

Catalogue of Indian Herpetological Specimens in Thiruvananthapuram Natural History Museum, Kerala, India

S.R. Ganesh^{1*}, A. Vijayalakshmi², P.N. Deepthi²

¹Kalinga Foundation, Guddekeri, Agumbe, Shivamoggha, Karnataka – 577411, India

²Thiruvananthapuram Zoo & Museum, Palayam, Thiruvananthapuram, Kerala – 695033, India

* Corresponding author email: snakeranglerr@gmail.com

CITATION. Ganesh, S.R., Vijayalakshmi, A. and Deepthi, P.N. (2024) Catalogue of Indian Herpetological Specimens in Thiruvananthapuram Natural History Museum, Kerala, India. *Hamadryad*. Vol. 41 (1&2), pp. 1–15.

ABSTRACT. We catalogued entire, fluid-preserved, voucher specimens of native Indian amphibian and reptilian species in the Thiruvananthapuram Natural History Museum (TNHM), Kerala, India. We inventoried and found a total of 152 species, comprising of one caecilian, 96 anurans, 11 saurians, 44 serpents and three chelonians. There are a few recently deposited or described primary and secondary types of some rhacophorid frogs (*Ghatixalus*, *Mercurana*, *Raorchestes*) and gekkonid lizards (*Cnemaspis*), while most others are non-type specimens. The collections almost wholly come from Kerala, including both historical and recently deposited materials. A few materials are those procured by exchange, or purchased or collected from elsewhere in India (e.g. Pondicherry; Tamil Nadu). Most of the recent collections are anurans collected by two noted batrachologists Sujith V. Gopalan and Anil Zachariah and their parties. Most of the snake and a few lizard collections were century old historical material collected from Thiruvananthapuram by a pioneering naturalist H.S. Ferguson.

KEYWORDS. Ferguson, Gekkonidae, historical specimens, Rhacophoridae, Serpentes, type specimens

Introduction

Natural history museums in India have been pivotal institutions for biodiversity discovery and research. In the Indian scenario, studies on herpetofauna perhaps beat all other vertebrate group explorations in bringing out the most number of new systematic discoveries in this century (Dubois 1999; Das 2003). Yet, we have perhaps known more about Indian herpetological material in repositories outside India (Hubrecht 1882; Boulenger 1890; Bauer 1998; Gill and Froggatt 2014) than those housed in the country (Theobald 1876; Sclater 1891; Phipson 1888). Post independence, many works have engaged with and enriched such natural history collection repositories. The most important of the country's repositories — the Bombay Natu-

ral History Society, Mumbai and the Zoological Survey of India, Kolkata have had their herpetological type collections catalogued (Das and Chaturvedi 1998; Das et al. 1998; Chanda et al. 2000; Das and Gayen 2004). Later, studies focussing on smaller, regional museums and their overall herpetological holdings, including non-types, were conducted. Such stock-takings were performed at the Govt. Museum Chennai (Ganesh and Asokan 2010), the Salim Ali Centre for Ornithology & Natural History (Ganesh et al. 2020; Chandramouli et al. 2021), St. Joseph's College Kozhikode (Zacharias and Bose 2020), Kerala Agricultural University Natural History Museum (Nameer et al. 2021) and the Chennai Snake Park Museum (Ganesh 2021).

One such historical, regional museum in the country is the Thiruvananthapuram Natural History Museum in Kerala (TNHM). It was started during 1852–55 by the joint efforts of many people, notably J. Allen Brown, ex. Director of Thiruvananthapuram Observatory, Gen. Cul- len, a British Resident and the Travancore King Utharam Thirunal. The museum was thrown open to the public in 1857, as was a zoo annexed to it in 1859. Soon, other members such as Col. Heber Drury, Col. Ketchen, Sir William Flower, and the Scottish zoologist H.S. Ferguson, joined and contributed greatly to its honing. By 1880, a new building designed by Robert Chisholm, architect to the Governor of Madras, was constructed and the museum was shifted there, where it lies now (Anon. 1899). Recently, scientists who studied new species of amphibians and reptiles have deposited their new taxa's primary and secondary type specimens in TNHM (also see Sabaj 2020). These include studies on new bush frogs of the genus *Raorchestes* (Abraham et al. 2014), tree frogs of the genera *Mercurana*, *Ghatixalus* (Abraham et al. 2013; Zachariah et al. 2016), night frogs of the genus *Nyctibatrachus* (Abraham et al. 2022) and day geckoes of the genus *Cnemaspis* (Cyriac et al. 2014), making it a notable museum. Against this backdrop, we furnish the catalogue of herpetological holdings of the Thiruvananthapuram Natural History Museum.

Material and Methods

We here enlisted all fluid-preserved (both spirit and formalin), entire, herpetological voucher specimens representing native Indian species. We meticulously gleaned and furnished all hand-written jar label information alongside each specimen, to the best extent possible. Each entry gave the following basic information: species name, specimen registration number, number of specimens accessioned under that number in the jar, locality from where it was collected (wherever known or deducible), collector name(s), and any other important scientific remarks of interest.

Taxonomic identities of the non-type specimens were re-checked with their collectors and their claimed identities in case of recent ones, and as mentioned in jar labels in case of historical ones. We independently re-checked the

same while consulting standard reference books (Daniel 2002; Das 2002; Whitaker & Captain 2004; Daniels 2005; Gururaja 2012; Ganesh 2015), updated with latest compilations on amphibians (Dinesh et al. 2024) and reptiles (Mohapatra et al. 2024).

The type specimens' identities were ascertained by tallying with the respective original description papers (Abraham et al. 2013, 2014; Cyriac et al. 2014; Zachariah et al. 2016). Most of the newly collected material, including the display collection and the reserve collection had jar label names in conformity with what is now in vogue and are hence not repeated here, except where sufficiently different. Names of those historical specimens that had jar labels furnishing currently-obsolete names were given here.

After comparing what was written in their jar labels, we updated the species names of amphibians following Frost (2024), and reptiles following Uetz et al. (2024), though not necessarily following their taxonomies. Museum acronym TNHM followed Sabaj (2020); collection code H – denotes herpetofauna. In some cases, for denoting multiple specimens accessioned together under a number, alphabets were used to discern individual specimens in that lot. Collector abbreviations: AZ: Anil Zachariah, HSF: Harold Stuart Ferguson (1851–1921), SVG: Sujith V. Gopalan, VPC: Vivek Phillip Cyriac, UKP: Umesh K Pavukandy.

