

Checklist of Long legged fly: (Insecta: Diptera: Empidoidea: Dolichopodidae) of India

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Abstract : A first attempt for checklist of the Dipteran family Dolichopodidae of India, which according to current literatures and museum specimens of National Zoological collection of India comprises of 148 species in 8 subfamilies and 28 genera.

Keywords: Checklist, Oriental, Taxonomy, Biodiversity, Inventory, India diptera.

I. Introduction

The family Dolichopodidae, commonly known as Long legged flies, are one of the most diverse families of Diptera (Grichanov,1999). Adult dolichopodids vary in size from about 1-9 mm in length and can be recognized by their elongate legs, reduced wing venation, aristate antennae, and relatively slender build. Most species are metallic greenish-blue to greenish-bronze, while some others are non-metallic yellowish (e.g., some species of *Achalcus* Loew, *Argyrochlamys* Lamb, *Neurigona* Rondani, *Xanthochlorus* Loew and *Xanthina* Aldrich), or brown to blackish (e.g., several species of *Micromorphus* Mik and *Medetera* Fischer von Waldheim). Dolichopodids are widespread and are found in all zoogeographic regions (Robinson,1970; Dyte, 1975; Dyte and Smith ,1980; Bickel and Dyte, 1989; Negrobov, 1991; Pollet et al., 2004). In general, adults and larvae prefer moist environments including stream and lake margins, humid forests, saltmarshes, seashores, and freshwater seepages, where they often occur in large numbers. Adults of some species are closely associated with tree trunks or vertical surfaces (e.g., *Medetera*, *Neurigona*, *Sciapus* Zeller), whereas others occur in drier habitats such as agricultural fields and grasslands (e.g., some species of *Medetera* and *Dolichopus* Latreille) or urban gardens (e.g., some species of *Condylostylus* Bigot).[1-6]

Larvae occur in mud, damp soil, leaf litter, moss, algal mats, decaying seaweed, sap wounds, under bark, in tree hole debris and within plant tissues (Dyte, 1959). Before pupation the final instar spins a protective cocoon incorporating soil particles and other environmental debris, which completely encapsulates the pupa, except for the tips of the respiratory horns, which protrude from a small aperture (Dyte ,1959; Corpus, 1986:1988). Recent studies (Pollet,1992; 2000; 2001; Pollet and Grootaert 1991; 1996) demonstrate that dolichopodids have very specific habitat requirements and react quickly to environmental alterations, making them potentially useful as bioindicators for site quality assessment and conservation purposes.[5,6]

The family is represented by 7233 species, belonging to 232 genera worldwide. Only 148 species under 8 sub- families viz. Sciapodinae, Neurigoninae, Dolichopodinae, Medeterinae, Hydrophorinae, Rhapsiinae, Diaphorinae and Sympycninae comprising of 28 genera are recorded from India. The sub- family Sciapodinae consist of 6 genera and 68 species, Neurigoninae consist of 1 genera and 4 species, Dolichopodinae consist of 5 genera and 29 species, Medeterinae consist of 1 genera and 4 species,Hydrophorinae consist of 6 genera and 9 species, Rhapsiinae consist of 1 genera and 2 species, Diaphorinae consist of 7 genera and 27 species, Sympycninae consist of 1 genera and 5 species.Fabricius (1775) initiated the work on Indian Dolichopodidae. Later Becker(1922) and Parent (1929; 1941) followed on the footsteps of Fabricius and in the process described many species In the recent past, Olejniczek (2002) has made a considerable contribution on Indian Dolichopodidae.The present list has been updated and compiled, incorporating the data of the different Indian states from the State Fauna Series of Zoological Survey of India and keeping in mind the recent nomenclatural changes in the Systema Dipteroorum (updated on June, 2013) and Catalog of Life (updated on January, 2015).[1-6]

Abberviations. TL: type locality, ZSI= Zoological Survey of India, ZMHU= Zoological Museum, University of Helsinki,Finland, BMNH= British Meuseum of Natural History, DEI= Deutsches Entomologisches Institut, Munchenberg, Germany, UZMC= University of Montreal, Zoological,Canada, NMW= Namibian National Museum,Windhoek,Namibia.[1-25]

II. Materials and Methods

II.a) Literature Survey

Taxonomic literatures were reviewed for extracting out Indian species of the Dipteran Dolichopodidae from internet resources and other relevant literatures such as Catalog of Life (updated on January, 2015), Systema Dipterozum (updated on June, 2013), Bionames, Catalog of fossil diptera (updated on January, 2015), Oriental catalog and Catalog of Diptera from Australasian and Ocenian regions, Zoorecords series (2011 to 2014) and State fauna series were consulted. Taxonomic nomenclature used in the checklist follow Bickel and Dyte (1967).

II.b) Specimen Survey

Specimens and samples were checked from surveys, general collection and diptera register, and compiled in a form of check list, along with current name, 1st author, type locality, distribution in India and elsewhere in the world.

II.c) Analytics and compilation of checklist

Catalog of life data was searched by the inclusion criteria “Dolichopodidae, India (States, Union territories and geographic reions)”, then current valid names were compiled and hand sorted, to this via Systema Dipterozum and Bionames data, this primary data was compared with Oriental catalog and other literatures. Australasian catalog nomenclature was utilized for this checklist. Major contributions by authors and years on Indian Dolichopodidae taxonomy are graphically represented. [1-25] (See fig 1- 9)

III. Results

III.a) Checklist

Family-Dolichopodidae
Sub-Family Sciapodinae
I.Genus- *Amblysilopus* Bigot, 1888

1. *Amblysilopus abruptus* (Walker, 1859)

1859-1860. Walker, F. Catalogue of the dipterous insects collected at Makessar in Celebes, by Mr. A. R. Wallace, with descriptions of new species. J. Proc. Linn. Soc. London Zool. 4: 90-96 [1859.09.19], 97-144 [1859.12.08], 145-172 [1860.02.10]. TL: Indonesia (Sulawesi) (BMNH).

Distribution India: India. Assam.

Distribution Elsewhere: Indonesia (Sulawesi); Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG); Cocos (Keeling) Is, Indonesia (Java, Sumatra), Malaysia (Pen, Sarawak), Philippines, Singapore, Taiwan, Vietnam.

2. *Amblysilopus humilis* (Becker, 1922)

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??]. TL: Taiwan.

Distribution India: India.

Distribution Elsewhere: Taiwan; Solomon Is; China, Malaysia (Pen), Nepal, Philippines.

3. *Amblysilopus natalis* Bickel, 1994

1994. Bickel, D. J. The Australian Sciapodinae (Diptera: Dolichopodidae), with a review of the Oriental and Australasian faunas, and a world conspectus of the subfamily. Rec. Aust. Mus. Suppl., 21, 394 pp. [1994.12.23]. TL: Indian Ocean islands.

Distribution India: Indian Ocean islands.

Distribution Elsewhere: Indian Ocean islands.

II. Genus- *Chrysosoma* Guerin-Meneville, 1831

4. *Chrysosoma abruptum* (Walker, 1860)

1859-1860. Walker, F. Catalogue of the dipterous insects collected at Makessar in Celebes, by Mr. A. R. Wallace, with descriptions of new species. J. Proc. Linn. Soc. London Zool. 4: 90-96 [1859.09.19], 97-144 [1859.12.08], 145-172 [1860.02.10]. TL: Indonesia. Sulawesi [as "Celebes"] (T M BMNH).

Distribution India: India.

Distribution Elsewhere: Myanmar, Celebes, China, Cocos Is., Taiwan, Indochina, Formosa, Java, Malaya, Philippines, Sumatra, New Britain, New Guinea.

5. *Chrysosoma albidum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Kurseong & Sukna.

Distribution India: Sikkim, W Bengal and Himalayas.

Distribution Elsewhere:

6. *Chrysosoma amplipenne* Parent,1934

1941. Ann. Mag. nat. Hist. (11)7:198. TL: India. Travancore, Periyar Dam, Thekkaid (HT M BMNH).

Distribution India: Travancore, Periyar Dam, Thekkaid.

Distribution Elsewhere:

7. *Chrysosoma appendiculatum* (Bigot,1890)

1890. Bigot, J. M. F. Dipteres nouveaux ou peu connus. 36e partie, XLV: Dolichopodi. Essai d'une classification generale. Ann. Soc. Ent. Fr. (6) 10: 261-296. [1890.11.26].TL: Myanmar.

Distribution India: Banglore.

Distribution Elsewhere: Myanmar, Sri Lanka, Malaya, Sumatra.

