghats.

DISCUSSION

Distribution across India

The amphibian diversity currently realized from the world over is 6,433 species (Frost, 2009), of which 284 species, sharing 4.41% of the world total belonging to 50 genera of 14 families occur in India. The world over, or in India, distribution of amphibian species is not uniform; it depends, to a greater extent and significance, on certain zoogeography-linked ecosystem/habitat preferences. In India, the biodiversity Hot-Spots, Viz. North-east India and Western Ghats, 2 among the 34 such biodiversity Hot-Spots of the globe, have higher concentrations of amphibians with richer diversity and density of species. Of the 284 species from India, 29 (10.21%) species are endemic to North-east India, 132 (46.47%) endemic to the Western Ghats and 5 (1.76%) endemic to Andaman & Nicobar Islands (Table 1).

Table 1. Endemism in Amphibia of India

Family	Genus	No. of species in India	No. of species endemac to North eastern	No. of species endemic to Western Ghats	No. of species endemic to A. & N. Islands
Bufonidae	<i>Ansonia</i>	2		2	
	<i>Bufo</i>	10		4	
	<i>Bufoides</i>	1	1		
	<i>Duttaphrynus</i>	3		1	
	<i>Pedostibes</i>	2	1	1	
	<i>Pseudepidalea</i>	1			-
Dicroglossidae	<i>Allopaa</i>	2			-
	<i>Chrysopaa</i>	1			
	<i>Euphlyctis</i>	3	1		
	<i>Fejervarya</i>	20		12	2
	<i>Hoplobatrachus</i>	2			
	<i>Limnonectes</i>	8	2		
	<i>Nanorana</i>	9	2		-
	<i>Ombrana</i>	1			
	<i>Sphaerotheca</i>	4		2	
	<i>Ingerana</i>	1			1
	<i>Occidozyga</i>	2			
Hylidae	<i>Hyla</i>	1			

Family	Genus	No. of species in India	No. of species endemac to North eastern	No. of species endemic to Western Ghats	No. of species endemic to A. & N. Islands
Megophryidae	<i>Leptobrachium</i>	3			
	<i>Scutiger</i>	2			
	<i>Xenophrys</i>	9	2		
Micrixalidae*	<i>Micrixalus</i> @	1 1		1 1	
Microhylidae	<i>Kalophrynus</i>	1			
	<i>Melanobatrachus</i> @	1		1	
	<i>Kaloula</i>	4	1		
	<i>Microhyla</i>	8		1	1
	<i>Micryletta</i>	1			
	<i>Ramanella</i>	6		5	
	<i>Uperodon</i>	2			
Nasikabatrachidae*	<i>Nasikabatrachus</i> @	1		1	
Nyctibatrachidae*	<i>Nyctibatrachus</i> @	1 6		1 6	
Ranidae	<i>Amolops</i>	1 0	1		
	<i>Clinotarsus</i>	2		1	
	<i>Humerana</i>	1			
	<i>Hylarana</i>	1 1	1		
	<i>Odorrana</i>	3	1		
	<i>Pterorana</i>	1	1		
Ranixalidae*	<i>Indirana</i> @	1 0		1 0	
Rhacophoridae	<i>Chiromantis</i>	6	3		
	<i>Ghatixalus</i> @	2		2	
	<i>Kurixalus</i>	1			
	<i>Philautus</i>	4 8	7	3 3	
	<i>Polypedates</i>	7		2	1
	<i>Rhacophorus</i>	1 3	1	4	
	<i>Theloderma</i>	3	1		
Salamandridae	<i>Tylototriton</i>	1			
Caeciliidae	<i>Gegeneophis</i>	1 0	1	9	
	<i>Indotyphlus</i> @	2		2	
Ichthyophiidae	<i>Ichthyophis</i>	8	2	5	
	<i>Uraeotyphlus</i> @	7		7	
	Total	284	29	132	5

*families endemic to Western Ghats; @ genera endemic to Western Ghats; family restricted to Western Ghats and Sri Lanka

The present checklist updates the earlier ones pertaining to the amphibians of India. The species having doubtful occurrence in India, especially in habitats along the North-east boundaries, just by virtue of their occurrence in the adjoining or neighbouring countries such as China, Nepal, Bhutan, Myanmar, Bangladesh, Sri Lanka, Pakistan and Afghanistan are not included in the present checklist in the absence of confirmatory, authenticated reports from India.

224 species, nearly 79% of Indian amphibians, are discovered from India having type localities within the country. Analysis of species discovery pattern of 224 species (Fig. 1), infers that amphibian discoveries in India has gained greater momentum in the last decade than any other period/duration of the 200 years' history of amphibian discoveries from India. 61 species, a notable share of nearly 27% of the total discovery, are made between 2000 and 2009. It is discernible from the plotted species discovery pattern that there are three major time periods: the first between the years 1850 and 1900, the second between 1900 and 1950, and the third from the year 2000 to till date. Scrutiny of literature shows each of these periods had at least 2 researchers significantly contributing to the discoveries of new taxa. If Gunther and Boulenger figured prominently in the first phase, it was Annandale and Rao in the second period and the third period (current phase) is marked by Biju and Bossuyt.

The first case of discovery and description of an amphibian species from India dates back to 1799, when Schneider discovered and documented 5 species of amphibians from Oriental India. Subsequently, amphibian discoveries and documentation got geared up; the list of species was updated on a regular basis, mostly by the British researchers till 1930s (Table 2). Jerdon discovered and documented 11 species during 1853 and 1854, and 3 more in 1870, followed by Gunther with 13 species in 1875 and 1876. Out of these, 18 species, constituting 66 % of the taxa, discovered were from the Western Ghats. The record of maximum