Species Catalogue

Amphibia Anura

Bufo

1. *Blairia ornata* (Günther, 1876)

Material:

- TNHM(H) 12.6.18.128 Coll. AZ

2. *Duttaphrynus beddomii* (Günther, 1876)

Material:

- TNHM(H) 12.6.18.125 Coll. AZ

3. *Duttaphrynus melanostictus* (Schneider, 1799)

Material:

- TNHM(H) 12.6.18.123 Coll. AZ

4. *Duttaphrynus parietalis* (Boulenger, 1882)**Material:**

- TNHM(H) 12.6.18.124 Coll. AZ

5. *Duttaphrynus scaber* (Schneider, 1799)**Material:**

- TNHM(H) 13.7.06/87 Coll. AZ

6. *Pedostibes tuberculosus* (Günther, 1876)**Material:**

- TNHM(H) 13.7.06/95,
- TNHM(H)12.6.18.117 Coll. AZ

Dicroglossidae7. *Phrynoderma hexadactylum* (Lesson, 1834)**Material:**

- TNHM(H) 5949.125 Pondicherry, Tamil Nadu, Coll. SVG;
- TNHM(H) 5951.149 Pondicherry, Tamil Nadu, Coll. SVG

8. *Phrynoderma karaavali* (Priti, Naik, Seshadri, Singal, Vidisha, Ravikanth, and Gururaja, 2016)**Material:**

- TNHM(H) 5910.151;
- TNHM(H) 5919;
- TNHM(H) 5921.150;
- TNHM(H) 5910.151;
- TNHM(H) 5950.123,
- TNHM(H) 5951.149;
- TNHM(H) 6215.154;
- TNHM(H) 6216.156;
- TNHM(H) 6217.153;
- TNHM(H) 6218.157;
- TNHM(H) 5922.160;
- TNHM(H) 5795.127 Nenmara, Palakkad, Coll. SVG

9. *Hoplobatrachus tigerinus* (Daudin, 1802)**Material:**

- TNHM(H) 118 Thiruvananthapuram, Coll. HSF;
- TNHM(H) 5226.155 Kannur, Coll. SVG;
- TNHM(H) 5794.152 Jagathy, Thiruvananthapuram, Coll. SVG;
- TNHM(H) 5795 Nenmara, Palakkad, Coll. SVG

10. *Minervarya agricola* (Jerdon, 1853)**Material:**

- TNHM(H) 5717.112 Punchakari, Thiruvananthapuram, Coll. SVG;
- TNHM(H) 5726.145 Punchakari, Thiruvananthapuram, Coll. SVG

11. *Minervarya nilagirica* (Jerdon, 1853)**Material:**

- TNHM(H) 5755.141,
- TNHM(H) 5755.101,
- TNHM(H) 5775.161 Devikulam, Harrison Estate, Munnar, Coll. SVG;
- TNHM(H)12.6.18.111 Coll. AZ

12. *Minervarya sahyadris* Dubois, Ohler & Biju, 2001**Material:**

- TNHM(H)12.6.18.110 Coll. AZ

Micrixalidae13. *Micrixalus adonis* Biju, Garg, Gururaja, Shouche and Walujkar, 2014**Material:**

- TNHM(H) 5790.144 Gavi, Pathanamthitta, Coll. SVG;
- TNHM(H) 5791.121 Munnar, Idukki, Coll. SVG

14. *Micrixalus frigidus* Biju, Garg, Gururaja, Shouche and Walujkar, 2014**Material:**

- TNHM(H) MIC105.108 Eravikulam, Munnar, Coll. SVG

15. *Micrixalus fuscus* (Boulenger, 1882)**Material:**

- TNHM(H) 13.7.06/93 Coll. AZ

16. *Micrixalus saxicola* (Jerdon, 1853)**Material:**

- TNHM(H) MC 101.165 Kakadampoyil, Coll. SVG;
- TNHM(H) MC 102.116 Kakadampoyil, Coll. SVG

Microhylidae17. *Melanobatrachus indicus* Beddome, 1878**Material:**

- TNHM(H) 12.6.18.114 Coll. AZ

18. *Microhyla rubra* (Jerdon, 1853)

Material:

- TNHM(H) 13.7.06/97 a, b;
- TNHM(H) 12.6.18.116 Coll. AZ

19. *Mysticellus franki* Garg & Biju, 2019

Material:

- TNHM(H) 13.7.06/91 Pulpally, Coll. AZ, labeled as *Micryletta aishani*

20. *Uperodon systoma* (Schneider, 1799)

Material:

- TNHM(H) 12.6.18.109 Coll. AZ

21. *Uperodon taprobanicus* (Parker, 1934)

Material:

- TNHM(H) 13.7.06/92 Coll. AZ;
- TNHM(H) 5667.107 Pookode, Wayanad, Coll. SVG;
- TNHM(H) 105 Kozhikode, Coll. SVG

22. *Uperodon triangularis* (Günther, 1876)

Material:

- TNHM(H) 5677.110 Sulthan Bathery, Wayanad Coll. SVG;
- TNHM(H) UD105.163, 105.139 Pookode, Wayanad, Coll. SVG

23. *Uperodon variegatus* (Stoliczka, 1872)

Material:

- TNHM(H) 13.7.06/86 Palakkad, Coll. AZ

Nasikabatrachidae

24. *Nasikabatrachus sahyadrensis* Biju & Bossuyt, 2003

Material:

- TNHM(H) 12 Kollam;
- TNHM(H) 12.6.18.115 Coll. AZ

Nyctibatrachidae

25. *Nyctibatrachus aliciae* Inger, Shaffer, Koshy, and Bakde, 1984

Material:

- TNHM(H) 5582.142 Shendurney, Kollam, Coll. SVG;
- TNHM(H) 12.6.18.118 Coll. AZ;

- TNHM(H) NY3, TNHM(H) NY5 Ponnudi, Thiruvananthapuram Coll. RKA

26. *Nyctibatrachus major* (Boulenger, 1882)

Material:

- TNHM(H) NY103.140, Coll. SVG;
- TNHM(H) NY104.158 Shendurney Coll. SVG;
- TNHM(H) 12.6.18.121 Coll. AZ;
- TNHM(H) 5686.147 Coll. SVG;
- TNHM(H) NY104 Shendurney Coll. SVG

27. *Nyctibatrachus periyar* Biju, Van Bocxlaer, Mahony, Dinesh, Radhakrishnan, Zachariah, Giri and Bossuyt, 2011

