UPDATED CHECKLIST OF SCOLOPENDRID CENTIPEDES (CHILOPODA: SCOLOPENDROMORPHA) FROM INDIA

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***Scolopendra hardwickei* Newport**

Introduction

The multisegmented arthropods bearing one pair of legs per segment and 21-23 body segments (23, only in the genus *Scolopendropsis*) belong to the Order Scolopendromorpha of the Class Chilopoda. The Scolopendrid centipedes have been divided into two families on the basis of the possession or absence of the

ocelli on their cephalic plates. Members of the family Scolopendridae bear four ocelli on each side of the cephalic plate while the members of the family Cryptopidae are blind and do not bear ocelli.

The perusal of literature reveals the existence of 682 species, excluding subspecies, globally, representing 17 valid genera of the family Scolopendridae and 9 genera of family Cryptopidae.

The genera of the family Scolopendridae that have been synonymised recently are *Trachycormocephalus* Kraepelin, 1903 (=*Scolopendra* Linnaeus, 1758 (Lewis, 1986) and *Pseudocryptops* Pocock, 1891(=*Asanada* Meinert, 1886 (Lewis, 1968), while the Cryptopid genera with no validity currently are *Anethops* Chamberlin, 1902 (=*Scolopocryptops* Newport, 1844 (Shelley, 2002) and *Otocryptops* Haase, 1887 (=*Scolopocryptops* Newport, 1844 (Crabill R.E. jr., 1953).

Khanna (2001) check-listed 101 species of Scolopendrid centipedes from India. The enumerated number of species in fact should have been 99 only since the species *Otostigmus oatesi* Kraepelin has been erroneously reported twice, at Sl.no. 56 and again at Sl. No. 59 respectively in the checklist, and the species *Rhysida longipes* has been listed both as species (*R. longipes*) and as it's nominate subspecies (*R. longipes longipes*), hence deleted.

The checklist has been revalidated by Khanna (2008) after following emendation.

(1) **Species deleted from the list:**

1. *Scolopendra cingulata* Latreille, 1789
2. *Scolopendra clypeata* Fabricius, 1781
3. *Scolopendra dorsalis* Fabricius, 1793
4. *Scolopendra heros* Girard, 1853
5. *Scolopendra occidentalis* (Attems)
6. *Otostigmus insularis* Haase, 1887
7. *Otostigmus morsitans* Pocock, 1890
8. *Otostigmus oatesi* Kraepelin, 1903
9. *Otostigmus (Otostigmus) ruficeps* Pocock, 1890
10. *Otostigmus (Otostigmus) simplex* Chamberlin, 1913
11. *Otostigmus (Otostigmus) splendens,* Pocock, 1890
12. *Ethmostigmus tristis* (Meinert), 1886
13. *Rhysida nuda nuda* (Newport) 1845
14. *Rhysida longipes* (Newport), 1845
15. *Rhysida monalii* Khanna and Kumar, 1984

(2) **Species added as new records:**

1. *Scolopendra gigantea* Linnaeus, 1758
2. *Cryptops (Cryptops) feae* Pocock R.I., 1891

(3) **Species added as missing records:**

3. *Scolopendra nuda* (Jangi & Dass, 1980)
4. *Scolopendra punensis* Jangi & Dass, 1984
5. *Cryptops (Trigonocryptops) orientalis* Jangi, 1955

Systematic List

The current diversity status is the representation of 92 valid species belonging to 8 genera of the family Scolopendridae and 3 genera of the family Cryptopidae known from India including their type-localities tabulated.

The genus *Scolopendra* is known globally by ninety species and represented in India by eighteen species, while *Cormocephalus* is represented in India by 8 of 98 species, *Arthrorhabdus* by 1 of 6; *Asanada* by 8 of 13; *Otostigmus* (*Otostigmus*) by 19 of 60; *Ethmostigmus* by 5 of 17, *Digitipes* by 6 of nine; *Rhysida* by 19 of 39; *Cryptops* (*Cryptops*) 4 of 148, *Cryptops* (*Trigonocryptops*) by 1 of 23 and *Paracryptops* by 2 species of the 5 globally known species.