8. *Chrysosoma bifiguratum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Assam.

Distribution India: Assam.

Distribution Elsewhere:

9. *Chrysosoma brunnipenne* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Madras: Trichinopoly.

Distribution India: Madras: Trichinopoly.

Distribution Elsewhere:

10. *Chrysosoma clypeatum* Parent,1937

1937. Bull. Anns. Soc. r. ent. Belg. 77:134. TL: India. South: Tinnevely District, Naraikkadu (HT F BMNH).

Distribution India: South India. Madras. Tinnevely District, Naraikkadu. Chennai.

Distribution Elsewhere:

11. *Chrysosoma compressum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Bihar: Purneah Distr., Bhogaon & Bengal: Kushtea.

Distribution India: Bihar: Purneah Distr., Bhogaon & Bengal: Kushtea.

Distribution Elsewhere:

12. *Chrysosoma cupido* (Walker,1849)

1849. Walker, F. List of the specimens of dipterous insects in the collection of the British Museum. Part II, [iii]+231-484. [1849.04.21]; Part III: [iii]+485-687. [1849.06.30]; Part IV. Pp. [3] + 689-1172 + [2] [1849.12.08] British Museum (Natural History), London. TL: East Indies (T M BMNH).

Distribution India: Punjab.

Distribution Elsewhere: East Indies, China [Kiangsi, Kwangtung], Sri Lanka, Formosa, Indo-china, Java, Taiwan.

13. *Chrysosoma decoratum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Assam. Bangladesh. Sylhet.

Distribution India: Assam.

Distribution Elsewhere: Bangladesh. Sylhet.

14. *Chrysosoma dilutum* Parent,1937

1937. Bull. Anns. Soc. r. ent. Belg. 77:136. TL: India. Madras: Palni Hills, Kodaikanal (HT A BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal. Chennai.

Distribution Elsewhere:

15. *Chrysosoma divisum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Singapore, Malaya; Philippines; Sarawal, India; & New Guinea.

Distribution India: India.

Distribution Elsewhere: Malaya, Philippines; New Guinea.

16. *Chrysosoma duplicatum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Travancore: Trivandrum; Sri Lanka. Colombo, Victoria Gardens.

Distribution India: Travancore: Trivandrum.

Distribution Elsewhere: Sri Lanka. Colombo, Victoria.

17. *Chrysosoma elongatum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Kurseong.

Distribution India: Assam, W Bengal, Eastern Himalayas.

Distribution Elsewhere: Formosa.

18. *Chrysosoma foliatum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Bangladesh. E Himalayas, Chittagong & India. Mangaldi, Mazbat.

Distribution India: Assam. Mangaldi, Mazbat.

Distribution Elsewhere: Bangladesh. E Himalayas, Chittagong.

19. *Chrysosoma grossum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Assam: Margharita.

Distribution India: Assam. Margharita.

Distribution Elsewhere:

20. *Chrysosoma hilare* Parent,1941

1941. Ann. Mag. nat. Hist. (11)7:198. TL: India. Kerala: Travancore (HT M BMNH).

Distribution India: Kerala: Travancore.

Distribution Elsewhere:

21. *Chrysosoma humile* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. T'ai-nan: Takao; Kankau, Kosempo, & Takao.

Distribution India: Punjab.

Distribution Elsewhere: Taiwan, Solomon Island.

22. *Chrysosoma indicum* Parent ,1934

1934. Parent, O. Dipteres Dolichopodides exotiques. Mem. Soc. Natn. Sci. Nat. Math. Cherbourg (1929-1933) 41: 257-308, pls. 67-79. TL: Nilgiris, Ootacamund, India.

Distribution India: Nilgiris, Ootacamund. Madras.

Distribution Elsewhere:

23. *Chrysosoma inscriptum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Calcutta, & Bengal: Rajmahal & Bangladesh. Sylhet.

Distribution India: Calcutta, & Bengal: Rajmahal, Assam.

Distribution Elsewhere: Bangladesh. Sylhet.

24. *Chrysosoma leucopogon* (Wiedemann,1824)

1824. Wiedemann, C. R. W.... Analecta entomologica ... Regio Typographeo scholarum, Kiliae [=Kiel]. 60 pp., 1 pl. [1824.??].TL: India orient.

Distribution India: Bihar, Bombay, Madras, Orissa, W Bengal.

Distribution Elsewhere: Myanmar, Sri Lanka, Chagos Isl., Formosa, Indochina, Java, Sumatra, Thailand, Seychelles, Aldabra, Reunion, Mauritius, Rodriguez, Madagascar, Tanzania, New Caledonia, Tahiti.

25. *Chrysosoma loriseta* Parent,1934

1934. Parent, O. Dipteres Dolichopodides exotiques. Mem. Soc. Natn. Sci. Nat. Math. Cherbourg (1929-1933) 41: 257-308, pls. 67-79. TL: Andaman Islands (HT M BMNH).

Distribution India: Andaman Islands.

Distribution Elsewhere:

26. *Chrysosoma mirandum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??.??].TL: Bangladesh. E Himalayas, Sukna.

Distribution India: W Bengal.

Distribution Elsewhere: Bangladesh. E Himalayas, Sukna.

27. *Chrysosoma nonnitens* Parent,1937

1937.Bull.Annls Soc.r.ent.Belg.77:137.TL: India. Madras: Palni Hills, Kodaikanal (HT F BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal.

Distribution Elsewhere:

28. *Chrysosoma oculatum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??.??].TL: nr Bhowali, Kumaon, W Himalayas.

Distribution India: Bhowali, Kumaon, W Himalayas., Uttar Pradesh, Uttarakhand.

Distribution Elsewhere:

29. *Chrysosoma ovale* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??.??].TL: Sri Lanka. Hineratgoda, Rambodde, & Walisama; & India. Nilgiri Hills, Coonoor.

Distribution India: Nilgiri Hills, Coonoor., Madras Presidency.

Distribution Elsewhere: Sri Lanka. Hineratgoda, Rambodde, & Walisama.

30. *Chrysosoma perturbans* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??.??].TL: India. Madras: Trichinopoly.

Distribution India: Madras: Trichinopoly.

Distribution Elsewhere:

31. *Chrysosoma posterum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??.??].TL: India. Maharashtra: Bombay.

Distribution India: Maharashtra: Bombay.

Distribution Elsewhere:

32. *Chrysosoma protarsatum* Parent,1937

1937.Bull.Annls Soc.r.ent.Belg.77:139.TL: India. Kaniyini, nr Dohnavur, S India.

Distribution India: Kaniyini, nr Dohnavur, S India.

Distribution Elsewhere:

33. *Chrysosoma protervum* Parent,1941

1941.Ann.Mag.nat.Hist(11)7:205.TL: Pirmed, Travancore, India.

Distribution India: Pirmed, Travancore.

Distribution Elsewhere:

34. *Chrysosoma pulcherrimum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??.??].TL: Sri Lanka & India. Madras: Nilgiri Hills.

Distribution India: Madras: Nilgiri Hills, Travancore.

Distribution Elsewhere: Sri Lanka.

35. *Chrysosoma punctiforme* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Bangladesh. E Himalayas, Sukna.

Distribution India: Madhya Pradesh. E Himalayas.

Distribution Elsewhere: Bangladesh. Sukna.

36. *Chrysosoma pusillum* (Macquart,1842)

1842. Macquart, P. J. M. Dipteres exotiques nouveaux ou peu connus. Tome deuxieme.--2e partie. Mem. Soc. R. Sci. Agric. Arts, Lille 1841(1): 65-200, 22 pls. [1842.??].TL: Indes orientales.

Distribution India: Bihar, Madras, Uttar Pradesh, W Bengal.

Distribution Elsewhere: Sri Lanka.

37. *Chrysosoma sagax* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India.

Distribution India: India.

Distribution Elsewhere:

38. *Chrysosoma sigmatinerve* Parent,1937

1937.Bull.Annls.Soc.r.ent.Belg.77:140.TL: India. Madras: Palni Hills, Kodaikanal (HT M BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal.

Distribution Elsewhere:

39. *Chrysosoma strangulum* Becker,1922

1922.Capita zool.1(4):150.TL: Kulattupuzha, Maddathoray, W base of W Ghats and Trivandrum,Trivancore.

Distribution India: Kulattupuzha, Maddathoray, W base of W Ghats and Trivandrum, Trivancore, Kerala.

Distribution Elsewhere:

40. *Chrysosoma tenuipes* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. TL: India. West Bengal: Kurseong & Simla Hills, Barogh.