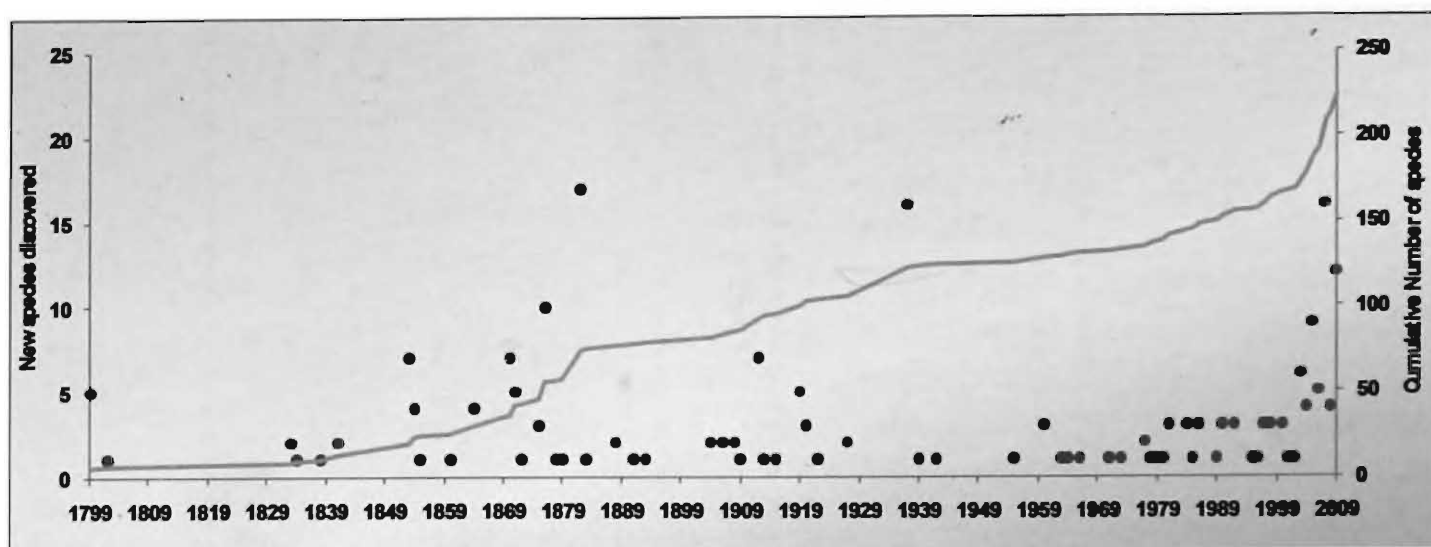


Figure 1. Pattern of species discovery of Amphibia in India (dots indicate discovery and line indicates cumulative discovery pattern).

number of amphibian species discovered and described in a year from Indian limits is credited to Boulenger who described 17 species in 1882, adding to the existing list of Indian amphibians. Boulenger contributed altogether 33 species to the list. During the period 1850-1900, 67 species were added to the species list of Indian amphibians. Annandale contributed 11 new species to the list during 1909-1919. The pattern of species discoveries reflects a lull period spanning from 1920 to 1960. Except for Rao's commendable work in 1937, with the description of 16 new species, this lag period is attributed to the political scenario of that time owing to the World War I & II and the struggle for Indian Independence. The pre-independence period (prior to 1947) had 124 species discovered, which was aptly called the "Golden era" of Batracology in India (Biju 2001). However, the last decade of the 20th century marked the spurge in amphibian discovery mainly credited to Biju and Bossuyt, who dominated the scene by discovering 19 species of amphibians new to science and even erecting a new family Nasikabatrachidae (Plate-I a). Their significant contribution is in the genus *Philautus*, with 18 species described by them jointly and one species by Bossuyt alone.

Table 2. Major contributors to Amphibian discoveries in India

Author	Species
Boulenger	33
Biju & Bossuyt	19
Rao	18
Gunther	17
Jerdon	14
Pillai + Pillai & Chanda/Pattabiraman/Ravichandran	14
Annandale	11
Das + Das & Chanda/Dutta/Kunte/Ravichandran	9
Schneider	5
Anderson	4
Kuramoto <i>et al.</i> ,	4
Taylor	4

The earlier trend of species being described by a single author is gradually getting shifted to the joint efforts of species documentation by multiple authors. Among 61 descriptions of new taxa, since 2000, only two have single authorship (Figure 2). The shift to multi-authorship works is attributed to the adaptation of pure taxonomy-oriented research to collaborative scientific works benefiting from the application of modern tools and techniques. The conventional taxonomic and

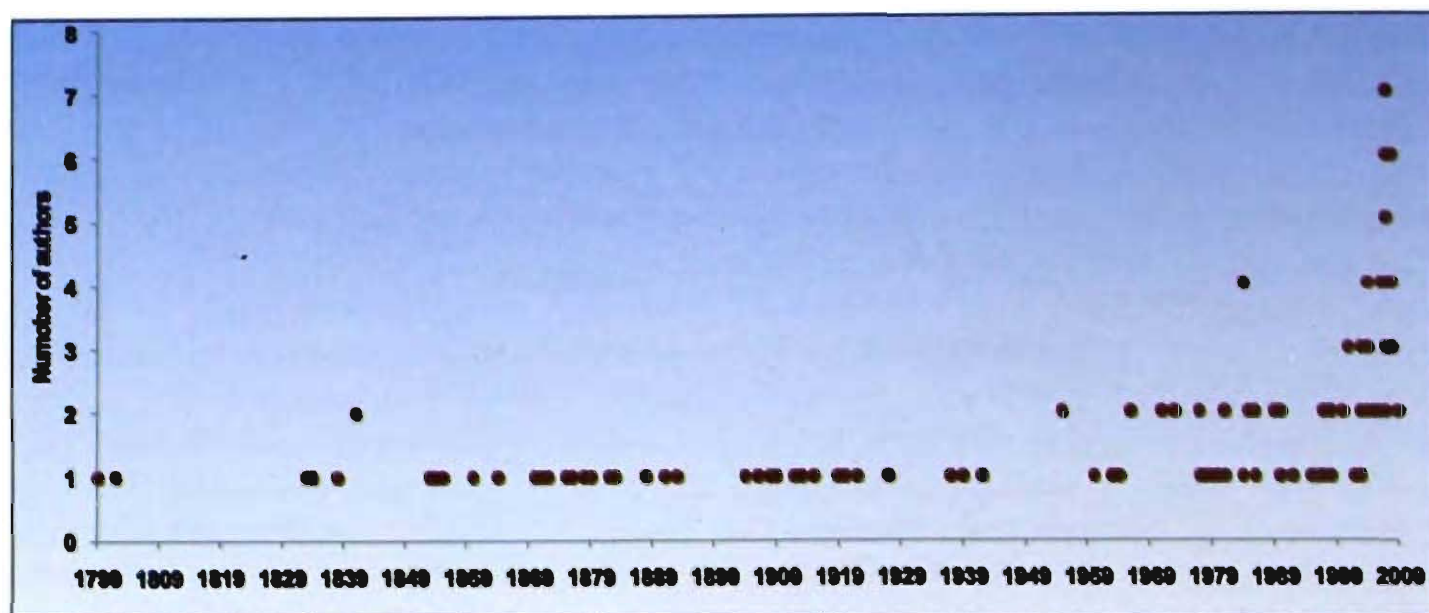


Figure 2. Single vis-à-vis multiple authorship in species descriptions from India

systematic approaches based on morphology, morphometry and osteology, have borrowed or imbibed the ideas from modern methods and techniques like molecular analysis, acoustics, ecological niche modeling and robust statistical analysis to address wider issues of ecology, evolution and biogeography while describing species, adding necessary inputs from non-taxonomists.

Considering the discovery patterns in various biogeographic region/zones across India, Western Ghats has 138 species, followed by North-east hills with 32, Himalaya with 29, Deccan plateau with 11 and Islands with 6 species. No species is discovered from the Deserts, while one each is known from Trans-Himalaya, Gangetic plains and Semi-arid regions (Figures 3 to 6). The data highlight the regions/zones of high priority not only for their potential for new discoveries of taxa, but also for conservation and management practices.