Globally known Scolopendrid Genera	**No. of Species Known**	
	Globally	**India**
Family Scolopendridae		
1.*Alipes,* Imhoff 1854	7	Nil
2.*Alluropus* Silvestri, 1911	1	
3.*Arthrorhabdus* Pocock, 1891	6	1
4. *Arrhabdotus* Attems, 1930 = *Edentistoma* Tömösváry, 1882.	1	Nil
5.*Asanada* Meinert, 1886	13	8
6. *Campylostigmus* Ribaut, 1923.	6	nil
7.*Cormocephalus* (*Cormocephalus*) Newport, 1844	98	8
8. *Digitipes* Attems, 1930.	9	6
9.*Ethmostigmus* Pocock, 1898	17	5
10.*Hemiscolopendra* Kraepelin, 1903	6	Nil
11. *Notiasemus* L.E. Koch, 1985.	1	Nil
12.*Otostigmus* (*Otostigmus*)Porat, 1876	60	19
13.*Otostigmus (Paraotostigmus)*	58	Nil
Genus *Pseudocryptops* Pocock, 1891 = *Asanada* Meinert, 1886. Lewis J.G.E. (1968)		
14. *Rhoda* Meinert, 1886.	4	Nil
15. *Rhysida* Wood, 1862.	39	19
16. *Scolopendra* Linnaeus, 1758.	90	18
17.*Scolopendropsis* Brandt, 1841	1	Nil
Genus *Trachycormocephalus* Kraepelin, 1903 =*Scolopendra* Linnaeus, 1758 (Lewis, 1986)		
Family: Cryptopidae		
Anethops Chamberlin, 1902 = *Scolopocryptops* Newport, 1844 (Shelley R.M.,2002)	.1	Nil
1.*Cryptops* (*Cryptops*) Leach, 1815	148	4
2.*Cryptops* (*Trigonocryptops)* Verhoeff, 1906	23	1
2.*Kethops* Chamberlin, 1912	2	Nil
3.*Mimops* Kraepelin, 1903	2	Nil
4.*Newportia* Gervais, 1847	56	Nil
Genus *Otocryptops* Haase, 1887= *Scolopocryptops* Newport, 1844. (Crabill R.E. jr. (1953)		
5. *Paracryptops* Pocock, 1891.	5	2

6.*Scolopocryptops* Newport, 1844 = *Anethops* and *Otocyptops* (Lucas H. (1849)	20	1
7. *Theatops* Newport, 1844.	5	Nil
8. *Tidops* Chamberlin, 1915	3	Nil
Total	**682**	**92**

Sl.no.	Name of the species	Type Locality	Remarks
1.	*Scolopendra amazonica* (Bucherl), 1946	Brazil, Amazonia, vicinity of Manaus.	A valid species different from *Scolopendra morsitans* Linnaeus, 1758 (Jangi & Dass, 1984)
2.	*Scolopendra andhrensis* Jangi and Dass, 1984	Andhra Pradesh, Visakhapatnam	
3.	*Scolopendra ellorensis* Jangi and Dass, 1984	India, Maharashtra, Aurangabad District,	
4.	*Scolopendra gigantea* Linnaeus, 1758	Venezuela, Carabobo, Valencia	Recorded by Khanna and Yadav (2005) from Raigarh, Maharashtra, India
5.	*Scolopendra hardwickei* Newport, 1844	India	
6.	*Scolopendra indiae* (Chamberlin), 1914	India: Orissa, Jeypore	
7.	*Scolopendra indica* Meinert, 1886	India: Kooloo in the Himalaya, Ambala, a station 70 miles S.W. from Ambala.	
8.	*Scolopendra jangii* Khanna and Yadav, 1997	India, Maharashtra, ca. 20 km SW of Pune, Singhbad Fort.	
9.	*Scolopendra mazbii* Gravely, 1912	India, Himachal Pradesh, Upper Rohtang	
10.	*Scolopendra mirabilis* (Porath), 1876	Sudan, White Nile in Kordofan.	
11.	*Scolopendra morsitans* Linnaeus, 1758	India	
12.	*Scolopendra nuda* (Jangi & Dass, 1980).	India, Delhi, Ridge, near University of Delhi.	Earlier left out earlier by mistake, now incorporated
13	*Scolopendra nudus* (Jangi and Dass), 1980	India: Delhi Ridge	
14.	*Scolopendra paranudus* (Khanna and Tripathi), 1987	India: Malkan Village, Hissar, Haryana	*Tracycormocephalus paranudus*= *Scolopendra paranudus* (Khanna and Tripathi, 1987) (Khanna and Yadav, 1997)