Distribution India: Himachal Pradesh, West Bengal: Kurseong & Simla Hills, Barogh.

Distribution Elsewhere:

41. *Chrysosoma triligatum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. TL: Perumal, Trichinopoly, & Coonoor, Nilgiri Hills, S India.

Distribution India: Perumal, Trichinopoly, & Coonoor, Nilgiri Hills, S India.

Distribution Elsewhere:

42. *Chrysosoma trisignatum* Parent,1941

1941. Parent.Ann.Mag.natn.Hist.(11) 7:205. TL: Pirmed, Travancore, India (HT A BMNH).

Distribution India: Pirmed, Travancore.

Distribution Elsewhere:

43. *Chrysosoma undulatum* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. TL: Dibrugarh, & Sylhet, Assam (E Pakistan).

Distribution India: Dibrugarh. Assam.

Distribution Elsewhere: Bangladesh. Sylhet.

44. *Chrysosoma vanum* Parent,1941

1941. Parent.Ann.Mag.natn.Hist.(11) 7:209.TL: India. Nelliampathi Hills, Top Slip Camp; Periyar Dam, Thekadi (HT A BMNH).

Distribution India: Nelliampathi Hills, Top Slip Camp; Periyar Dam, Thekadi, Tenmalai, Travancore, Burliyar, Coonoor Ghant, S India.

Distribution Elsewhere:

45. *Chrysosoma vittatum* (Wiedemann,1819)

1819. Wiedemann, C. R. W. Beschreibung neuer Zweiflugler aus Ostindien und Afrika. Zool. Mag. (Wiedemann's) 1(3): 1-39. [1819.??].TL: Indonesia. Java.

Distribution India: Assam, Madras, W Bengal.

Distribution Elsewhere: Indonesia. Java, Borneo, Celebes, Sri Lanka, Indochina, Malaya, Phillipines[Luzon], Sumatra.

46. *Chrysosoma xanthocyaneum* Parent,1934

1934. Parent, O. Dipteres Dolichopodides exotiques. Mem. Soc. Natn. Sci. Nat. Math. Cherbourg (1929-1933) 41: 257-308, pls. 67-79. TL: India. Mysore: Babadudin Hills (HT F BMNH).

Distribution India: Mysore: Babadudin Hills.

Distribution Elsewhere:

47. *Chrysosoma proliciens* (Walker, 1856)

1856. Walker, F. Catalogue of the dipterous insects collected at Sarawak, Borneo, by Mr. A. R. Wallace, with descriptions of new species. J. Proc. Linn. Soc. London Zool. 1: 105-136. [1856.11.01].TL: Malaysia. Sarawak (T F BMNH).

Distribution India: India.

Distribution Elsewhere: Boreno, Java, Malaya, Philippines[Luzon],Sumatra, northern Australia, Maluku.

III. Genus- *Condylostylus* Bigot,1859

48. *Condylostylus albifrons* Parent,1932

1932. Parent. Annls.Soc.scient.Brux.(B) 52:215. TL: India. Assam.

Distribution India: Assam.

Distribution Elsewhere:

49. *Condylostylus caii* Parent,1934

1934. Parent, O. Additions a la faune ethiopienne (Dipteres: Dolichopodides). Bull. Soc. r. ent. Egypte 18: 112-138.TL: India. Madras: Trichinopoly.

Distribution India: Madras: Trichinopoly.

Distribution Elsewhere:

50. *Condylostylus conspectus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. TL: India. West Bengal: Calcutta, & Unchagoan, Naini Tal District, base of W Himalayas.

Distribution India: West Bengal: Calcutta, & Unchagoan, Naini Tal District, base of W Himalayas, Mysore, Uttat Pradesh.

Distribution Elsewhere: Myanmar.

51. *Condylostylus imperfectus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. TL: India.

Distribution India: India.

Distribution Elsewhere:

52. *Condylostylus luteicoxa* Parent,1929

1929.Parent. Annls.Soc.scient.Brux.(B) 49:225.TL: India. Assam: Khasi Hills.

Distribution India: Assam: Khasi Hills.

Distribution Elsewhere:

53. *Condylostylus nigrosetosus* Parent,1937

1937. Parent.Bull. Annls Soc.r.ent.Belg.77 :142. TL: India. Madras: Palni Hills, Kodaikanal (HT F BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal.

Distribution Elsewhere:

54. *Condylostylus poecilus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247.TL: India. Shembaganur & Madura.

Distribution India: Shembaganur & Madura.Madras.

Distribution Elsewhere:

55. *Condylostylus profundus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247.TL: India. Madras: Palni Hills, Kodaikanal & Trichinopoly.

Distribution India: Madras: Palni Hills, Kodaikanal & Trichinopoly.

Distribution Elsewhere:

56. *Condylostylus scopulosus* Parent,1937

1937.Bull.Annls Soc.r ent. Belg.77:143. TL: India. Madras: Palni Hills, Kodaikanal (HT A BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal.

Distribution Elsewhere:

57. *Condylostylus theodori* Frey,1925

1925. *Condylostylus theodori* .Frey.Notul.ent.5:77.TL:n.n. *beckeri*.

1925. *Condylostylus beckeri* .Frey. Notul.ent.5:19.TL:n.n. *vigilans*.

1922. *Condylostylus vigilans*. Becker.Capita zool.1(4):226.TL:Taihorin, Koshun, Toyenmongai, Tainan, Toa, Tsuikutsu and Kankan, Formosa and Darjeeling, India.

Distribution India: Assam, W Bengal. Darjeeling.

Distribution Elsewhere: China [Kiangsu], Taiwan, Philippines, Taihorin, Koshun, Toyenmongai, Tainan, Toa, Tsuikutsu and Kankan, Formosa.

IV. Genus- *Megistostylus* Bigot,1859

58. *Megistostylus longicornis* (Fabricius,1775)

1775. Fabricius, J. C. Systema entomologiae, sistens insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus. Kortii, Flensbvrge et Lipsiae [= Flensburg & Leipzig]. [32] + 832 p. [1775.04.17].TL: West Indies. Virgin Is., St. Croix [as "America"].

Distribution India: W Bengal.

Distribution Elsewhere: Celebes, Sri Lanka, Flores, Java, Philippines[Luzon,Leyte], Brazil, W Indies, French Polynesia, West Indies, Lombok, Sumbawa, Sumatra, Australia, Bismark Archipelago, Key Island, Moluccas(Amboina, Buru, Waigeo), New Britain, New Guinea, Solomon Isl.

V. Genus- *Mesorhaga* Schiner,1868

59. *Mesorhaga circumflexa* Parent,1937

1937. Parent. Bull. Annls Soc.r.ent.Belg.77:144.TL: India. Madras: Palni Hills, Kodaikanal (HT M BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal.

Distribution Elsewhere:

60. *Mesorhaga nigrobarbata* Parent,1937

1937. Parent. Bull. Annls Soc.r.ent.Belg.77:145.TL: India. Madras: Palni Hills, Kodaikanal (HT M BMNH).

Distribution India: Madras: Palni Hills, Kodaikanal.

Distribution Elsewhere:

61. *Mesorhaga paupercula* Parent,1937

1937.Parent. . Bull. Annls Soc.r.ent.Belg.77:146.TL: India. Shembaganur, nr Kodaikanal (HT F BMNH).

Distribution India: Shembaganur, nr Kodaikanal, Madras.

Distribution Elsewhere:

VI. Genus- *Sciapus* Zeller,1842

62. *Sciapus adhaerens* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Madras: Trichinopoly.

Distribution India: Madras: Trichinopoly.

Distribution Elsewhere:

63. *Sciapus infans* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Orissa: Balighai, near Puri.

Distribution India: Orissa: Balighai, near Puri.

Distribution Elsewhere:

64. *Sciapus interdictus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Maharashtra: Bombay.

Distribution India: Maharashtra: Bombay.

Distribution Elsewhere:

65. *Sciapus pediformis* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Darjeeling.

Distribution India: West Bengal: Darjeeling.

Distribution Elsewhere:

66. *Sciapus penicillats* Becker,1922

1922.Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL:Shillong.Assam.India.

Distribution India: Shillong.Assam.

Distribution Elsewhere:

67. *Sciapus tardus* Becker,1922

1922.Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. T'ai-pei: Taipei [=Taihoku]; Kankau; Tainan.

Distribution India: W Bengal.

Distribution Elsewhere: Taiwan. T'ai-pei: Taipei [=Taihoku]; Kankau; Tainan, Formosa.