The works of Aravind *et al.*, (2004, 2007), Gower *et al.*, (2004), have provided the patterns of species discovery in Western Ghats, emphasising on the endemism and abundance of species. A scrutiny of the hitherto works on Amphibia from India reveals that many more new species are still to be discovered from the Western Ghats as the the graph of cumulative discoveries keep peaking up (Figure 4).

The species discovery pattern in North-east Hills has resemblance to the pattern in Western Ghats (Figure 5). Although, there was no discovery of any species from the region during 1920s and 1960s, the species discoveries from the region in the last few years are indicative of many more species to be added in the years to come. A sharp contrast is observed in Himalayan region (Figure 6), wherein discovery pattern has exhibited asymptote, indicating lesser probability of new species from the region.

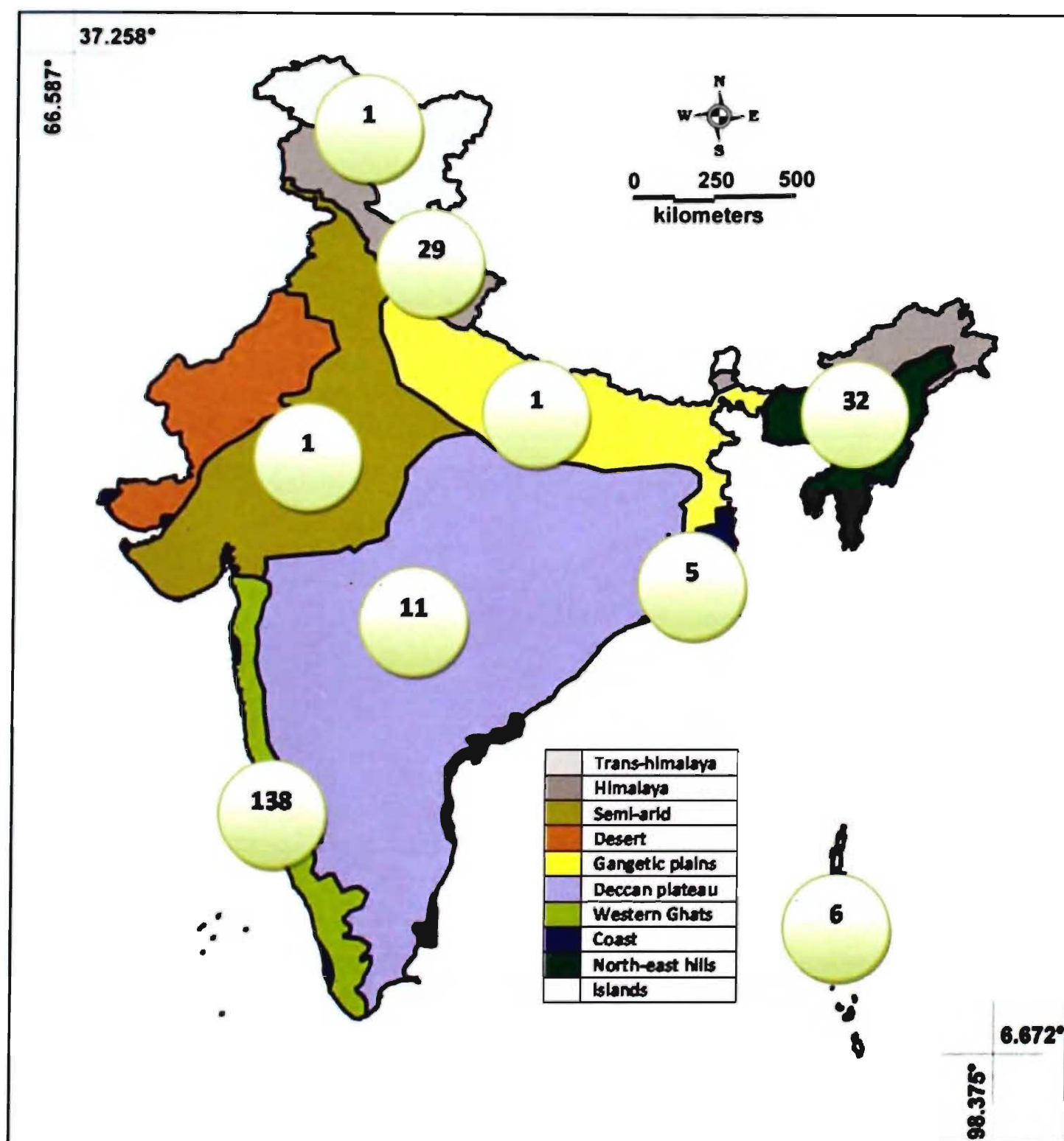


Figure 3. Number of amphibian species with type localities known from the various biogeographic zones of India.

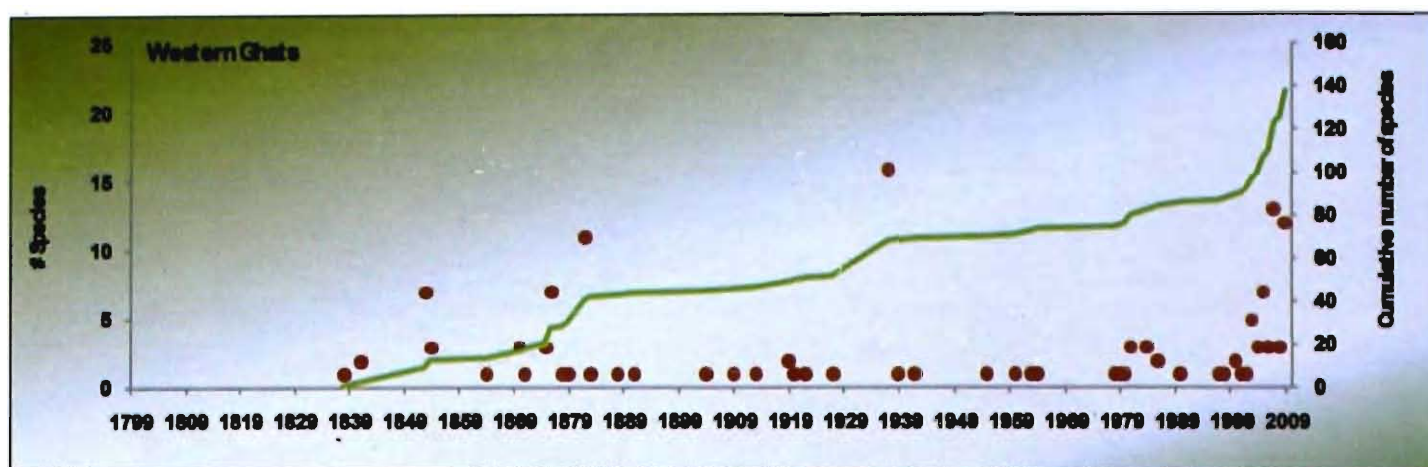


Figure 4. Pattern of species discovery of Amphibia in Western Ghats (dots indicate discovery and line indicates cumulative discovery pattern).