15.	*Scolopendra punensis* Jangi & Dass, 1984.	India, Maharashtra, Pune Dist., Moshi.	Earlier left out by mistake, now incorporated
16.	*Scolopendra subspinipes dehaani* Brandt, 1840	Indonesia, Java.	
17.	*Scolopendra subspinipes subspinipes* Leach, 1815	Not designated	
18.	*Scolopendra valida* Lucas, 1840	Canary Islands.	
19.	*Arthrorhabdus jonesii* Verhoeff, 1937	India, Kerala, Trivandrun (Travancore), Ponmudi Hills.	
20.	*Cormocephalus (Dekanonyx) nigrificatus* Verhoeff, 1937	India, Kerala, Nedumangad, 2 miles east of Trivandrum.	
21.	*Cormocephalus (Cormocephalus) denticaudus* Jangi and Dass, 1984	India, Maharashtra, Satara Dist., Panchgani.	
22.	*Cormocephalus(Cormocephalus) dentipes* Pocock, 1891	India, Bengal.	Specimens from Nepal have been misidentified as Cormocephalus *pygmaeus* Pocock, 1892 (*http://chilobase.bio.unipd.it*)
23.	*Cormocephalus (Cormocephalus) makrosestrus* Attems, 1928	India: Madder Thorrey, W. base of W. Ghates (sic), (?) Calcutta.	The exact type locality is uncertain: two localities have been cited, but there is only a single type specimen in the Hamburg Museum (*http://chilobase.bio.unipd.it)*
24.	*Cormocephalus(Cormocephalus) nudipes* Jangi and Dass, 1984	India, Andhra Pradesh, Nalgaonda Dist., Tiger Valley.	
25.	*Cormocephalus(Cormocephalus) pilosus* Jangi, 1955	India, Maharashtra, Nagpur, Telankheri garden.	
26.	*Cormocephalus(Cormocephalus) pygmaeus* Pocock, 1892	India, Tamil Nadu, Madras.	
27.	*Cormocephalus* (*Cormocephalus*) *westwoodi westwoodi* (Newport, 1844)	South Africa, Eastern Cape, 'Caffraria'.	The valid name for *Cormocephalus westwoodi dispar* is now *C.w.westwoodi* (Schileyko and Stagl, 2004)
28.	*Asanada agharkari agharkari* (Gravely), 1912	India, Bombay Presidency, Satara Dist., Taloshi and Helvak in the Koyna Valley of the W. Ghats.	Type locality is of lectotype
29.	*Asanada agharkari singhbhumensis* (Gravely, 1912).	India, Chakardharpur, Singhbhum District, Chota	A color variety, *P. agharkari singhbhumensis* was

		Nagpur.	implicitly transferred into *Asanada* by Lewis (1968, *J. Nat. Hist*., **3:**174) when he synonymised the genera, and later, also implicitly, by Jangi & Dass (1978, *J. Nat. Hist.*, **12**:423).
30.	*Asanada brevicornis* Meinert, 1886	India, Himachal Pradesh, Kullu (Kooloo).	
31.	*Asanada indica* Jangi and Dass, 1984	India, Maharashtra, Urlikanchan, Pune.	
32.	*Asanada maligii* Jangi and Dass, 1984	India, Andhra Pradesh, Lake View, Nalgonda District.	
33.	*Asanada socotrana* Pocock, 1899	Yemen, Socotra I. (Hadibu Plain, Jena-agahan, Dahamis, Homhil).	
34.	*Asanada sukhensis* Jangi and Dass, 1984	India, Madhya Pradesh, Jabalpur Dist., Sukha on Patan Road.	
35.	*Asanada walkeri* (Pocock), 1891	Yemen, Perim Island.	
36.	*Otostigmus amballae* Chamberlin, 1912	India, Amballa.	
37.	*Otostigmus burn-murdochi* Gravely, 1912	India, Himachal Pradesh, Upper Rohtang	
38.	*Otostigmus ceylonicus* Haase, 1887	Sri Lanka (Ceylon).	
39.	*Otostigmus geophilinus* Haase, 1887	Java, Ambarawa.	
40.	*Otostigmus kashmiranus* Lewis, 1992	India.	
41.	*Otostigmus metallicus Haase*, 1887	Sangir Island. Indonesia	The type locality is in Indonesia, but was incorrectly considered in Sri Lanka by Kraepelin (1903 - *Mitt. naturhist. Mus.* Hamburg, **20**: 121) and Attems (1930 - Tierreich, **54**: 140)
42.	*Otostigmus (Otostigmus) multidens* Haase, 1887.	Sulawesi (Celebes).	The valid name for *Otostigmus ruficeps* Pocock, 1890 is *Otostigmus (Otostigmus) multidens Haase, 1887.* (Lewis J.G.E.