68. *Sciapus turbidus* Becker,1922

1922.Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Orissa: Balighai, near Puri.

Distribution India: Orissa.

Distribution Elsewhere:

**Sub-Family Neurigoninae
VII. Genus- *Neurigona* Rondani,1856**

69. *Neurigona angulata* de Meijere,1916

1916.de Meijere.Tijdschr.Ent.59:228.TL: Indonesia. Java.

Distribution India: Maharashtra.

Distribution Elsewhere: Boreno, Sri Lanka, Bangladesh, Java, Seychelles, Buru, Bismark Archepelago, Solomon Isl.

70. *Neurigona denudata* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. Tainan, Pilan, Koshun, Kosempo; Australia. Kuranda. Sri Lanka. Bangladesh. Sylhet; India. Bengal: Calcutta (ST M F DEI, ZSI, ZMHU).

Distribution India: W Bengal. Calcutta.

Distribution Elsewhere: Sri Lanka, Taiwan, Taiwan. Tainan, Pilan, Koshun, Kosempo; Australia. Kuranda. Sri Lanka. Bangladesh. Sylhet.

71. *Neurigona ornatipes* Parent,1934

1934. Parent, O. Dipteres Dolichopodides exotiques. Mem. Soc. Natn. Sci. Nat. Math. Cherbourg (1929-1933) 41: 257-308, pls. 67-79.TL: India. Shevaroy (HT M BMNH).

Distribution India: Shevaroy.Madras.

Distribution Elsewhere:

72. *Neurigona pectinata* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. Tainan, Kosempo, & Kankau; India. Purneah, Bihar & Calcutta.

Distribution India: Bihar. Purneah, & Calcutta. W Bengal.

Distribution Elsewhere: Taiwan. Tainan, Kosempo, & Kankau.

Sub-Family Dolichopodinae

VIII. Genus- *Dolichopus* Latreille,1796

73. *Dolichopus angustinervis* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. Tachorin, Berg Hodzau & India. Assam.

Distribution India: Assam. Shillong, W Bengal.

Distribution Elsewhere: China [Kiangsu], Taiwan, Nepal.

74. *Dolichopus indicus* Parent,1934

Parent, O. 1934. Additions a la faune ethiopienne (Dipteres: Dolichopodides). *Bull. Soc. r. ent. Egypte* 18: 112-138 .TL: India. Madras: Trichinopoly.

Distribution India: Madras: Trichinopoly.

Distribution Elsewhere:

75. *Dolichopus saphirus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Bombay: Thana District, Matheran, 40 mi E Bombay.

Distribution India: Bombay: Thana District, Matheran, 40 mi E Bombay.Maharashtra.

Distribution Elsewhere:

76. *Dolichopus nitens* (Fabricius, 1805)

1805. Fabricius, J. C. *Systema antliatorum secundum ordines, genera, species...* xiv + 15-372 + [1] + 30 pp. C. Reichard, Brunsvigae [=Brunswick]. [1805.??].TL: India. Tamil Nadu: Tharangambadi [11.03 N 79.84 E] [as "India orientali"] (T A UZMC).

Distribution India: Tamil Nadu: Tharangambadi [11.03 N 79.84 E].

Distribution Elsewhere:

77. *Dolichopus ziczac* Wiedemann, 1824

1824. Wiedemann, C. R. W.... *Analecta entomologica ... Regio Typographeo scholarum, Kiliae [=Kiel].* 60 pp., 1 pl. [1824.??].TL: India Orient.

Distribution India: India.

Distribution Elsewhere: Borneo, Myanmar, Sri Lanka, E Pakistan, Taiwan, , Java, Malaya.

78. *Dolichopus exsul* Aldrich, 1922

1922.Aldrich, J. M. Two-winged flies of the genera *Dolichopus* and *Hydrophorus* collected in Alaska in 1921, with new species of *Dolichopus* from North America and Hawaii. *Proc. U.S. Natl. Mus.* 61 (25) [#2446], 18 pp. TL: USA. Hawaii (T USNM).

Distribution India: India.

Distribution Elsewhere: USA. Hawaii; China (Palearctic), ,Nepal, Taiwan.

IX. Genus- *Hercostomus* Loew,1857

79. *Hercostomus bitinctus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Assam: Mangaldai District, Mangaldai.

Distribution India: Assam: Mangaldai District, Mangaldai.

Distribution Elsewhere:

80. *Hercostomus breviventris* Parent,1941

1941.*Ann.Mag.nat.Hist.*(11)7:217.TL: India. Coimbatore Distr. Bolamputti Valley (HT M BMNH).

Distribution India: Coimbatore Distr. Bolamputti Valley.

Distribution Elsewhere:

81. *Hercostomus caecus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. West Bengal: Darjeeling.

Distribution India: West Bengal: Darjeeling.

Distribution Elsewhere:

82. *Hercostomus compositus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Mahabaleshwar, Satra District, Bombay Presidency, India.

Distribution India: Mahabaleshwar, Satra District, Bombay Presidency. Maharashtra.

Distribution Elsewhere:

83. *Hercostomus elongatus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. East Punjab: Simla Hills.

Distribution India: East Punjab: Simla Hills. Himachal Pradesh.

Distribution Elsewhere:

84. *Hercostomus geminatus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Bengal: Calcutta, Bengal, & Bangladesh. Assam: Sylhet.

Distribution India: Calcutta, W Bengal, Assam.

Distribution Elsewhere: Bangladesh., Sylhet.

85. *Hercostomus gregalis* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. Toyenmongai, & Chip-Chip.

Distribution India: W Bengal.

Distribution Elsewhere: Taiwan. Toyenmongai, & Chip-Chip, Myanmar.

86. *Hercostomus neglectus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Himachal Pradesh: Simla.

Distribution India: Himachal Pradesh: Simla.

Distribution Elsewhere:

87. *Hercostomus praetentans* Lamb, 1924

1924. *Rec. Indian Mus.* 26:108. TL: India. Assam: Garo Hills, Siju Cave.

Distribution India: Assam: Garo Hills, Siju Cave.

Distribution Elsewhere:

88. *Hercostomus promotus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Kankau, Kosempo and Sokotau, Formosa; Dharampur, Simla Hills, India.

Distribution India: Simla Hills, Dharampur, Himachal Pradesh.

Distribution Elsewhere: Taiwan. Kankau, Koesmpo, & Sokotau.

89. *Hercostomus fulgidipes* (Becker, 1922)

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Simla Hills, Barogh.

Distribution India: Simla Hills, Barogh., Himachal Pradesh.

Distribution Elsewhere:

90. *Hercostomus imperfectum* (Becker, 1922)

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. Berg Hoozan, & Kosempo; & India. Kumaon: nr Bhowali.

Distribution India: Uttar Pradesh: . Kumaon: nr Bhowali.

Distribution Elsewhere: Taiwan : Berg Hoozan, & Kosempo.

Sub genus *Hercostomus* Loew, 1857

91. *Hercostomus* (*Hercostomus*) *chetifer* (Walker, 1849)

Walker, F. 1849. List of the specimens of dipterous insects in the collection of the British Museum. Part II, [iii]+231-484. [1849.04.21]; Part III: [iii]+485-687. [1849.06.30]; Part IV. Pp. [3] + 689-1172 + [2] [1849.12.08] British Museum (Natural History), London. TL: England (T A BMNH).

Distribution India: Uttar Pradesh.

Distribution Elsewhere: England, Europe, Russia, North Caucasus.

X. Genus- *Paraclius* Loew, 1864

92. *Paraclius abbreviatus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Assam: Sylhet; Nepal. Tharbani; & Singapore, Malaysia.

Distribution India: Assam.

Distribution Elsewhere: E Pakistan, Malaya, Nepal.

93. *Paraclius adligatus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. T'ai-nan: Takao; Chip-Chip; Bangladesh. Sylhet.

Distribution India: Assam.

Distribution Elsewhere: Myanmar, Sri Lanka, Taiwan, Malaya, E Pakistan, Philippines [Palawan].

94. *Paraclius nudus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. Sokutra, & Sokotau; Helvak, Koyna Valley, Satara District.

Distribution India: Maharashtra.

Distribution Elsewhere: Taiwan. Sokutra, & Sokotau; Helvak, Koyna Valley, Satara District.

95. *Paraclius pilosellus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. Kankau, Tappani, Hoozau, & Taihorin; Medha, Yenna Valley.

Distribution India: Maharashtra.

Distribution Elsewhere: Taiwan. Kankau, Tappani, Hoozau, & Taihorin; Medha, Yenna Valley.