Material:

- TNHM(H) 5788 Gavi, Pathanamthitta, Coll. SVG;
- TNHM(H) NY6 Uppukunnu, Idukki Coll. RKA

28. *Nyctibatrachus poocha* Biju, Van Bocxlaer, Mahony, Dinesh, Radhakrishnan, Zachariah, Giri and Bossuyt, 2011

Material:

- TNHM(H) 5811.124 Devikulam, Idukki, Coll. SVG

29. *Nyctibatrachus vasanthi* Ravichandran, 1997

Material:

- TNHM(H) 12.6.18.120 Coll. AZ

30. *Nyctibatrachus vrijeuni* Biju, Van Bocxlaer, Mahony, Dinesh, Radhakrishnan, Zachariah, Giri and Bossuyt, 2011

Material:

- TNHM(H) 5120.146 Aaralam Coll. SVG;
- TNHM(H) 12.6.18.119 Coll. AZ

Ranidae

31. *Hylarana aurantiaca* (Boulenger, 1904)

Material:

- TNHM(H) 5716.115 Punchakari, Thiruvananthapuram, Coll. SVG

32. *Hylarana magna* Biju, Garg, Mahony, Wijayathilaka, Senevirathne, and Meegas-kumbura, 2014

Material:

- TNHM(H) 5793.126 Kochupamba, Kottayam, Coll. SVG

33. *Hylarana sreeni* Biju, Garg, Mahony, Wijayathilaka, Senevirathne, and Meegas-kumbura, 2014

Material:

- TNHM(H) INS 102 Coll. SVG

Ranixalidae

34. *Indirana brachytarsus* (Günther, 1876)

Material:

- TNHM(H) 1718.162 Kallandichal, Vallakadavu, Periyar, Coll. SVG;
- TNHM(H) IND 974.111 Ponmudi, Thiruvananthapuram, Coll. SVG

35. *Indirana paramakri* Garg & Biju, 2016

Material:

- TNHM(H) IN108.113 Anakampoyil, Kozhikode, Coll. SVG

36. *Indirana yadera* Dahanukar, Modak, Kru-
tha, Nameer, Padhye, and Molur, 2016

Material:

- TNHM(H) IND1721.128 Kochupamba, Idukki, Coll. SVG

Rhacophoridae

37. *Beddomixalus bijui* (Zachariah, Dinesh, Radhakrishnan, Kunhikrishnan, Palot, and Vishnudas, 2011)

Material:

- TNHM(H) 12.6.18/57 Kadalar, Idukki, Coll. AZ

38. *Ghatixalus asterops* Biju, Roelants, and Bossuyt, 2008

Material:

- TNHM(H) 12.6.18/68 Coll. AZ;
- TNHM(H) 13.7.06/96 Coll. AZ

39. *Ghatixalus magnus* Abraham, Mathew, Cyriac, Zachariah, Raju, and Zachariah, 2015

Material:

- TNHM(H) 15.5.20/80 (Holotype) Kadalar, Idukki, Coll. AZ;
- TNHM(H) 14.8.01/81 (Paratype) Kadalar, Idukki, Coll. RA

40. *Ghatixalus variabilis* (Jerdon, 1853)

Material:

- TNHM(H) 12.6.18/67a,b Coll. AZ

41. *Mercurana myristicapalustris* Abraham, Pyron, Ansil, Zachariah, and Zachariah, 2013

Material:

- TNHM(H) 12.6.18/69 (Holotype) Arip-
pa, Kulathupuzha, Coll. AZ;
- TNHM(H) 12.6.18/70, 74 Arip-
pa, Kulathupuzha, Coll. AZ;
- TNHM(H) RA115.109 Vazhachal,
Thrissur, Coll. SVG

42. *Polypedates maculatus* (Gray, 1830)

Material:

- TNHM(H) 5711.104 Edakkad,
Kozhikode, Coll. SVG;
- TNHM(H) 6222.143 Pullode, Palakkad
Coll. SVG;
- TNHM(H) 12.6.18/60 Coll. AZ

43. *Polypedates pseudocruciger* Das & Ravi-
chandran, 1998

Material:

- TNHM(H) 5693.138 Kallarkutty, Iduk-
ki, Coll. SVG;
- TNHM(H) 5694.136 Kallarkutty, Iduk-
ki, Coll. SVG;
- TNHM(H) 12.6.18/58/59 Coll. AZ;
- TNHM(H) 12.6.18.112 Coll. AZ

44. *Pseudophilautus amboli* (Biju and
Bossuyt, 2009)

Material:

- TNHM(H) 12.6.18/03 Coll. AZ

45. *Pseudophilautus kani* (Biju and Bossuyt,
2009)

Material:

- TNHM(H) 12.6.18/01 Coll. AZ;
- TNHM(H) RA123.117 Ponmudi, Thiru-
vnanthapuram, Coll. SVG;