			(2001))
43.	*Otostigmus (Otostigmus) sumatranus kraepelini* Attems, 1928.	Pakistan, northwest Kashmir, Chitral Island.	Originally described as *Otostigma tuberculatum* var. *sumatranum*
44.	*Otostigmus(Otostigmus) nudus* Pocock, 1890	Madras, India	
45.	*Otostigmus(Otostigmus) oatesi* Kraepelin, 1903	Myanmar (Burma), Tavoy.	
	Otostigmus oatesi Kraepelin, 1903		
46.	*Otostigmus(Otostigmus) orientalis* Porath, 1876	India, Mumbai (Bombay).	*Otostigmus morsitans* Pocock, 1890 + *Otostigmus splendens* Pocock, 1890 = *Otostigmus (Otostigmus) orientalis* Porat, 1876 ; (Lewis, 1996)
47.	*Otostigmus (Otostigmus) politus politus* Karsch, 1881	Beijing (Peking) and Tianjin (Tientsin).	Records from India require confirmation; (Lewis, 2003)
48.	*Otostigmus (Otostigmus) politus quadrispinosus* Khanna	India, Uttarakhand, Almora, Sitlakhet Road.	
49.	*Otostigmus poonamae* Khanna and Tripathi, 1986	India, Himachal Pradesh, Durgathi, Chamba.	
50.	*Otostigmus(Otostigmus) proponens* Chamberlin, 1920	Solomon Islands, Wainoni Bay, Fulakora.	
51.	*Otostigmus (Otostigmus) rugulosus* Porath, 1876	Khanna (2001): India: Madras (Tamilnadu) Mauritius .(*Http://chilobase.bio.unipd.it*)	Lewis J.G.E. (2002)
52.	*Otostigmus(Otostigmus) scaber* Porath, 1876	China.	The valid name for *Otostigmus carinatus* insulare Haase, 1887 is *Otostigmus (Otostigmus) scaber* Porat, 1876. (Chao J.-L., Chang H.-W. (2003)
53.	*Otostigmus(Otostigmus) spinosus* Porath, 1876	Indonesia, Java.	
54.	*Otostigmus(Otostigmus) sumatranus kraepelini* Attems, 1930	Pakistan, northwest Kashmir, Chitral Island.	
55.	*Ethmostigmus coonooranus* Chamberlin, 1920	India, Tamil Nadu, Nilgiri District, Coonoor.	
56.	*Ethmostigmus platycephalus platycephalus* (Newport), 1845	'In Insulis Oceani Pacifici'.	*Ethmostigmus rubripes platycephalus* (Newport), 1845 = *Ethmostigmus*

			platycephalus platycephalus (Newport), 1845; (Schileyko and Stagl 2004)
57.	*Ethmostigmus platycephalus cribifer* (Gerv.), 1847	Ile Bourou [Indonesia].	*Ethmostigmus platycephalus cribrifer* (Gervais), 1847 = *Ethmostigmus rubripes platycephalus* (Newport), 1845; (Schileyko and Stagl ,2004)
58.	*Ethmostigmus platycephalus spinosus* (Newport), 1845	Sri Lanka.	*Ethmostigmus platycephalus spinosus* (Newport) 1845 = *Ethmostigmus rubripes spinosus* (Newport, 1845) (Schileyko and Stagl 2004)
59.	*Ethmostigmus pygomegas* (Kohlrausch), 1881	Himalaya.	
60.	*Digitipes barnabasi* Jangi and Dass, 1984	India, Maharashtra, Ahmednagar.	
61.	*Digitipes coonoorensis* Jangi and Dass, 1984	India, Tamil Nadu, Nilgiri District, Coonoor, 6 km north of Railway Station.	
62.	*Digitipes gravelyi* Jangi and Dass, 1984	India, Kerala, (Cochin State), Parambikulam.	
63.	*Digitipes indicus* Jangi and Dass, 1984	India, Kerala, Palghat District, Forest Tramway.	
64.	*Digitipes pruthii* Jangi and Dass, 1984	India: Nagalaur, Shevaroy Hills, Salem (Tamilnadu)	
65.	*Digitizes chhotanii* Jangi and Dass, 1984	India: Suranganer Reserve Forest, Tamilnadu	
66.	*Rhysida afra cuprea* Kraepelin, 1903 = *Rhysida afra* (Peters, 1855)	Bhutan.	*Rhysida afra cuprea* Kraepelin, 1903 = *Rhysida afra* (Peters, 1855); (Lewis J.G.E. (2001))
67.	*Rhysida carinulata* (Haase), 1887	New Guinea, Australia	
68..	*Rhysida ceylonica* Gravely, 1912	Sri Lanka (Ceylon), Paradeniya.	
69.	*Rhysida corbetti* Khanna, 1994	India, Uttaranchal, Pauri Distr., Corbett National Park, Sarapduli.	
70.	*Rhysida crassispina* Kraepelin, 1903	India, Matheran near Mumbai (Bombay).	
71.	*Rhysida immarginata*	Manila, Philippines	*Rhysida nuda* Newport,