96. *Paraclius regularis* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. Orissa: Balighai bei Puri; Australia. Kuranda.

Distribution India: Orissa: Balighai bei Puri.

Distribution Elsewhere: Australia.

97. *Paraclius setifemoratus* Parent, 1937

1937. *Bull. Annls. Soc. r. ent. Belg.* 77:146. TL: Naraikkadu, Tinnevely District, S India.

Distribution India: Naraikkadu, Tinnevely District, S India. Madras.

Distribution Elsewhere:

XI. Genus- *Pelastoneurus* Loew, 1861

98. *Pelastoneurus luteoscutatus* Parent, 1941

1941. *Ann. Mag. Nat. Hist.* (11)17:227. TL: India. Assam: Lower ranges of N Khasi Hills.

Distribution India: Assam: Lower ranges of N Khasi Hills.

Distribution Elsewhere:

99. *Pelastoneurus luteoscutatus* Parent, 1941

1941. *Ann. Mag. Nat. Hist.* (11)17:227. TL: India. Assam: N Khasi Hills, Lower Ranges.

Distribution India: Assam: Lower ranges of N Khasi Hills.

Distribution Elsewhere:

100. *Pelastoneurus inopinatus* Parent, 1934

1934. Parent, O. *Dipteres Dolichopodides exotiques.* *Mem. Soc. Natn. Sci. Nat. Math. Cherbourg* (1929-1933) 41: 257-308, pls. 67-79. TL: India. Punjab: Kangra Valley.

Distribution India: Punjab: Kangra Valley.

Distribution Elsewhere: China.

XII. Genus- *Tachytrechus* Haliday, 1851

101. *Tachytrechus indicus* Parent, 1934

1934. Parent, O. *Additions a la faune ethiopienne (Dipteres: Dolichopodides).* *Bull. Soc. r. ent. Egypte* 18: 112-138. TL: India. West Bengal: Kurseong.

Distribution India: West Bengal: Kurseong.

Distribution Elsewhere:

Sub-Family Medeterinae

XIII. Genus- *Medetera* Fischer von Waldheim,1819

102. *Medetera adsumpta* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Calcutta.

Distribution India: West Bengal: Calcutta.

Distribution Elsewhere:

103. *Medetera grisea* de Meijere,1916

1916. Meijere, J. C. H. de Studien über sudostasiatische Dipteren XII. Javanische Dolichopodiden und Ephydriden. Tijdschr. Ent. 59: 225-273.TL: Indonesia. Java

Distribution India: India.

Distribution Elsewhere: Seychelles, Oriental Reg., Samoa, Java, Australia, Bonin Isl., Fiji, Hawaiian Isl., New Caledonia, Northern Marianas, Volcano Isl., Western Samoa, Japan, Ryukus, widesp. OR.

104. *Medetera nudicoxa* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Darjeeling.

Distribution India: West Bengal: Darjeeling, Bihar.

Distribution Elsewhere:

105. *Medetera platychira* Meijere, 1916

1916. de Meijere .Tijdschr.Ent.59:261.TL: Indonesia. Java: Semarang.

Distribution India: West Bengal.

Distribution Elsewhere: Indonesia. Java: Semarang,Bangladesh.

Sub-Family Hydrophorinae

XIV. Genus- *Hydrophorus* Fallen,1823

106. *Hydrophorus praecox* (Lehman,1822)

1822. Lehmann, J. G. C. Observations zoologicae praesertim in faunam hamburgensem. Pugillus primus. Indicem scholarum publice privatimque in Hamburgensium Gymnasio Academico. 55 pp. Hamburgi [=Hamburg].TL: Germany. Hamburg.

Distribution India: Kashmir.

Distribution Elsewhere: Germany. Hamburg, Germany, Australia, Society Isl., NZ, widesp. Old World & Oceanic Isl., AF Reg., Canary Isl., Cape Verde Isl., St. Helena Isl.

XV. Genus- *Liancalomina* Stackelberg,1931

107. *Liancalomina fasciata* Parent,1934

1934. Parent, O. Dipteres Dolichopodides exotiques. Mem. Soc. Natn. Sci. Nat. Math. Cherbourg (1929-1933) 41: 257-308, pls. 67-79. TL: Schevaroy's-Yergaud, India (HT F BMNH).

Distribution India: Madras, Schevaroy's-Yergaud.

Distribution Elsewhere:

XVI. Genus- *Paralleloneurum* Becker,1902

108. *Paralleloneurum cilifemorum* Becker,1902

1902-03. Becker, T. Aegyptische Dipteren. Mitt. Zool. Mus. Berlin 2: 1-66, 1 pl. [1902.08.12]; 67-195, 4 pls. [1903.09.23].TL: Egypt. Alexandria & Fayum.

Distribution India: W Bengal.

Distribution Elsewhere: E Pakistan, Taiwan, Egypt.

XVII. Genus- *Thinophilus* Wahlberg,1844

109. *Thinophilus indigenus* Becker,1922

1902-03. Becker, T. Aegyptische Dipteren. Mitt. Zool. Mus. Berlin 2: 1-66, 1 pl. [1902.08.12]; 67-195, 4 pls. [1903.09.23].TL: Egypt. Cairo, Assut, Fayum, Luxor, Suez.

Distribution India: India.

Distribution Elsewhere: Egypt. Cairo, Assyut, Fayum, Luxor, Suez, Angola, Benin, Cape Verde Isl., Congo, Ethiopia, Ghana, Madagascar, Namibia, Nigeria, South Africa, South Yemen, Swaziland, Tanzania; PA: Algeria, Egypt, Iran, Mongolia, Turkey; OR.: Malaysia, Nepal, Philippines, Taiwan.

Sub genus *Thinophilus* Wahlberg, 1844

110. *Thinophilus (Thinophilus) diminuatus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. T'ai-nan: Takao; Tainan, & Kanshirei; Ganges Delta, India.

Distribution India: Orissa, Kanshirei; Ganges Delta.

Distribution Elsewhere: Taiwan. T'ai-nan: Takao; Tainan, Philippines [Luzon].

111. *Thinophilus (Thinophilus) trimaculatus* Parent, 1934

1934. Parent, O. Dipteres Dolichopodides exotiques. *Mem. Soc. Natn. Sci. Nat. Math. Cherbourg* (1929-1933) 41: 257-308, pls. 67-79. TL: India. United Prov.: Allahabad.

Distribution India : Uttar Pradesh. Allahabad.

Distribution Elsewhere :

112. *Thinophilus (Thinophilus) tessellatus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Taiwan. Tainan & India. Bengal: Rajshai.

Distribution India: W Bengal. Rajshai.

Distribution Elsewhere: Taiwan, Philippines [Mindoro].

XVIII. Genus- *Peodes* Loew, 1857

113. *Peodes nicobarensis* (Schiner, 1868)

1868. Schiner, I. R. *Diptera.* vi + 388 pp., 4 pls. In [Wullerstorff-Urbair, B. von (in charge)], *Reise der osterreichischen Fregatte Novara.* *Zool.* 2(1)B. K. Gerold's Sohn, Wien. [1868.04.30]. TL: Sambelong, Nicobar Island (T A NMW).

Distribution India: Sambelong, Nicobar Island.

Distribution Elsewhere:

XIX. Genus- *Thambemyia* Oldroyd, 1956

114. *Thambemyia (Thambemyia) lopatini* Grichanov, 2013

2013. Grichanov. A new species of *Thambemyia* Oldroyd, 1956 (Diptera: Dolichopodidae) from Gujrat, India. *Caucasian Entmol. Bull.* 2013. 9(1): 191-193.

Distribution India: Gujrat.

Distribution Elsewhere:

Sub-Family Rhapsiinae

XX. Genus- *Syntormon* Loew, 1857

115. *Syntormon elongatum* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: Kufri, Simla Hills, W Himalayas.

Distribution India: Himachal Pradesh, Uttar Pradesh.

Distribution Elsewhere:

116. *Syntormon frivolum* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. *Capita Zool.* 1 (4): 1-247. [1922.??].TL: India. W Himalayas, Simla Hills, Dharampur.

Distribution India: Himachal Pradesh, Uttar Pradesh.

Distribution Elsewhere:

Sub-Family Diaphorinae

XXI. Genus- *Argyra* Macquart, 1834

117. *Argyra pseudosuperba* Hollis, 1964

1964. Hollis, D. On the Diptera of Nepal (Stratiomyidae, Therevidae and Dolichopodidae). *Bull. Brit. Mus. (Nat. Hist.) Ent.* 15: 83-116. [1964.07.21]. TL: Nepal. Taplejung: Sangu, 6,200 ft (HT F BMNH).