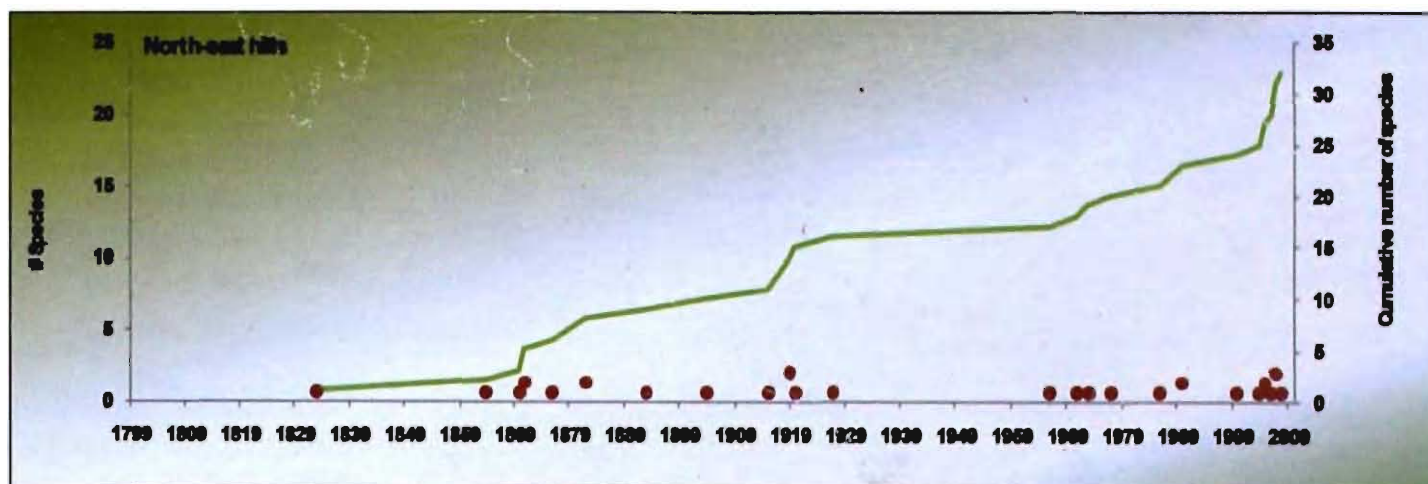


Figure 5. Pattern of species discovery of Amphibia in North-east Hills (dots indicate discovery and line indicates cumulative discovery pattern).

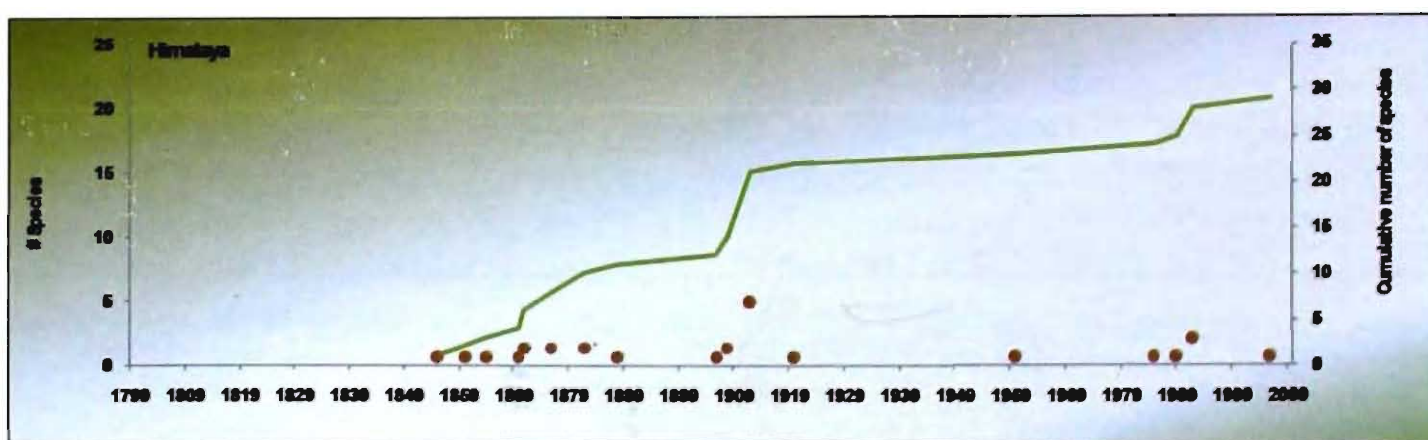


Figure 6. Pattern of species discovery of Amphibia in Himalaya (dots indicate discovery and line indicates cumulative discovery pattern).

TYPE SPECIMENS IN MUSEUMS

In the present checklist of 284 species of amphibians, type localities for 224 species are found within the political boundaries of India. Since many of the known amphibians had been described during the pre-independence period, considerable quantum (48.42%) of Type specimens is housed in different museums/depositories Outside India (Table 3). The remaining 51.58% (130 species) are housed in the different depositories/museums of India.

National depository of Zoological survey of India, Kolkata and its ecosystem based Regional Stations have the Type specimens of 88 species in their faunal depositories. Of the remaining 42 types, 37 are deposited in the Bombay Natural History Society (BNHS), Mumbai and 5 in other institutions of the country (Table 3).

Table 3. Museum/Depositories of Type specimens from India.

Museum/Depository name	No. of Types
American Museum of Natural History (AMNH), New York, USA	1
British Museum, (BM), London, United Kingdom	63
Bombay Natural History Society (Museum) (BNHS/BNHM), Bombay, India	37
California Academy of Sciences (CAS/CAS-SU), California, USA.	3
Chengdu Institute of Biology (CIB), Sichuan, China	7
Carnegie Museum (CM), Pennsylvania, USA	1
Field Museum (FMNH), Illinois, USA	1
Museum of Institute of Advanced Study in Science and Technology (IASST), Guwahati, India	2
Institut Royal des Sciences Naturelles de Belgique (IRSNB), Brussels, Belgium	1
Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN), Brussels, Belgium	1
University of Kansas (KU), Museum of Natural History, Kansas, USA	1
Museum of Comparative Zoology (MCZ), Massachusetts, USA	5
Department of Zoology, Modern College (MCZMI), Pune, India	1
Museum National d'Histoire Naturelle (MNHN/MNHNP), Paris, France	18
Museum of Natural History Wroclaw University (MNHWU), Wroclaw, Poland	1
Museo Civico di Storia Naturale di Genova Giacomo Doria (MSNG), Geneva, Italy	3
National Science Museum of Thailand (NHMT)	1