- TNHM(H) RA124 Ponmudi, Thiruvananthapuram, Coll. SVG;
 - TNHM(H) 12.6.18/02 Coll. AZ;
 - TNHM(H)12.6.18.113 Coll. AZ
46. *Pseudophilautus wynaadensis* (Jerdon, 1853)
Material:
- TNHM(H) 13.7.06/88 Kalyetta, Coll. AZ;
 - TNHM(H) RA109.126 Pookode, Wayanad, Coll. SVG;
 - TNHM(H) RA110.127 Pookode, Wayanad, Coll. SVG;
 - TNHM(H) RA111.128 Pookode, Wayanad, Coll. SVG;
 - TNHM(H) RA112.129 Pookode, Wayanad, Coll. SVG;
 - TNHM(H) PA 120 Coll. SVG;
 - TNHM(H) RA116.131 Kozhimala, Idukki, Coll. SVG;
 - TNHM(H) RA117.119 Kozhimala, Idukki, Coll. SVG;
 - TNHM(H) RA118.132 Kozhimala, Idukki, Coll. SVG;
 - TNHM(H) RA121.133 Kozhimala, Idukki, Coll. SVG
47. *Raorchestes anili* (Biju and Bossuyt, 2009)
Material:
- TNHM(H) PHY 227.164 Kozhimala, Coll. SVG;
 - TNHM(H) 12.6.18/04/05 Coll. AZ;
 - TNHM(H) 12.6.18/24 Coll. AZ;
 - TNHM(H) RA113.130 Pookode, Wayanad, Coll. SVG;
 - TNHM(H)12.6.18.107 Coll. AZ
48. *Raorchestes agasthyaensis* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot, and Kalesh, 2011
Material:
- TNHM(H) 12.6.18/11 Coll. AZ
49. *Raorchestes akroparallagi* (Biju and Bossuyt, 2009)
Material:
- TNHM(H) 12.6.18/13 Coll. AZ
50. *Raorchestes archeos* Vijayakumar, Dinesh, Prabhu and Shanker, 2014
Material:
- TNHM(H) 12.6.18/36 Coll. AZ
51. *Raorchestes beddomii* (Günther, 1876)
Material:
- TNHM(H) 13.7.06/94 a, b Munnar, Coll. AZ;
 - TNHM(H) RA108.125 Munnar, Idukki, Coll. SVG;
 - TNHM(H) 12.6.18/22 Coll. AZ;
 - TNHM(H) RA252.120 Pandipath, Thiruvananthapuram, Coll. SVG
52. *Raorchestes bobingeri* (Biju and Bossuyt, 2009)
Material:
- TNHM(H) 12.6.18/14 Coll. AZ
53. *Raorchestes bombayensis* (Annandale, 1919)
Material:
- TNHM(H) 12.6.18/42 Coll. AZ
54. *Raorchestes chalazodes* (Günther, 1876)
Material:
- TNHM(H) 12.6.18/09 Coll. AZ
55. *Raorchestes charius* (Rao, 1937)
Material:
- TNHM(H) 12.6.18/37/38 Coll. AZ;
 - TNHM(H) 13.7.06/85 Chembra Coll. AZ;
 - TNHM(H)12.6.18.106 Coll. AZ
56. *Raorchestes chlorosomma* (Biju and Bossuyt, 2009)
Material:
- TNHM(H) 12.6.18/27 Coll. AZ;
 - TNHM(H)12.6.18.103 Coll. AZ
57. *Raorchestes chotta* (Biju and Bossuyt, 2009)
Material:
- TNHM(H) 12.6.18/30 Coll. AZ
58. *Raorchestes chromasynchysi* (Biju and Bossuyt, 2009)
Material:

- TNHM(H) 12.6.18/34/35 Coll. AZ;
 - TNHM(H)12.6.18.127 Coll. AZ
59. *Raorchestes coonoorensis* (Biju and Bossuyt, 2009)
Material:
 • TNHM(H) 12.6.18/40 Coll. AZ
60. *Raorchestes crustai* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot and Kalesh, 2011
Material:
 • TNHM(H) 12.6.18/21 Coll. AZ;
 • TNHM(H)12.6.18.101 Coll. AZ
61. *Raorchestes drutaahu* Garg, Suyesh, Das, Bee and Biju, 2021
Material:
 • TNHM(H) PHY 243.122 Periyar, Pachakanam, Coll. SVG
62. *Raorchestes dubois* (Biju and Bossuyt, 2006)
Material:
 • TNHM(H) 12.6.18/23 Coll. AZ;
 • TNHM(H) 5668.105 Devikulam, Idukki, Coll. SVG;
 • TNHM(H)12.6.18.104 Coll. AZ
63. *Raorchestes flaviocularis* Vijayakumar, Dinesh, Prabhu and Shanker, 2014
Material:
 • TNHM(H) 12.6.18/44, 45 Coll. AZ
64. *Raorchestes flaviventris* (Boulenger, 1882)
Material:
 • TNHM(H) 12.6.18/47a,b Kadalar, Idukki, Coll. AZ
65. *Raorchestes glandulosus* (Jerdon, 1853)
Material:
 • TNHM(H) 12.6.18/16 Coll. AZ
66. *Raorchestes graminirupes* (Biju and Bossuyt, 2005)
Material:
 • TNHM(H) 12.6.18/17/18 Coll. AZ
67. *Raorchestes griet* (Bossuyt, 2002)
Material:
- TNHM(H) 12.6.18/39 Coll. AZ
68. *Raorchestes jayarami* (Biju and Bossuyt, 2009)
Material:
 • TNHM(H) 12.6.18/15 Coll. AZ;
 • TNHM(H)12.6.18.108 Coll. AZ
69. *Raorchestes johnceei* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot and Kalesh, 2011
Material:
 • TNHM(H) 12.6.18/50 Coll. AZ
70. *Raorchestes kadalorensis* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot and Kalesh, 2011
Material:
 • TNHM(H) 12.6.18/12 Coll. AZ
71. *Raorchestes kaikatti* (Biju and Bossuyt, 2009)
Material:
 • TNHM(H) 12.6.18/07 Coll. AZ
72. *Raorchestes kakachi* Seshadri, Gururaja and Aravind, 2012
Material:
 • TNHM(H) 12.6.18/08 Coll. AZ;
 • TNHM(H)12.6.18.105 Coll. AZ
73. *Raorchestes lechia* Zachariah, Cyriac, Chandramohan, Ansil, Mathew, Raju and Abraham, 2016
Material:
 • TNHM(H) 12.6.18/55 (Holotype) Sisparr, Silent Valley, Coll. AZ;
 • TNHM(H) 12.6.18/56 (Paratype) Sisparr, Silent Valley, Coll. AZ
74. *Raorchestes luteolus* (Kuramoto and Joshy, 2003)
Material:
 • TNHM(H) 12.6.18/29 Coll. AZ
75. *Raorchestes manohari* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot and Kalesh, 2011
Material:
 • TNHM(H) 12.6.18/48 Coll. AZ