Distribution India: India.

Distribution Elsewhere: Nepal. Taplejung: Sangu.

XXII. Genus- *Asyndetus* Loew, 1869

118. *Asyndetus latifrons* (Loew, 1857)

1857. Loew, H. Neue Beitrage zur Kenntniss der Dipteren. Funfter Beitrag. Progr. K. Realschule Meseritz 1857: 1-56. [1857.04.06].TL: Silesia.

Distribution India: Bihar, W Bengal.

Distribution Elsewhere: E Pakistan, Taiwan, Philippines; C Europe.

119. *Asyndetus thaicus* Grootaert & Meuffels, 2003

2003. Grootaert, P. & Meuffels, H. New species of *Asyndetus*, presumed commensal flies of crabs, in Thailand (Diptera, Dolichopodidae, Diaphorinae). The Natural History Journal of Chulalongkorn University 2(2): 37-45. [2003.08.??].TL: Thailand. Rayong: Ko Samed, Tarn Tawan.

Distribution India: Goa, Gujrat.

Distribution Elsewhere: Thailand. Rayong: Ko Samed, Tarn Tawan.

XXIII. Genus- *Chaetogonopteron* de Meijere, 1914

120. *Chaetogonopteron revasiddaiahi* Olejnicek, 2002

2002. Olejnicek .A note to the genus *Chaetogonopteron* (Insecta: Diptera: Dolichopodidae) of India with description of two new species . Journal of Experimental Zoology India .5(1):53-56.TL: India. Karnataka. Bangalore.

Distribution India: Karnataka. Bangalore.

Distribution Elsewhere:

121. *Chaetogonopteron shettyi* Olejnicek, 2002

2002. Olejnicek .A note to the genus *Chaetogonopteron* (Insecta: Diptera: Dolichopodidae) of India with description of two new species . Journal of Experimental Zoology India.5(1):53-56.TL: India. Karnataka. Bangalore.

Distribution India: Karnataka. Bangalore.

Distribution Elsewhere:

122. *Chaetogonopteron nectarophagum* (Curran, 1924)

Three new Dolichopodidae from British South Africa (Diptera). Revue Zoologique Africaine.12 :469-475.TL: India.

Distribution India: India.

Distribution Elsewhere:

XXIV. Genus- *Chrysotus* Meigen, 1824

123. *Chrysotus alternus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Myanmar. Tenasserim: Dawna Hills.

Distribution India: Sikkim, W Bengal.

Distribution Elsewhere: Myanmar.

124. *Chrysotus degener* Frey, 1917

1917. Frey .Ofvers.finska Vet.Soc.Forh.59B(20):11. TL: Sri Lanka. Anuradhapura.

Distribution India: India.

Distribution Elsewhere: Sri Lanka. Anuradhapura.

125. *Chrysotus discretus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Uttar Pradesh: Dehra Dun District, Jaunsa Division, Mundali.

Distribution India: Assam, Uttar Pradesh, W Bengal.

Distribution Elsewhere: Myanmar, Taiwan.

126. *Chrysotus gratiosus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. Toa Tsui Kutsu & India. Calcutta.

Distribution India: Calcutta.

Distribution Elsewhere: Taiwan. Toa Tsui Kutsu.

XXV. Genus- *Diaphorus* Meigen,1824

127. *Diaphorus aptatus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Calcutta (LT M ZMHU).

Distribution India: Calcutta. W Bengal.

Distribution Elsewhere: Taiwan, Philippines [Luzon, Mindoro, Masbate], Laos.

128. *Diaphorus detectus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Purneah, Bihar, & Pallode, NE of Trivandrum, Travancore, Madras.

Distribution India: Purneah, Bihar, & Pallode, NE of Trivandrum, Travancore, Madras.

Distribution Elsewhere: Sri Lanka, Lombok, Philippines [Luzon].

129. *Diaphorus discrepans* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. environs of Calcutta.

Distribution India: Calcutta. W Bengal.

Distribution Elsewhere:

130. *Diaphorus flavipilus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Bombay & Madras:Travancore,Shasthancottah.12 mi NNE of Quilon.

Distribution India: India. Bombay.Maharashtra & Madras:Travancore,Shasthancottah.12 mi NNE of Quilon.

Distribution Elsewhere:

131. *Diaphorus habilis* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Stiripur, Saran, Bihar, & Monghyr, Bengal, India.

Distribution India: Stiripur, Saran, Bihar, & Monghyr, Bengal.

Distribution Elsewhere:

132. *Diaphorus hirsutipes* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Darjeeling.

Distribution India: West Bengal: Darjeeling.

Distribution Elsewhere:

133. *Diaphorus intermixtus* Becker,1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Assam: Margharita.

Distribution India: Assam, W Bengal, Uttar Pradesh.

Distribution Elsewhere:

134. *Diaphorus mandarinus* Wiedemann,1830

1830. Wiedemann, C. R. W. Aussereuropaische zweiflugelige Insekten. Zweiter Theil. Schulz, Hamm. xii + 684 pp., 5 pls. [1830.09.22].TL: China.

Distribution India: India.

Distribution Elsewhere: Borneo, Myanmar, China, E Pakistan, Taiwan, Java, Nepal.

135. *Diaphorus maurus* Osten Sacken,1882

1882. Osten Sacken, C. R. Diptera from the Philippine Islands brought home by Dr. Carl Semper, and described by C.R. Osten Sacken. Berl. Ent. Z. 26: 83-120 [1882.04.??],187-252 [1882.12.??].TL: Philippine Islands.

Distribution India: W Bengal.

Distribution Elsewhere: Sri Lanka, Java, Philippines [Luzon, Masbate], Maluku, PNG, Bismarcks.

136. *Diaphorus minor* de Meijere,1916

1916. Meijere .Tijdschr.Ent.(Suppla.) 59:241.TL: Indonesia. Java: Semarang.

Distribution India: W Bengal.

Distribution Elsewhere: Taiwan, Java; New Guinea, Australia, Indonesia. Java: Semarang.

137. *Diaphorus morio* de Meijere, 1924

1924. Meijere .Tijdschr.Ent.(Suppla.) 67:17.TL: Indonesia. Sumatra: Serapai.

Distribution India:

Distribution Elsewhere: Indonesia. Sumatra: Serapai.

138. *Diaphorus nigerrimus* de Meijere, 1913

1913. Meijere .Nova Guinea 9 (Zool.)3:351.TL: New Guinea. River Camp.

Distribution India: Madras.

Distribution Elsewhere: New Guinea. River Camp, Sri Lanka.

139. *Diaphorus protervus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. Tainan & Toa Tsui Kutsu & India, Calcutta.

Distribution India: Calcutta.

Distribution Elsewhere: Taiwan. Tainan & Toa Tsui Kutsu, Myanmar, Taiwan, Lombok.

140. *Diaphorus submixtus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. Assam: Margharita.

Distribution India: Assam: Margharita.

Distribution Elsewhere:

141. *Diaphorus ochripes* (Becker, 1924)

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan.

Distribution India: Madras.

Distribution Elsewhere: Taiwan, Borneo, Taiwan, Philippines [Mindanao], Sumbawa.

XXVI. Genus- *Trigonocera* Becker, 1903

142. *Trigonocera specialis* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. environs of Calcutta.

Distribution India: Calcutta. W Bengal.

Distribution Elsewhere:

XXVII. Genus- *Shamshevia* Grichanov, 2012

143. *Shamshevia reshchikovi* Grichanov, 2012

2012. Grichanov. Discovery of *Shamshevia* Grichanov in the Oriental Region (Diptera:Dolichopodidae). Zootaxa.2012.3329:64-68.

Distribution India: Goa.

Distribution Elsewhere:

Sub-Family Sympycninae

XXVIII. Genus- *Sympycnus* Loew, 1857

144. *Sympycnus bicusculus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Taiwan. Sokotau & Toa Tsui Kutsu.

Distribution India: Maharashtra

Distribution Elsewhere: Myanmar, Taiwan. Sokotau & Toa Tsui Kutsu, Philippines [Luzon].

145. *Sympycnus simplex* de Meijere, 1916

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Indonesia. Java: Wonosobo, Nongkodjadjar, Gunung Ungaran & Semarang.

Distribution India: Assam, W Bengal.

Distribution Elsewhere: Indonesia. Java: Wonosobo, Nongkodjadjar, Gunung Ungaran & Semarang.

146. *Sympycnus subjectus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Madhupur & Myanmar. Tenasserim: Dawna Hills.