Museum/Depository name	No. of Types
Naturhistorisches Museum, Zoologische Abtheilung (NHMW), Wien, Austria	1
Regional Museum of Natural History (RMNH) Bhubaneswar, India	2
Nationaal Natuurhistorisch Museum (formerly Rijksmuseum van Natuurlijke Historie) (RMNH), Postbus, The Netherlands	2
National Museum of Natural History (USNM), Washington, USA	2
Universitat Humboldt, Zoologisches Museum, Invalidenstrasse, (ZMB), Berlin, Germany	9
Universitets Kobenhavn, Zoologisk Museum (ZMUC), Universitetsparken, Denmark	1
Zoological Survey of India, Northern Regional Station (ZSI-NRS), Dehra Dun, India	3
Zoological Survey of India, Eastern Regional Station (ZSI-S/ZSIE), Shillong, India	4
Zoological Survey of India, Southern Regional Station, Chennai, (ZSI-SRS/ ZSI-M), India	12
Zoological Survey of India, Western Ghats Field Research Station (ZSI/WGFRS), Calicut, India	5
Zoological Survey of India, Kolkata (ZSIC/ZSI-KZ), India	64

SPECIES DISCOVERY PATTERN

Considering 43 genera with overall 224 species discovered since 1799 from India, 16 genera have their latest species described after 2000. The generic strength based on the species discoveries over the years (Table 4) indicates that some genera, which have at present only very minimal number of species, are likely to have more species to be described.

Table 4. Genera and number of species of Amphibia discovered from India

Genera	Total species	First described	Last described
<i>Amolops</i>	7	1871	2008
<i>Ansonia</i>	2	1876	1981
<i>Bufo</i>	8	1799	1981
<i>Bufoides</i>	1	1971	—
<i>Chiromantis</i>	4	1915	1992
<i>Clinotarsus</i>	2	1853	1882
<i>Duttaphrynus</i>	3	1799	1882

Genera	Total species	First described	Last described
<i>Euphlyctis</i>	3	1799	1990
<i>Fejervarya</i>	17	1853	2007
<i>Gegeneophis</i>	10	1870	2007
<i>Ghatixalus</i>	2	1853	2008
<i>Hoplobatrachus</i>	2	1802	1854
<i>Hyla</i>	1	1870	—
<i>Hylarana</i>	4	1838	1920
<i>Ichthyophis</i>	8	1879	2007
<i>Indirana</i>	10	1875	1986
<i>Indotyphlus</i>	2	1960	2004
<i>Ingerana</i>	1	1998	—
<i>Kaloula</i>	2	1833	2004
<i>Kurixalus</i>	1	1912	—
<i>Limnonectes</i>	4	1871	1996
<i>Melanobatrachus</i>	1	1878	—
<i>Micrixalus</i>	11	1853	1990
<i>Microhyla</i>	3	1841	2000
<i>Nanorana</i>	5	1860	2000
<i>Nasikabatrachus</i>	1	2003	—
<i>Nyctibatrachus</i>	16	1882	2008
<i>Occidozyga</i>	1	1912	—
<i>Odorrana</i>	2	1977	—
<i>Ombrana</i>	1	1870	—
<i>Pedostibes</i>	2	1875	1919
<i>Philautus</i>	46	1853	2009
<i>Polypedates</i>	5	1833	2006
<i>Pseudepidalea</i>	1	1882	—
<i>Pterorana</i>	1	1986	—
<i>Ramanella</i>	6	1854	1937
<i>Rhacophorus</i>	7	1870	2007
<i>Scutiger</i>	1	1855	—
<i>Sphaerotheca</i>	3	1799	1937
<i>Theloderma</i>	2	1912	2006
<i>Uperodon</i>	2	1799	1864
<i>Uraeotyphlus</i>	7	1841	2008
<i>Xenophrys</i>	6	1893	2007

Among the genera, *Fejervarya* (Plate-I b), *Nyctibatrachus* (Plate-I c), *Indirana* (Plate-I d), *Micrixalus* (Plate-I e), *Philautus* (Plate-I f) and *Gegeneophis* (Plate-I g) are comparatively more speciose. Of these, barring *Fejervarya* and *Philautus*, the remaining are endemic to the Western Ghats (Figures 7, 8, 9, 10, 11, and 12). Given the current status of species richness, the Western Ghats region is richer in species diversity than that of any other biogeographic zone in India. However, the possibility of discovering many more new taxa from North-east Hills cannot be ruled out since the species discovery pattern of that biogeographic zone has resemblance to that of Western Ghats.

In *Fejervarya*, among the 17 species, 14 are described from Western Ghats, 2 from islands and 1 from coastal region. The pattern of discovery is very uneven with one or two new descriptions scattered across the time scale (Figure 7). This genus comprising of many similar looking species, offers greater challenge in its taxonomy particularly while dealing with the species complex from the Western Ghats. Kuramoto *et al.*, (2007), described four new species from the Western Ghats, clearly highlighting the need for thorough study in this genus.

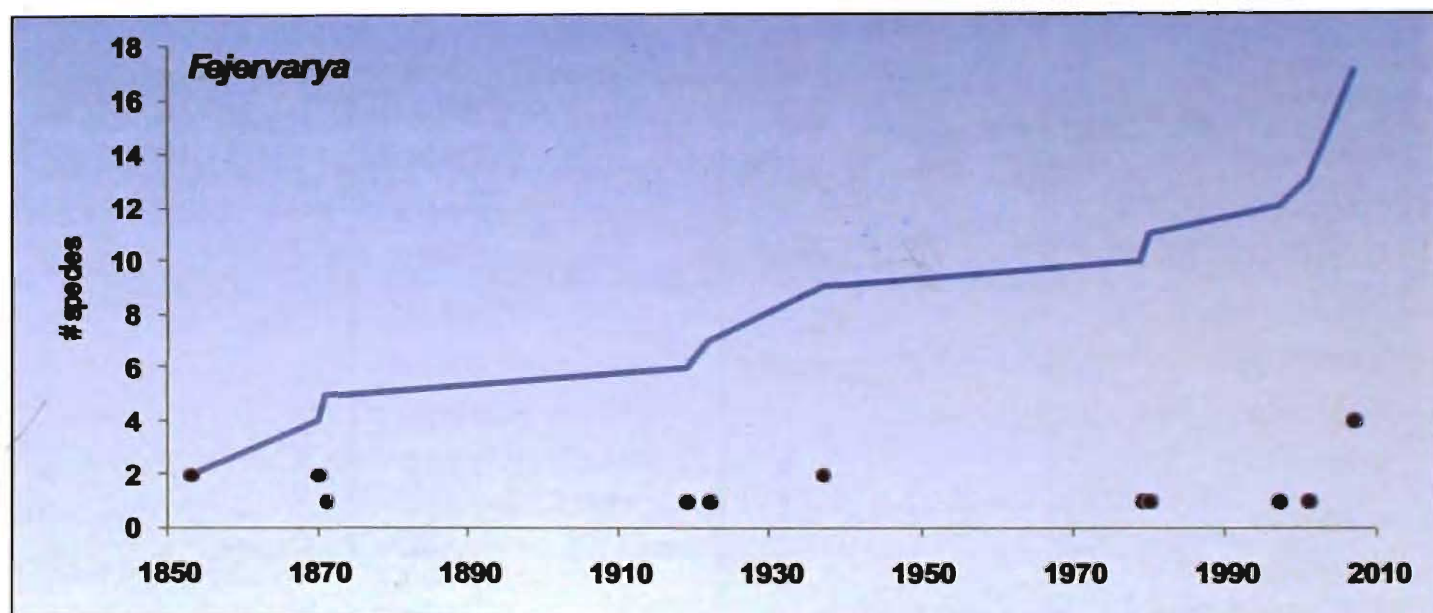


Figure 7. Pattern of species discoveries in the genus *Fejervarya* (dots indicate discovery and line indicates cumulative discovery pattern).