	immarginata (Porat, 1876)		1845 = *Rhysida immarginata immarginata (*Porat, 1876) (Koch ,1985)
72.	*Rhysida immarginata subnuda* Jangi, 1955.	India, Nagpur: Telankheri.	Originally described as subspecies of *Rhysida nuda (*Newport, 1845*) R. n subnuda = R.imarginata* subnuda (Lewis , Minnelli ,and Shelley2006)
73.	*Rhysida lithobioides kumaonensis* Khanna, 1994	India, Uttarakhand, Nainital Distr., Corbett National Park, Bijrani.	
74	*Rhysida lithobioides lithobioides* (Newport, 1845).	China.	
75.	*Rhysida lithobioides paucidens,* Pocock, 1897	. India: Pondicherry	Type Locality:? Ethiopia, Loga in the Arusha Galla country (*http://chilobase.bio.unipd.it*)
76.	*Rhysida lithobioides shivalikensis* Khanna, 1994	India, Uttar Pradesh, Dehra Dun, Motichur (north of Shiwaliks).	
77.	*Rhysida lithobioides trispinosus* Jangi and Dass, 1984	India, Maharashtra, Hill behind Film Institute Pune.	
78.	*Rhysida longicarinulata*, Khanna and Tripathi, 1985	India, Himachal Pradesh, Sirmaur Distr. Badripur, Paonta.	
79.	*Rhysida longipes longipes* (Newport), 1845	Not stated.	
80.	*Rhysida longipes punctata* ssp.nov.	India: Banbasa, Nainital. , Uttarakhand	Khanna, 2007. *Rec.Zool.Surv. India,* Pp.1-49.Previously described in the D.Phil Thesis.
81.	*Rhysida longipes simplicior* Chamberlin. 1920	India, Tamilnadu, Coonoor	
82.	*Rhysida neocrassispina* Jangi and Dass, 1984	India, Tamil Nadu, Coimbatore Distr. Agricutural College, Coimbatore.	
83.	*Rhysida stuhlmanni himalayanus* Khanna, 1994	India, Uttarakhand, Nainital, Kaladungi-Mangoli Road.	
84.	*Rhysida stuhlmanni stuhlmanni* Kraepelin, 1903	Tanzania (German East Africa): Bagamoyo, Rio Quaqua, 'Zambesi'.	
85.	*Cryptops (Cryptops) feae Pocock R.I., 1891.*	Myanmar (Burma), Palon.	Khanna (2007) added this species from India
86.	*Cryptops(Cryptops) doriae* Pocock, 1891	Myanmar (Burma): Pegu, Palon; Upper Irrawaddy,	Khanna (2001) erroneously reported its type locality as

		Shwegoo; Carin Mount, Asciuii Ghecu district, village of Chiala.	Siju Caves Assam
87.	*Cryptops(Cryptops) kempi* Silvestri, 1924	India, Assam, Garo Hills, Siju Cave.	
88.	*Cryptops (Cryptops) setosior* Chamberlin, 1959.	India, Himalaya, Molta.	
89.	*Cryptops (Trigonocryptops) orientalis* Jangi, 1955	India, Nagpur, College of Science.	Khanna (2001) missed the record of Jangi B.S. (1955)
90.	*Paracryptops indicus* Silvestri, 1924	India, Meghalaya, Siju Cave.	
91.	*Paracryptops spinosus* Jangi and Dass, 1978	New Delhi.	
92.	*Scolopocryptops melanostomus melanostomus* Newport, 1845	St. Vincent, West Indies.	*Otocryptops* Haase, 1887 = *Scolopocryptops* Newport, 1844.(Crabill R.E. jr. (1953)

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