76. *Raorchestes marki* (Biju and Bossuyt, 2009)
Material:
 • TNHM(H) RA122.102 Kozhimala, Idukki, Coll. SVG
77. *Raorchestes munnarensis* (Biju and Bossuyt, 2009)
Material:
 • TNHM(H) 12.6.18/25 Coll. AZ
78. *Raorchestes nerostagana* (Biju and Bossuyt, 2005)
Material:
 • TNHM(H) 12.6.18/19/20 Coll. AZ
79. *Raorchestes ochlandrae* (Gururaja, Dinesh, Palot, Radhakrishnan, and Ramachandra, 2007)
Material:
 • TNHM(H) RA101.123 Ponmudi, Thiruvananthapuram, Coll. SVG;
 • TNHM(H) RA102.124 Pookode, Wayanad, Coll. SVG;
 • TNHM(H) RA103.118 Pookode, Wayanad, Coll. SVG;
 • TNHM(H) RA241.135 Vazhachal, Thrissur, Coll. SVG;
 • TNHM(H) 12.6.18/10 Coll. AZ
80. *Raorchestes ponmudi* (Biju and Bossuyt, 2005)
Material:
 • TNHM(H) RA104.114 Nedumkandam, Idukki, Coll. SVG
81. *Raorchestes ravii* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot and Kalesh, 2011
Material:
 • TNHM(H) 12.6.18/41 Coll. AZ
82. *Raorchestes resplendens* Biju, Shouche, Dubois, Dutta and Bossuyt, 2010
Material:
 • TNHM(H) 12.6.18/26 Coll. AZ
83. *Raorchestes signatus* (Boulenger, 1882)
Material:
 • TNHM(H) 12.6.18/31 Coll. AZ;
 • TNHM(H) 13.7.06/89 Coll. AZ
84. *Raorchestes silentvalley* Zachariah, Cyriac, Chandramohan, Ansil, Mathew, Raju and Abraham, 2016
Material:
 • TNHM(H) 12.6.18/54 (Paratype) Sisparr, Silent Valley, Coll. AZ;
 • TNHM(H) 12.6.18/53 (Holotype) Sisparr, Silent Valley, Coll. AZ
85. *Raorchestes sushili* (Biju and Bossuyt, 2009)
Material:
 • TNHM(H) 12.6.18/06 Coll. AZ
86. *Raorchestes tinniensi* (Jerdon, 1853)
Material:
 • TNHM(H) 12.6.18/32/33 Coll. AZ;
 • TNHM(H) 12.6.18.102 Coll. AZ
87. *Raorchestes travancoricus* (Boulenger, 1891)
Material:
 • TNHM(H) 12.6.18/28 Coll. AZ
88. *Raorchestes tuberothumerus* (Kuramoto and Joshy, 2003)
Material:
 • TNHM(H) 12.6.18/43 Coll. AZ
89. *Raorchestes uthamani* Zachariah, Dinesh, Kunhikrishnan, Das, Raju, Radhakrishnan, Palot and Kalesh, 2011
Material:
 • TNHM(H) 12.6.18/49 Coll. AZ
90. *Tamixalus calcadensis* (Ahl, 1927)
Material:
 • TNHM(H) 13.7.06/90 Coll. AZ;
 • TNHM(H) 12.6.18/66 Coll. AZ
91. *Rhacophorus lateralis* Boulenger, 1883
Material:
 • TNHM(H) 5674.137 Pookode, Wayanad, Coll. SVG;
 • TNHM(H) 5675.106 Pookode, Wayanad, Coll. SVG;
 • TNHM(H) 12.6.18/64/65 Coll. AZ
92. *Rhacophorus malabaricus* Jerdon, 1870
Material:

- TNHM(H) 119, Kallar, Coll. HSF; 12.6.18/61 Coll. AZ

93. *Rhacophorus pseudomalabaricus* Vasudevan and Dutta, 2000

Material:

- TNHM(H) 12.6.18/63 Coll. AZ

Gymnophiona

Ichthyophiidae

94. *Uraeotyphlus bombayensis* (Taylor, 1960)

Material:

- TNHM(H) 101, Thiruvananthapuram, Coll. unknown

Reptilia Squamata

Gekkonidae

95. *Cnemaspis kottiyorensis* Cyriac and Umesh, 2014

Material:

- TNHM(H) 13.7.06/80 (Holotype) Perumalmudi, Kottiyoor, Coll. VPC;
- TNHM(H) 13.7.06/81 (Paratype) Perumalmudi, Kottiyoor, Coll. VPC;
- TNHM(H) 13.7.06/82 (Paratype) Chandanathodu, Periya, Coll. VPC, UPK;
- TNHM(H) 13.7.06/83 (Paratype) Makimala, Wayanad, Coll. VPC

96. *Cnemaspis wynadensis* (Beddome, 1870)

Material:

- TNHM(H) 13.7.06/84 Sugandhagiri, Wayanad, Coll. VPC

Agamidae

97. *Calotes calotes* (Linnaeus, 1758)

Material:

- TNHM(H) 115, Thiruvananthapuram, Coll. HSF in Sept. 1888, labeled "*Calotes ophiomachus*"

98. *Calotes grandisquamis* Günther, 1875

Material:

- TNHM(H) 114, Ponmudi, Thiruvananthapuram, Coll. HSF in Jan. 1891

99. *Calotes nemoricola* Jerdon, 1853

Material:

- TNHM(H) 112, Kallar, Thiruvananthapuram, Coll. HSF in Sept. 1891

100. *Calotes versicolor* (Daudin, 1803)

Material:

- TNHM(H) 113 (2 ex.), Thiruvananthapuram, Coll. HSF

101. *Salea anamallayana* (Beddome, 1878)

Material:

- TNHM(H) 107 (2 ex.) High Range, Coll. HW Turner in May 1891

102. *Psammophilus cf. dorsalis* (Gray, 1831)

Material:

- TNHM(H) 111 (2 ex.) Kallar, Coll. HSF

Chamaeleonidae

103. *Chamaeleo zeylanicus* Laurenti, 1768

Material:

- TNHM(H) 108, 109, Thiruvananthapuram, Coll. HSF in Sept. 1891, 8/1/1956 in zoo,

Scincidae

104. *Sphenomorphus dussumieri* (Duméril and Bibron, 1839)

Material:

- TNHM(H) 110 (2 ex.) Thiruvananthapuram, Coll. HSF, labeled "*Lygosoma dussumieri*"

Varanidae

105. *Varanus bengalensis* (Daudin, 1802)

Material:

- TNHM(H) 116, 117, Thiruvananthapuram, Coll. HSF; from Samagooling Coll. Capt. Butler

Typhlopidae

106. *Indotyphlops braminus* (Daudin, 1803)

Material:

- TNHM(H) 157, Thiruvananthapuram, Coll. HSF, labeled "*Typhlops braminus*"

107. *Grypotyphlops acutus* (Duméril and Bibron, 1844)

Material:

- TNHM(H) 168, Thiruvananthapuram, Coll. HSF, labeled "*Typhlops acutus*"

Uropeltidae

108. *Uropeltis* cf. *brevis* (Günther, 1862)

Material:

- TNHM(H) 155, Ponmudi, Coll. HSF, labeled "*Silybura brevis*"

109. *Uropeltis myhendrae* (Beddome, 1886)

Material:

- TNHM(H) 159, Kallar, Coll. HSF, labeled "*Silybura myhendrae*"

110. *Uropeltis* cf. *dupeni* (Beddome 1878)

Material:

- TNHM(H) 154, High Range, Coll. HSF, labeled "*Silybura ocellata*"

Erycidae

111. *Eryx conicus* (Schneider, 1801)

Material:

- TNHM(H) 162, 163 Thiruvananthapuram, Coll. HSF, labeled "*Gongylophis conicus*"

112. *Eryx johnii* (Russell, 1801)

Material:

- TNHM(H) 161, Cape Comerin

113. *Eryx whitakeri* Das, 1991

Material:

- TNHM(H) 164, locality not given

Pythonidae

114. *Python molurus* (Linnaeus, 1758)

Material:

- TNHM(H) 165, Thiruvananthapuram, Coll. HSF

Acrochordidae

115. *Acrochordus granulatus* (Schneider, 1799)

Material:

- TNHM(H) 134 Thiruvananthapuram, Coll. HSF, labeled "*Chersydrus granulatus*"

Pareiididae

116. *Xylophis captaini* Gower and Winkler, 2007

Material:

- TNHM(H) 158 (2 ex.), Kallar, Coll. HSF, labeled "*Xylophis stenorhynchus*"

Viperidae

117. *Daboia russelii* (Shaw and Nodder, 1797)

Material:

- TNHM(H) 121, 122, Thiruvananthapuram, Coll. HSF in 1902 from Bornianlli garden, in 1900 from Poojapura, labeled "*Vipera russelli*"

118. *Hypnale hypnale* (Merrem, 1820)

Material:

- TNHM(H) 123, Kallar hills, Coll. N.G. Pillai from Black Rock Estate on 9/6/1953, labeled "*Ancistrodon hypnale*"

Homalopsidae

119. *Dieurostus dussumierii* (Duméril, Bibron and Duméril, 1854)

Material:

- TNHM(H) 149, Kulathupuzha, Coll. HSF, labeled "*Hypsirhina* sp."

Elapidae

120. *Bungarus caeruleus* (Schneider, 1801)

Material:

- TNHM(H) (13 ex.) Thiruvananthapuram, Coll. HSF in July 1891; Thiruvananthapuram Zoo Kowdiar, Coll. NG Pillai on 20/10/1942, 26/5/1952, 27/8/1952, 8/1/1956; Peermed Coll. W.W. Edwards in Nov. 1892

121. *Bungarus fasciatus* (Schneider, 1801)**Material:**

- TNHM(H) 120, by exchange

122. *Naja naja* (Linnaeus, 1758)**Material:**

- TNHM(H) 123, Thiruvananthapuram, Coll. HSF

123. *Hydrophis curtus* (Shaw, 1802)**Material:**

- TNHM(H) 127, 128, 129, Thiruvananthapuram, Coll. HSF in June-Sept. 1893; from Anjengo Coll. Shankar Narayana Pillai in Oct. 1908, labeled “*Enhydris curtus*”

124. *Hydrophis cyanocinctus* Daudin, 1803**Material:**

- TNHM(H) 131, Thiruvananthapuram, Coll. HSF, labeled “*Hydrophis torquatus*”

125. *Hydrophis fasciatus* (Schneider, 1799)**Material:**

- TNHM(H) 132, Thiruvananthapuram, Coll. HSF

126. *Hydrophis platurus* (Linnaeus, 1766)**Material:**

- TNHM(H) 125, Thiruvananthapuram, Coll. HSF, labeled “*Pelamis platurus*”

127. *Hydrophis schistosus* Daudin, 1803**Material:**

- TNHM(H) 126, 170 Thiruvananthapuram, Coll. HSF, labeled “*Enhydrina valakadyen*”

128. *Hydrophis spiralis* (Shaw, 1802)**Material:**

- TNHM(H) 135, Thiruvananthapuram, Coll. HSF

129. *Hydrophis stokesii* (Gray, 1846)**Material:**

- TNHM(H) 133, purchased, “Trev.” [Thiruvananthapuram], on 4/11/1894, labeled “*Distira stokesii*”

130. *Hydrophis viperinus* (Schmidt, 1852)**Material:**

- TNHM(H) 130, Thiruvananthapuram, Coll. HSF, labeled “*Thalassophina viperina*”

Natricidae131. *Amphiesma monticola* (Jerdon, 1853)**Material:**

- TNHM(H) 148, Thiruvananthapuram, Coll. HSF, labeled “*Tropidonotus monticolus*”

132. *Fowlea* cf. *piscator* (Schneider, 1799)**Material:**

- TNHM(H) 151, 171, 3 specimens Thiruvananthapuram, labeled “*Tropidonotus piscator*”

133. *Atretium schistosum* (Daudin, 1803)**Material:**

- TNHM(H) 168, 152, Thiruvananthapuram, Coll. HSF, labeled “*Helicops schistosus*”

134. *Sahyadriophis beddomii* (Günther, 1864)**Material:**

- TNHM(H) (2 ex.) Thiruvananthapuram, Coll. HSF, labeled “*Tropidonotus beddomii*”

Colubridae135. *Ahaetulla isabellina* (Wall, 1910)**Material:**

- TNHM(H) 139, 169, Thiruvananthapuram, Coll. on 18/1/1952, labeled “*Dryophis dispar*”

136. *Ahaetulla oxyrhynca* (Bell, 1825)**Material:**

- TNHM(H) 136, Thiruvananthapuram, Coll. HSF, labeled “*Dryophis mycterizans*”

137. *Ahaetulla sahyadrensis* Mallik, Srikanthan, Pal, D'souza, Shanker and Ganesh, 2020**Material:**

- TNHM(H) 137, 138, Thiruvananthapuram, Coll. HSF in 1902; from Vellany

on 7/4/1942, labeled “*Dryophis pulverulentus*”

138. *Boiga cf. nuchalis* (Günther, 1875)

Material:

- TNHM(H) 144, (5 ex.) Thiruvananthapuram, Coll. HSF, labeled “*Dipsas ceylonensis*”

139. *Boiga trigonata* (Schneider, 1802)

Material:

- TNHM(H) (3 ex.) Thiruvananthapuram, Coll. HSF in June 1892, 1900, labeled “*Dipsas trigonata*”

140. *Boiga forsteni* (Duméril, Bibron and Duméril, 1854)

Material:

- TNHM(H) 143, Thiruvananthapuram, Coll. HSF, labeled “*Dipsas forstennii*”

141. *Coelognathus helena monticollaris* (Schulz, 1992)

Material:

- TNHM(H) 140, Thiruvananthapuram, Coll. HSF, labeled “*Coluber helena*”