Nyctibatrachus, yet another genus endemic to Western Ghats, shows a peculiar pattern in the discoveries of species (Figure 8). The species of this genus were being discovered on a regular basis over the years but with a leap in the discoveries with 5 species in the last 3 years. Since much debate on the deposited types, damage and neotype designations of the species is going on, this genus obviously needs a thorough revision.

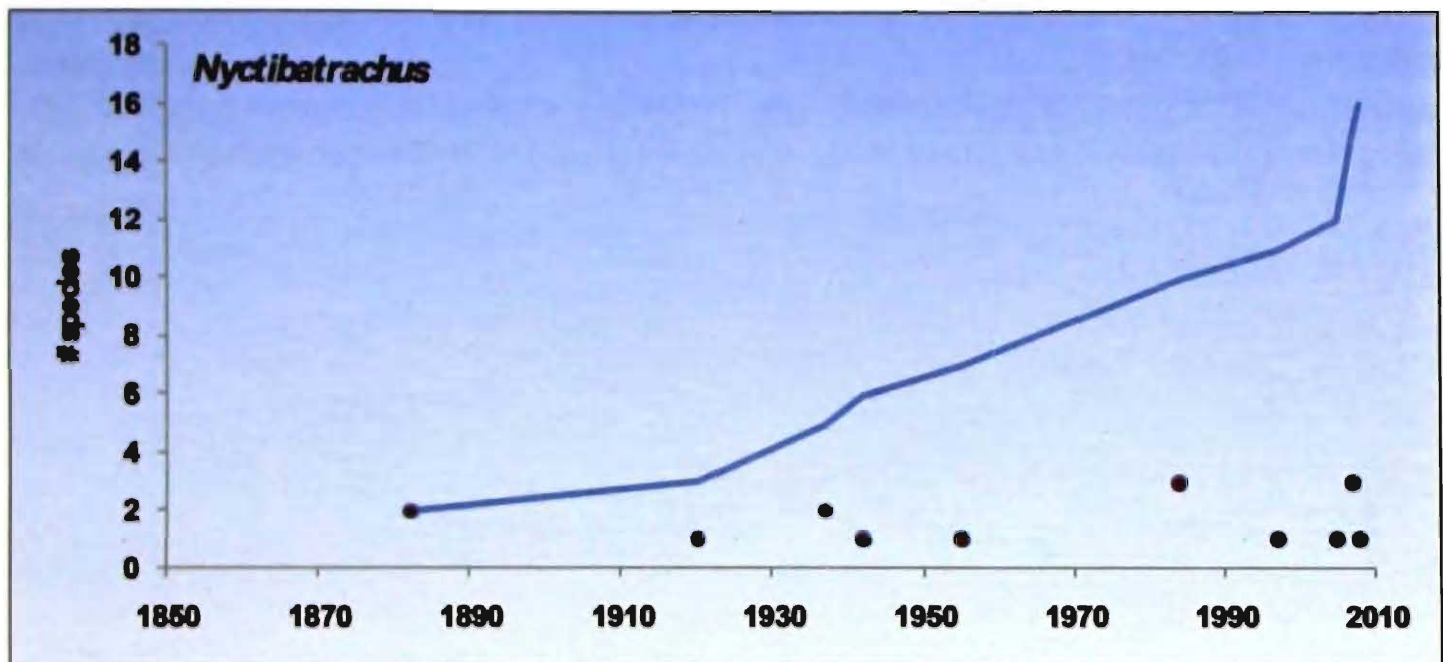


Figure 8. Pattern of species discoveries in the genus *Nyctibatrachus* (dots indicate discovery and line indicates cumulative discovery pattern).

Indirana, a genus endemic to Western Ghats comprises of 10 species, the first of which was discovered in 1875 and the last one in 1986. The pattern of cumulative species-discovery line indicates the possibility of ascending to the saturation limit (Figure 9). The natural history Notes on the species of *Indirana* are very sparse, except for some stray observations on their primitive breeding behaviour 'inguinal amplexus' made (unpublished) by one of the authors of the present work.