Distribution India: West Bengal: Madhupur .

Distribution Elsewhere: Myanmar. Tenasserim: Dawna Hills.

147. *Sympycnus turbidus* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: India. West Bengal: Kurseong.

Distribution India: West Bengal: Kurseong.

Distribution Elsewhere: Nepal, Philippines [Luzon], Flores.

148. *Sympycnus gummigutti* Becker, 1922

1922. Becker, T. Dipterologische Studien: Dolichopodidae der Indo-Australischen Region. Capita Zool. 1 (4): 1-247. [1922.??].TL: Nepal. Thamaspur. Myanmar. Dawna Hills, Tenasserim. India. Dajeeling.

Distribution India: W Bengal.

Distribution Elsewhere: Myanmar, Nepal.

[1-25] (See fig 1- 9)

I. FIGURES AND TABLES

Fig.1) Shows the various publication different authors who added new species to Indian Dolichopodidae

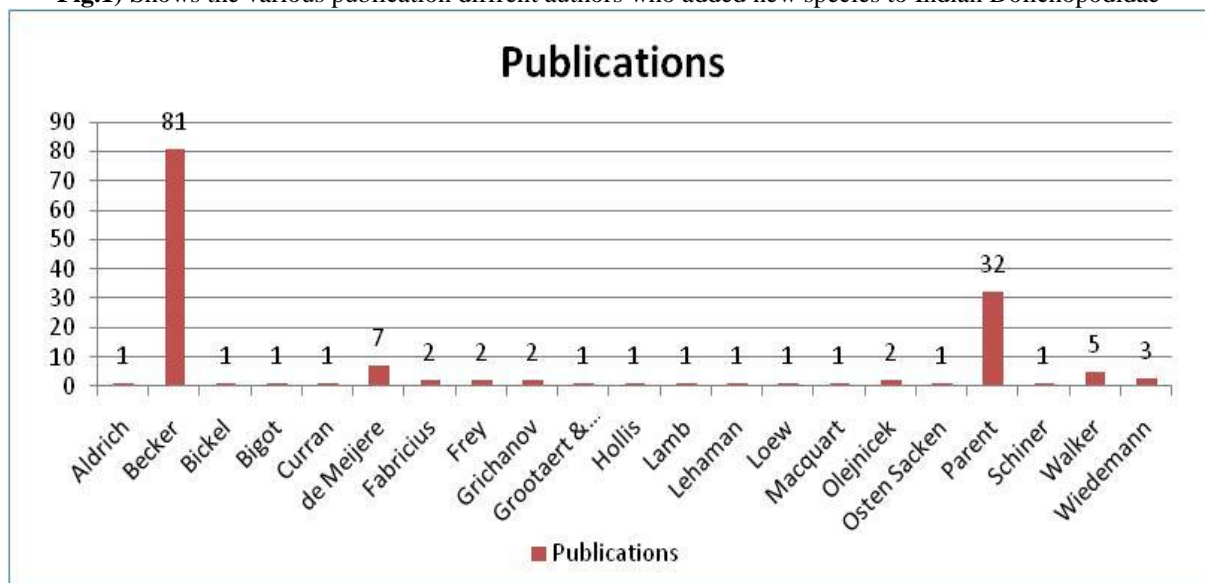


Fig.2) Shows time line and year wise contribution to Indian Dolichopodidae

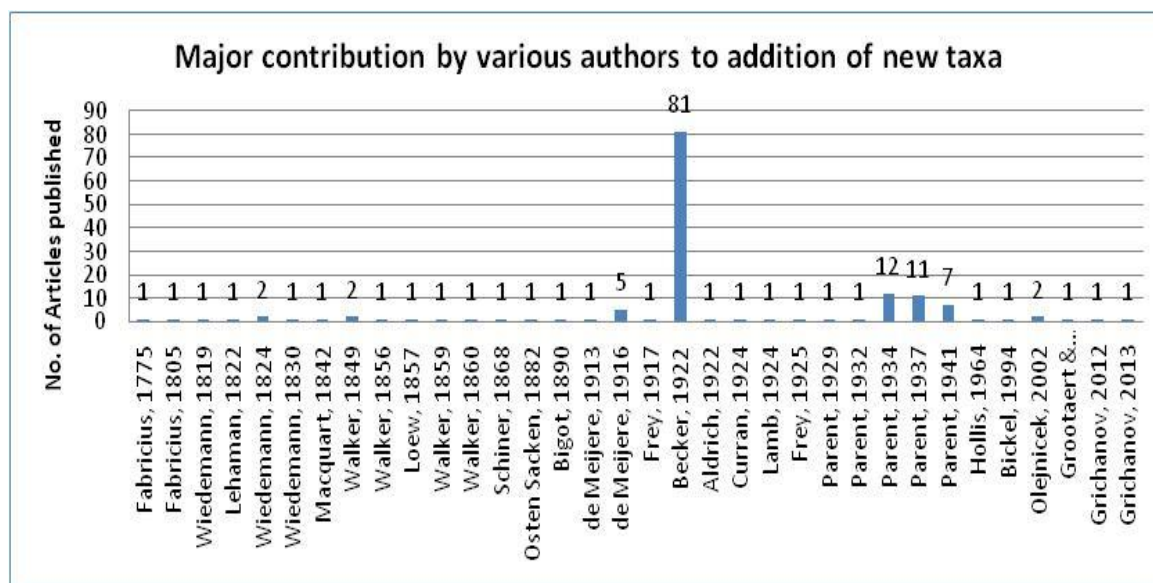


Fig.3) Shows the share of percentage of species in India and World of Dolichopodidae

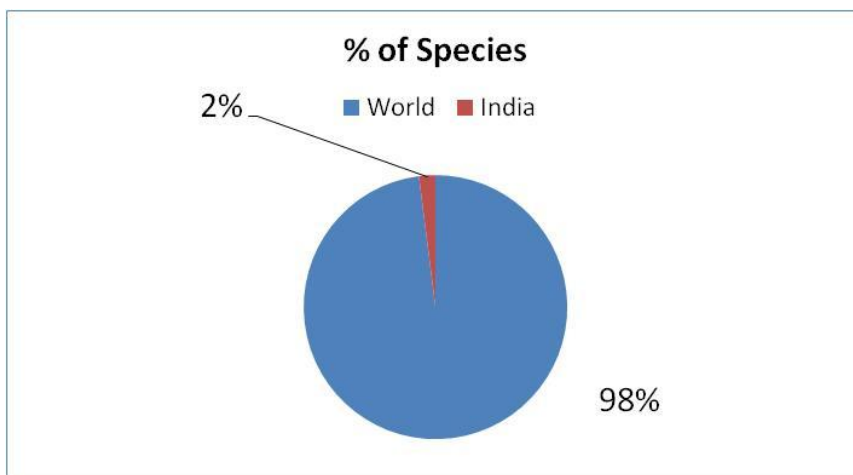


Fig.4) Shows the share of percentage of generas in India and World of Dolichopodidae

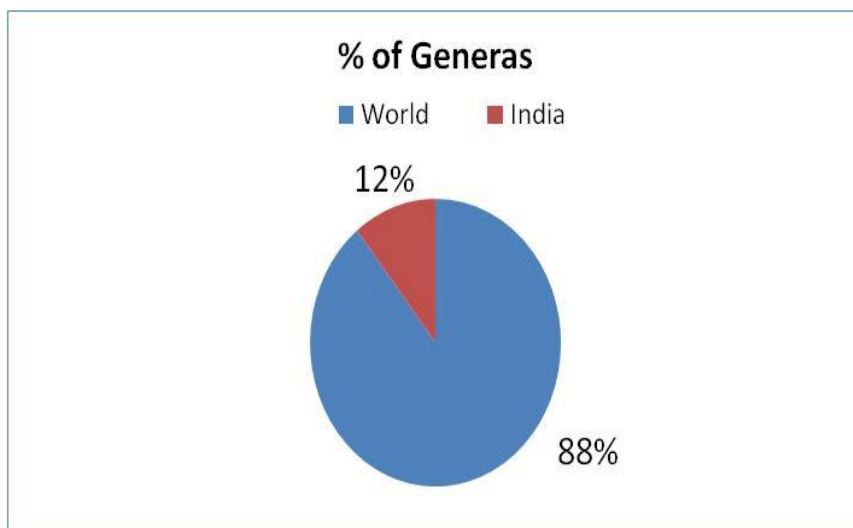


Fig.5) Shows time line of idea in no.of species of Indian Dolichopodidae in diffrent time periods (1775-2015) for about 240 years, and 148 species that are found till date in India.