142. *Chrysopelea ornata* (Shaw, 1802)

Material:

- TNHM(H) 141, 142, Thiruvananthapuram, Coll. HSF

143. *Dendrelaphis tristis* (Daudin, 1803)

Material:

- TNHM(H) 147, (5 ex.) Thiruvananthapuram, Coll. HSF, labeled “*Dendrophis pictus*”

144. *Dendrelaphis girii* Vogel & Van Rooijen, 2011

Material:

- TNHM(H) 156, Thiruvananthapuram, Coll. HSF, labeled “*Dendrophis bifrenalis*”

145. *Oligodon affinis* Günther, 1862

Material:

- TNHM(H) 145, Ponmudi, Coll. HSF

146. *Oligodon taeniolatus* (Jerdon, 1853)

Material:

- TNHM(H) 167,146, (3 ex.) Thiruvananthapuram, Coll. HSF, labeled “*Oligodon subgriseus*”

147. *Lycodon aulicus* (Linnaeus, 1758)

Material:

- TNHM(H) 159 Jagathy, Thiruvananthapuram, Coll. SVG

148. *Lycodon travancoricus* (Beddome, 1871)

Material:

- TNHM(H) 150 (3 ex.) Thiruvananthapuram, Nathancode, Coll. on 30/9/1944, 11/10/1953

149. *Lycodon fasciolatus* (Shaw, 1802)

Material:

- TNHM(H) 153 (6 ex.) Thiruvananthapuram, Vellayambalam, Puthenchenthal, Vazhuthacaud, Coll. T.P. Pillai, C.G. Nair, on 31/7/1943, 25/2/1944, 22/4/1944, labeled “*Lycodon aulicus*”.

Chelonia

Cheloniidae

150. *Lepidochelys olivacea* (Eschscholtz, 1829)

Material:

- TNHM(H) 105 a,b,c Thiruvananthapuram, Coll. HSF

Trionychidae

151. *Pelochelys cantori* Gray, 1864

Material:

- TNHM(H) 104, Neyyar, Coll. HSF

Testudinidae

152. *Geochelone elegans* (Schoepff, 1795)

Material:

- TNHM(H) 106, Kanyakumari, labeled “*Testudo elegans*”

Discussion

In all, a total of 153 species of herpetofauna, with one caecilian, 96 anurans, 11 saurians, 44 serpents and three chelonian species were documented by us here at the TNHM. Understandably, most of the material lodged here are

non-type specimens. It is indeed noteworthy that there were primary and secondary types of some recently described rhacophorid frogs (*Ghatixalus*, *Mercurana*, *Raorchestes*) and gekkonid lizards (*Cnemaspis*).

Most of the specimens' provenances were Kerala, be it historical or recent materials. However, some specimens were obtained by exchange, or purchased or collected from the nearby Pondicherry and Tamil Nadu. These include specimens that were recently collected/deposited by contemporary experts (alphabetically): Anil Zachariah, Sujith V. Gopalan, Umesh K. Pavukandy, Vivek P. Cyriac and their allies.

The bulk of the snake specimens and a few lizards were those collected a century ago, largely from Thiruvananthapuram by the pioneering naturalist H.S. Ferguson. It is noteworthy that a few publications pertaining to the collections exist, in case of the recent material (Abraham et al. 2013, 2015, 2022; Cyriac and Umesh 2014; Zachariah et al. 2016).

In case of the historical specimens, the mud snake *Dieurostus dussumierii* was recently published (deSouza et al. 2024), while the sea snake *Hydrophis stokesii* is under publication processing (Ganesh, accepted). We hope that this catalogue will help fill in the lacuna regarding herpetological holdings in under-studied museums in our country and encourage future studies there.

Acknowledgements

We are deeply grateful to our respective organisations for encouraging our collaborative research activities; at the Thiruvananthapuram Natural History Museum (TNHM), thanks are due to the Director and at the Kalinga Foundation, the Founder Director and Trustees. SRG sincerely thanks the Director, TNHM for kindly granting permission to undertake this collaborative study. We thank the veterinary doctor and education officer of Thiruvananthapuram Zoo and Executive Officer, Thrissur Zoo & Museums, for their support. SRG records his thanks to colleagues Drs. N.P. Sooraj, C.P. Arjun and S. Arya for their kind help with logistic arrangements during the visit. Thanks are due to the staff of the Zoology Dept. for their generous assistance to our endeavors during our study. Our thanks are due to Sujith V. Gopalan, Umesh

K. Pavukandy, Vivek P. Cyriac and Anil Zachariah for furnishing information associated with their collections. At last, we warmly thank the anonymous reviewers for their insightful review comments.

References

- ABRAHAM, R.K., PYRON, R.A., ANSIL, B.R., ZACHARIAH, A. & ZACHARIAH, A. (2013) Two novel genera and one new species of treefrog (Anura: Rhacophoridae) highlight cryptic diversity in the Western Ghats of India. *Zootaxa*, 3640(2), 177–189.
- ABRAHAM, R.K., MATHEW, J.K., CYRIAC, V.P., ZACHARIAH, A., RAJU, D.V. & ZACHARIAH, A. (2015) A novel third species of the Western Ghats endemic genus *Ghatixalus* (Anura: Rhacophoridae), with description of its tadpole. *Zootaxa*, 4048(1), 101–113.
- ABRAHAM, R.K., RAO, R., ZACHARIAH, A. & BROWN, R.M. (2022) Integration of ecology, larval phenotypes, and mate-recognition signals with molecular and morphological data indicate taxonomic inflation in *Nyctibatrachus* (Anura: Nyctibatrachidae). *Ichthyology & Herpetology*, 110(3), 526–546.
- ANON. (1899) The Museum & Gardens of Trivandrum. *Natural Science – A Monthly Review of Scientific Progress*, 3, 190–192.
- BAUER, A.M. (1998) South Asian herpetological specimens of historical note in the Zoological Museum, Berlin. *Hamadryad*, 23, 133–149.
- CHANDA, S.K., DAS, I. & DUBOIS, A. (2000) Catalogue of amphibian types in the collection of the zoological survey of India. *Hamadryad*, 25, 100–128.
- CHANDRAMOULI, S.R., NAVEEN, R.S., SURESHMARIMUTHU, S., BABU, S., KARUNAKARAN, P.V. & KUMARA, H.N. (2021) Catalogue of herpetological specimens from Meghalaya, India at the Sálím Ali Centre for Ornithology and Natural History. *Journal of Threatened Taxa*, 13(11), 19603–19610.
- CONSTABLE, J.D. (1949) Reptiles from the Indian Peninsula in the Museum of Comparative Zoology. *Bulletin Museum of comparative Zoology*, 103, 59–160.
- CYRIAC, V.P. & UMESH, P.K. (2014) Description of a new ground-dwelling *Cnemaspis* Strauch, 1887 (Squamata: Gekkonidae), from Kerala, allied to *C. wynadensis* (Beddome, 1870).