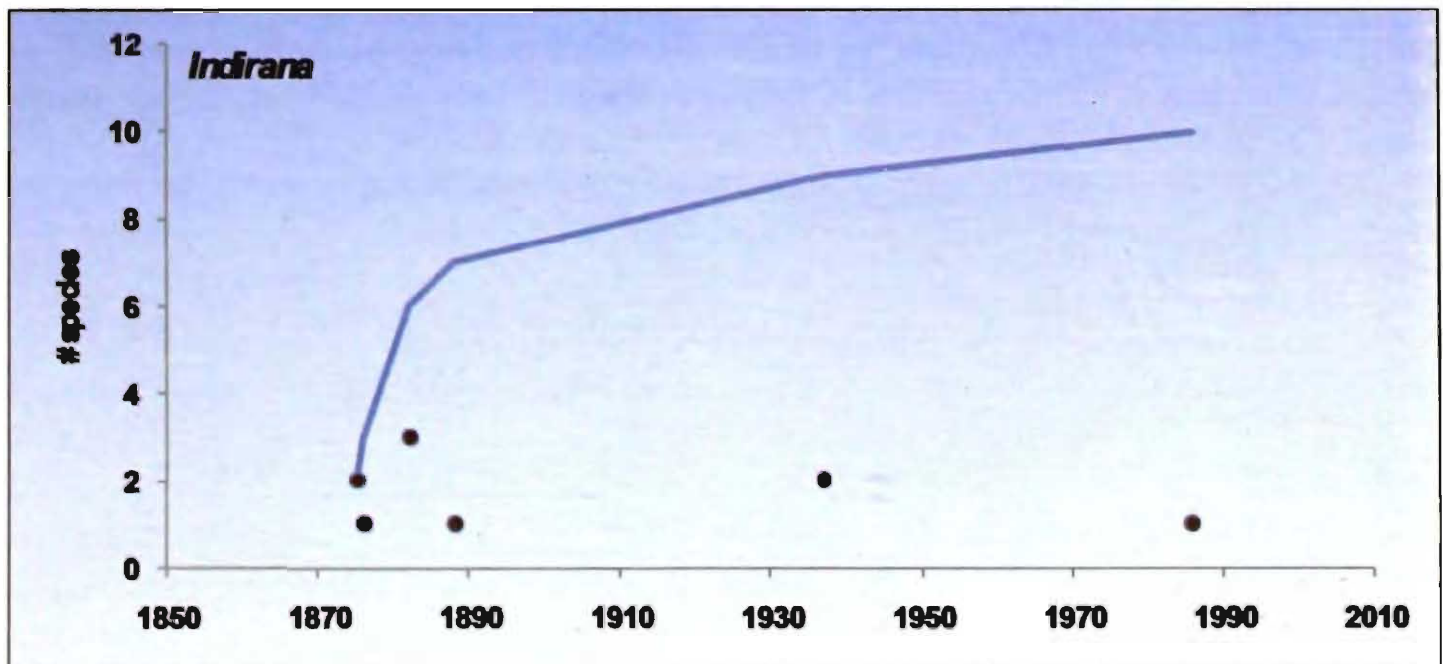


Figure 9. Pattern of species discoveries in the genus *Indirana* (dots indicate discovery and line indicates cumulative discovery pattern).

The genus *Micrixalus*, comprising of 11 species, is also endemic to Western Ghats. Unlike its gradually ascending pattern of cumulative species discoveries reflected in the past, the discovery line currently shows an upward trend (Figure 10), thus suggesting the probability of discovering further more species from the Western Ghats.

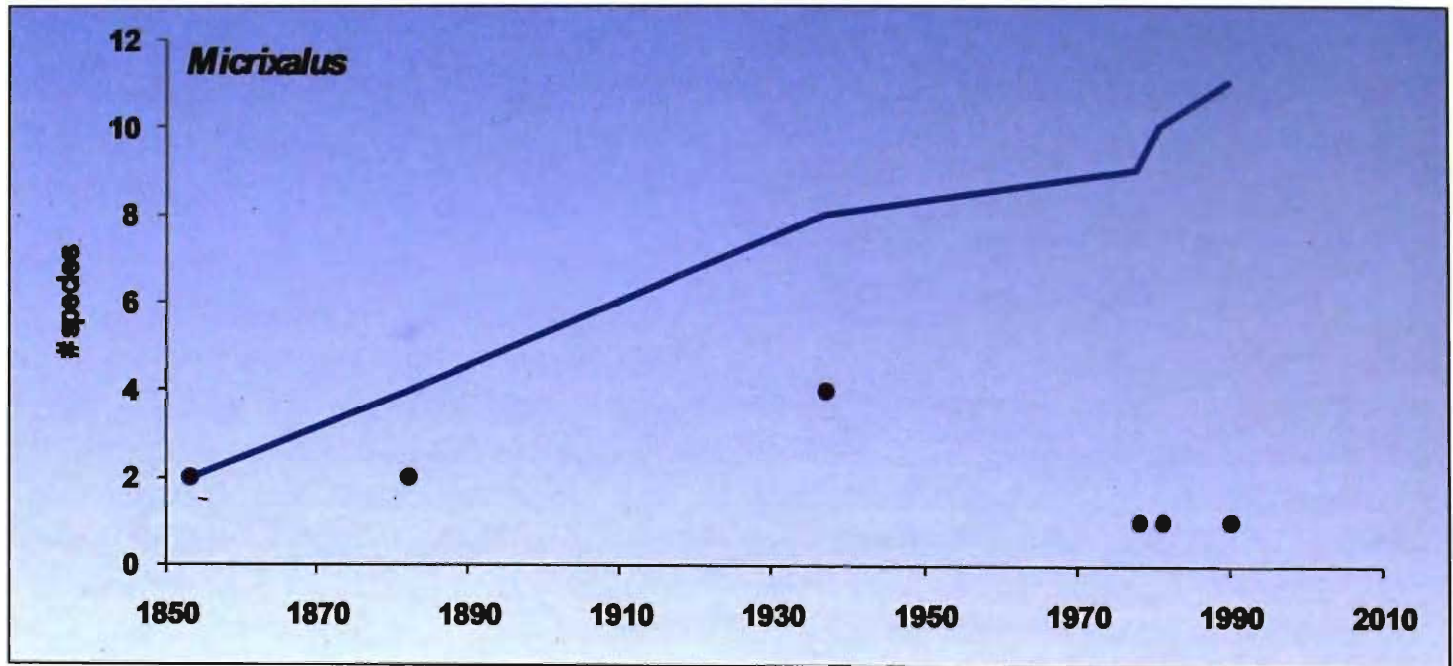


Figure 10. Pattern of species discoveries in the genus *Micrixalus* (dots indicate discovery and line indicates cumulative discovery pattern).

Among the 43 genera of Amphibia known from India, the genus *Philautus* is the most speciose one, with 48 species discoveries credited to the genus. The bulk of the species, 33 out of 48 are described from Western Ghats. True to the species potential of the genus, 12 species of the lot were discovered in the very recent period only, just in the beginning of this year itself. As such, the line of cumulative discovery pattern is marked with a sharp vertical deflection (Figure 11), which