- Russian Journal of Herpetology*, 21(3), 187–194.
- DANIEL, J.C. (2002) *The book of Indian reptiles and amphibians*. Oxford Books India, BNHS, Mumbai, India.
- DANIELS, R.J.R. (2005) *Amphibians of Peninsular India*. Universities Press, Hyderabad, India.
- DAS, I. (2002) *A photographic guide to snakes and other reptiles of India*. New Holland Publishers, UK.
- DAS, I. (2003) Growth of knowledge on the reptiles of India, with an introduction to systematics, taxonomy and nomenclature. *Journal of the Bombay Natural History Society*, 100(2), 446–501.
- DAS, I. & CHATURVEDI, N. (1998) Catalogue of the herpetological types in the collection of the Bombay Natural History Society. *Hamadryad*, 23(2), 150–156.
- DAS, I., DATTAGUPTA, B. & GAYEN, N. C. (1998) History and catalogue of reptile types in the collection of the Zoological Survey of India. *Journal of South Asian Natural History*, 3(2), 121–172.
- DAS, I. & GAYEN, N.C. (2004) Addenda and corrigenda to the catalogue of reptile types in the collection of the Zoological Survey of India. *Hamadryad*, 28, 95–97.
- DE SOUZA, H.F., PAVUKANDY, U. & GANESH, S.R. (2024) On further specimens of Dussumier's Mud Snake *Dieurostus dussumierii* (Duméril, Bibron & Duméril, 1854) with notes on its taxonomy, type material, and natural history (Serpentes: Homalopsidae). *Zootaxa*, 5496(2), 261–272.
- DINESH, K.P., DEUTI, K. & SAIKIA, B. (2024) *Checklist of Fauna of India: Animalia, Chordata, Amphibia*. Zoological Survey of India, online database.
- DUBOIS, A. (1999) South Asian Amphibia: a new frontier for taxonomists. *Journal of South Asian Natural History*, 4(1), 1–11.
- FROST, D.R. (2024) Amphibian Species of the World: an Online Reference. Version 6.2. Electronic Database; accessed in Dec. 2024; <https://amphibiansoftheworld.amnh.org/index.php>. American Museum of Natural History, New York, USA. doi.org/10.5531/db.vz.0001
- GANESH, S.R. & ASOKAN, J.R. (2010) Catalogue of Indian herpetological specimens in the collection of the Government Museum Chennai, India. *Hamadryad*, 35(1), 46–63.
- GANESH, S.R. (2015) *A Guide to Common Amphibians and Reptiles of India*. Chennai Snake Park Trust Publications, Chennai, India.
- GANESH, S.R., BHUPATHY, S., KARTHIK, P., RAO, G.B. & BABU, S. (2020) Catalogue of herpetological specimens from peninsular India at the Sálím Ali Centre for Ornithology & Natural History (SACON), India. *Journal of Threatened Taxa* 12(9), 16123–16135.
<https://doi.org/10.11609/jott.6036.12.9.16123-16135>
- GANESH, S.R. (2021) Updated catalogue of herpetological specimens in the Chennai Snake Park. *Cobra*, 15(1), 30–45.
- GILL, B.J. & FROGGATT, J.M.A. (2014) The Indian herpetological collections of Charles McCann. *Records of the Auckland Museum*, 49, 29–37.
- GURURAJA, K.V. (2012) *Pictorial guide to frogs and toads of the Western Ghats*. Gubbi Labs LLP, Bangalore, India.
- HUBRECHT, A.A.W. (1882) List of reptiles and amphibians brought from British India by Mr. Francis Day. *Notes from the Leyden Museum*, 4(2), 138–144.
- MOHAPATRA, P.P., RAY, S., SARKAR, S., DEUTI, K., PALOT, M. J., SETHY, P.G.S. & BAHUGUNA, A. (2024) *Checklist of Fauna of India: Chordata: Reptilia*. Zoological Survey of India, online database.
- NAMEER, P.O., SYAMILI, M.S., KATAKATH, A.F., AMAL, U.S., ABHIN, M.S., DEVARAJAN, A., SAJITHA, S., ARUN, T. & JOBIN, J. (2021) Database of amphibian vouchers and records available at the Kerala Agricultural University Natural History Museum in Thrissur and an updated checklist of amphibians of Kerala, India. *Journal of Threatened Taxa*, 13(10), 19391–19430.
- PHIPSON, H.M. (1888) Catalogue of snakes in the society's collection. *Journal of the Bombay Natural History Society*, 3(1), 49–53.
- SABAJ, M.H. (2020) Codes for natural history collections in ichthyology and herpetology. *Copeia*, 108(3), 593–669.
- SCLATER, W.L. (1891) *List of snakes in the Indian Museum*. Trustees of the Indian Museum, Calcutta, x + 79 pp.
- THEOBALD, W. (1876) *Descriptive catalogue of the reptiles of British India*. Thacker, Spink and

- Company, Calcutta, 238 pp.
- UETZ, P., FREED, P., AGUILAR, R., REYES, F., KUDERA, J. & HOŠEK, J. (EDS.) (2024) The Reptile Database, <http://www.reptile-database.org>, accessed in Dec. 2024.
- WHITAKER, R. & CAPTAIN, A. (2004) *Snakes of India – the field guide*. Draco Books, Chengelpet, India.
- ZACHARIAS, V.J. & JOSE, B. (2020) An account of snake specimens in St. Joseph's College Museum Kozhikode, India, with data on species diversity. *Journal of Threatened Taxa*, 12(11), 16622–16627.
- ZACHARIAH, A., CYRIAC, V.P., CHANDRAMOHAN, B., ANSIL, B.R., MATHEW, J.K., RAJU, D.V. & ABRAHAM, R.K. (2016) Two new species of *Raorchestes* (Anura: Rhacophoridae) from the Silent Valley National Park in the Nilgiri Hills of the Western Ghats, India. *Salamandra*, 52(2), 63–76.

Date submitted 10/11/2024

Date accepted 25/12/2024

Available online