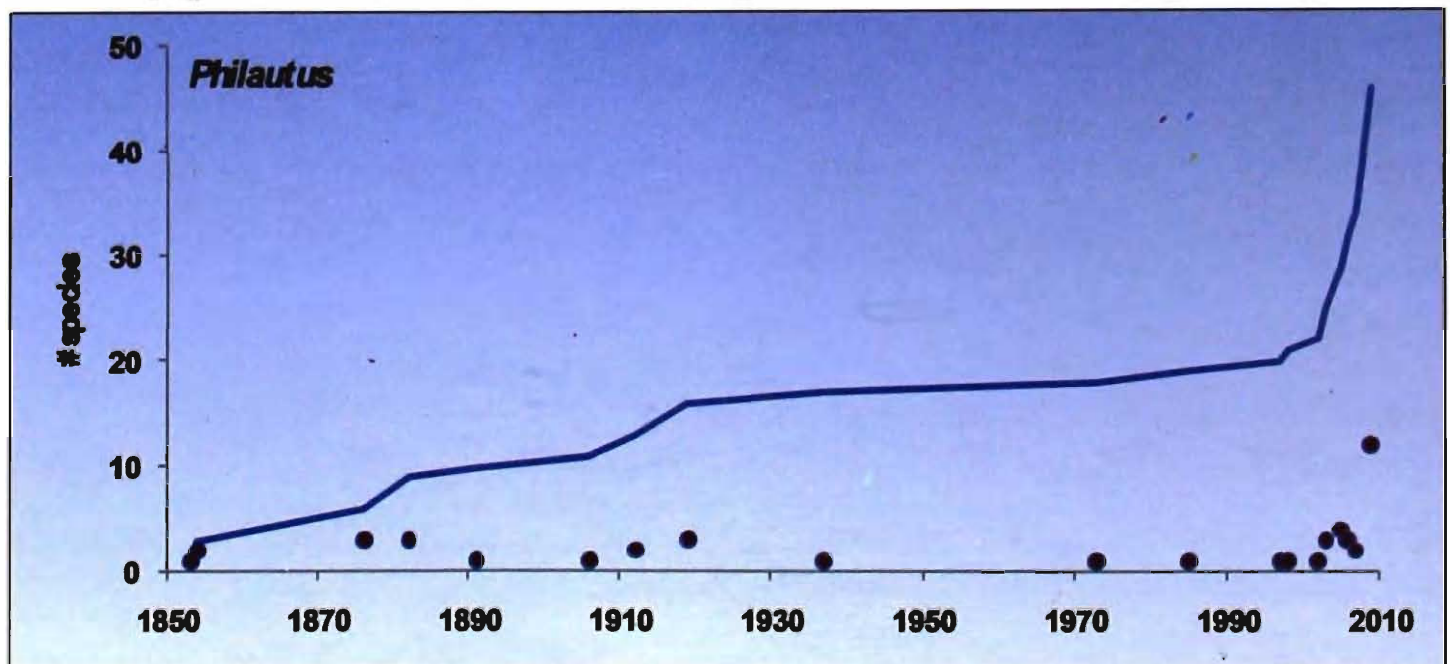


Figure 11. Pattern of species discoveries in the genus *Philautus* (dots indicate discovery and line indicates cumulative discovery pattern).

positively suggests the possibility of discovering further more species new to science under this genus. As a timely coincidence benefiting the amphibian researchers, avoiding much confusion on the Taxonomy of the genus *Philautus*, Bossuyt and Dubois (2001) have revised the genus providing clarity on its taxonomic and biogeographic issues

Similarly, among the Caecilians, the genus *Gegeneophis* provides a scope for further research and discovery of species especially from the Western Ghats (Figure 12). Seven species of this genus were discovered between the years, 2003 to 2007, bringing to light the potential of the genus to investigate and discover further apodans.

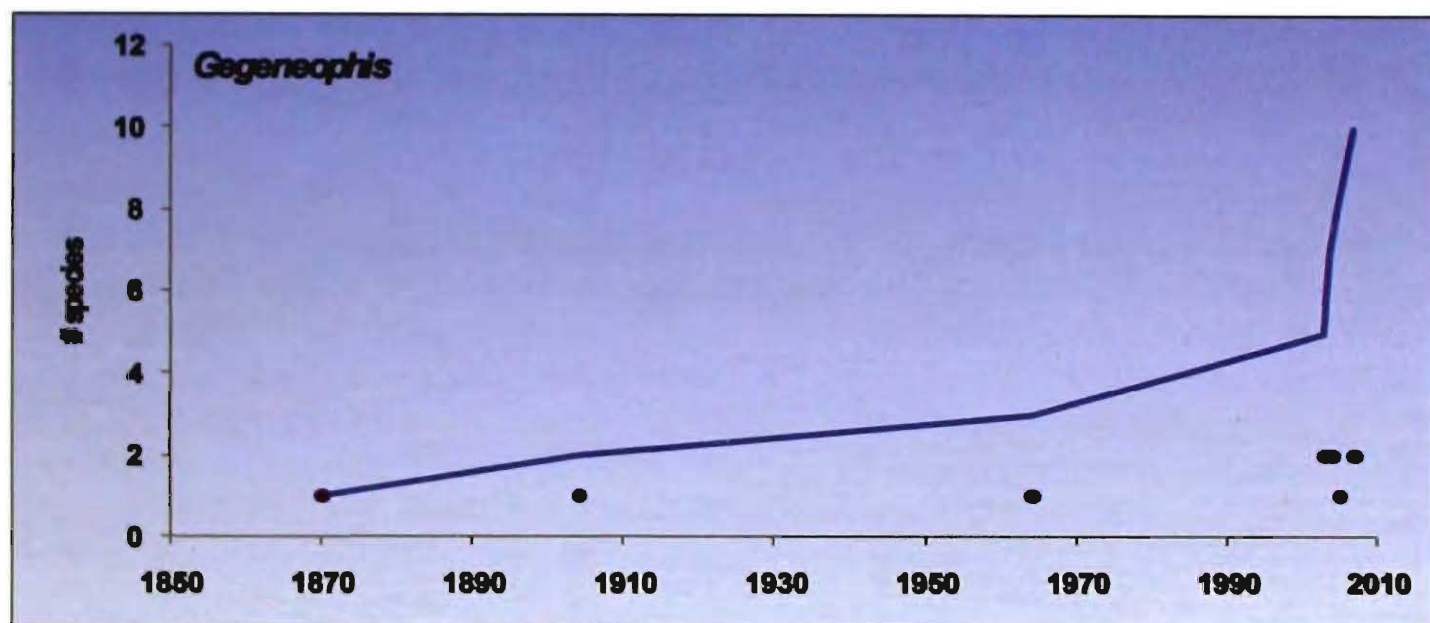


Figure 12. Pattern of species discoveries in the genus *Gegeneophis* (dots indicate discovery and line indicates cumulative discovery pattern).

Given to understand the kind of status of the nearly two century old taxonomic and systematic research on Amphibia that has undergone in India, one could easily perceive that in India a spurt in the discoveries of new taxa in Amphibia has taken place in the recent times, especially since 2000. Biju (2008) views that if the current trend of discovering and describing new taxa from the country continues, occurrence of about 400 species of Amphibia are likely to be realised from India in due course of time. Even though there are differences of opinion among amphibian experts with regard to the amphibian classification, persistent amphibian systematic studies among the researchers are certain to bring out very positive results in the discoveries of many more new taxa from India.

SUMMARY

An annotated checklist of 284 species of amphibians of India accommodated under 50 genera and 14 families is provided. Synonyms, English names, type localities, deposition of Type specimens, Type specimen availability and distributional records in India and Outside India are provided for all the species. Among the 284 species of amphibians from India, 132 are endemic to Western Ghats; 29 to Northeastern India; and 5 to Andaman Nicobar islands.

Species discovery patterns from the various biogeographic zones in India are discussed in detail. Cumulative discovery pattern with special reference to the genera *Fejervarya* (17 species), *Nyctibatrachus* (16 species), *Indirana* (10 species), *Micrixalus* (11 species), *Philautus* (46 species) and *Gegeneophis* (10 species) are also discussed.

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PLATE - I



a. *Nasikabatrachus sahyadrensis*



b. *Fejervarya keralensis*



c. *Nyctibatrachus karnatakensis*



d. *Indirana beddomii*



e. *Micrixalus saxicola*



f. *Philautus ochlandrae*



g. *Gegeneophis carnosus*