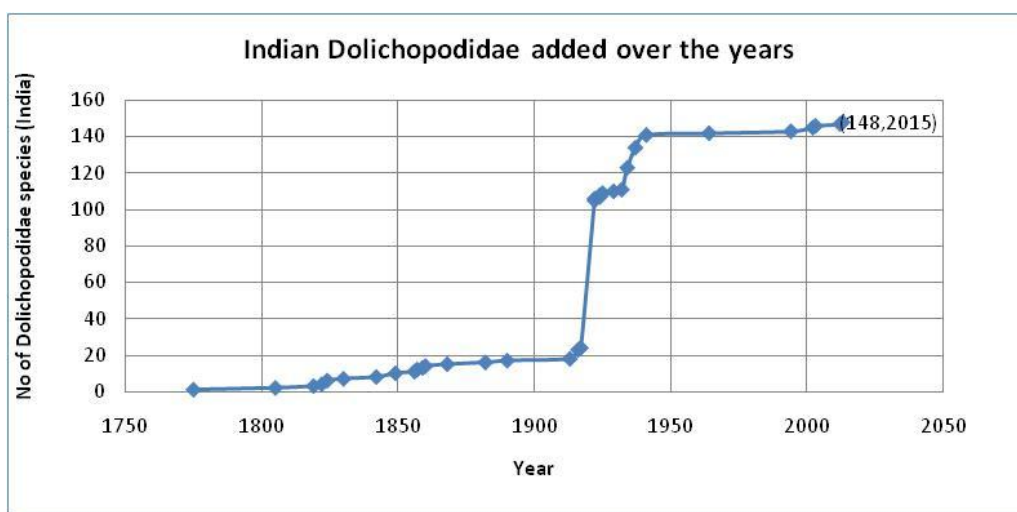


Fig.6) Shows the cummulative genera % of Indian Dolichopodidae in the various sub families present in India

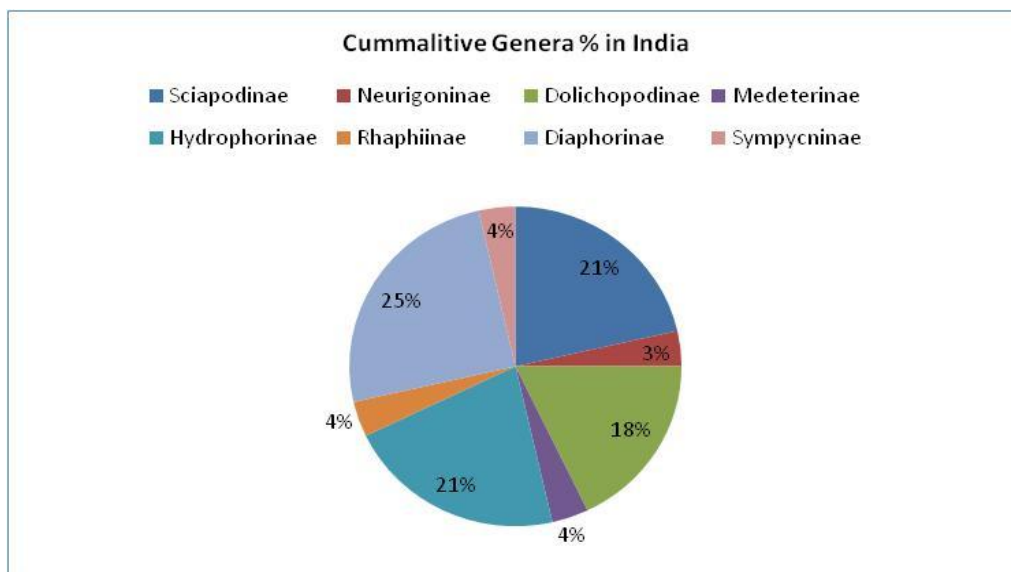


Fig.7) Shows the cummalitive species % of Indian Dolichopodidae in the various sub families present in India

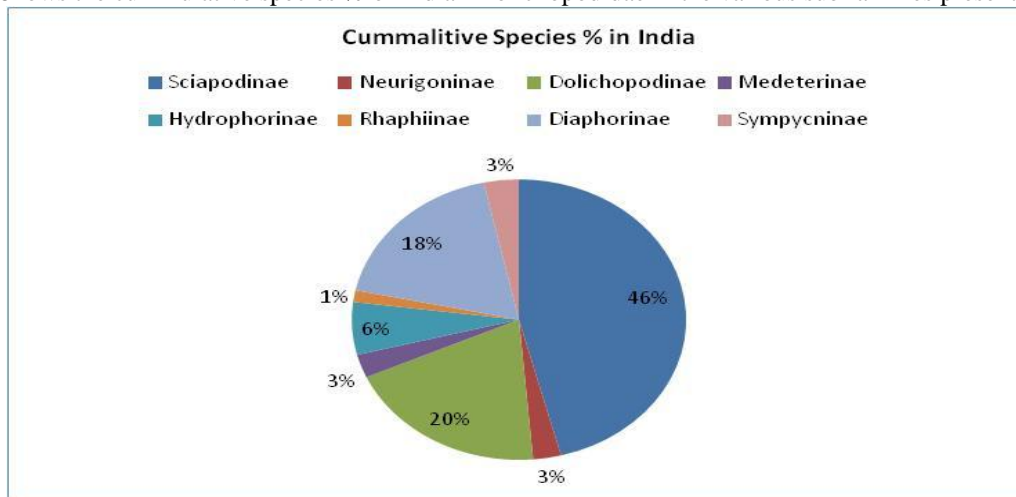


Fig.8) Shows the amount of generas in various subfamilies of Indian Dolichopodidae

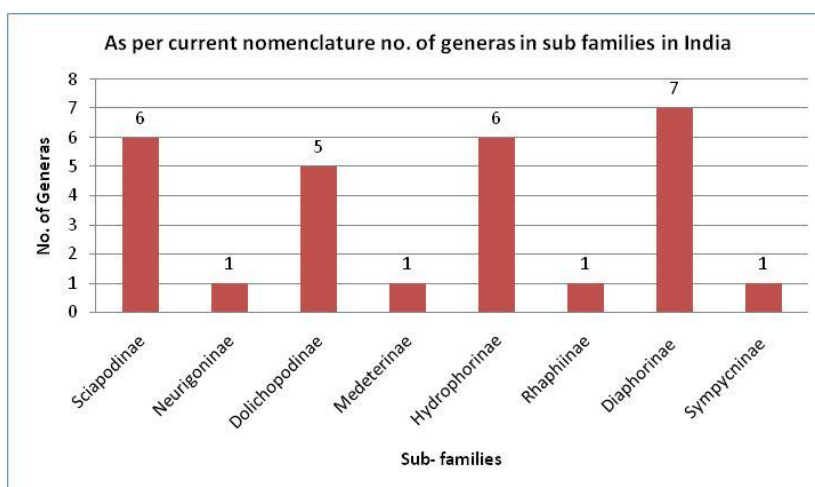
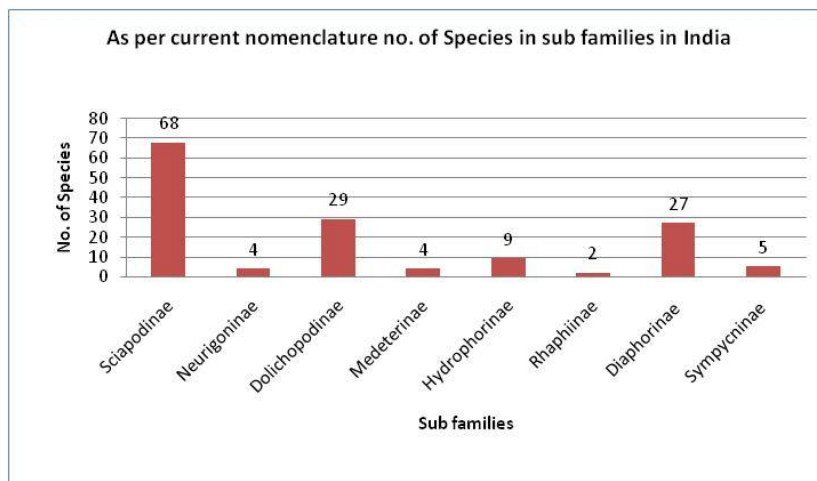


Fig.9) Shows the amount of species in various subfamilies of Indian Dolichopodidae



II. CONCLUSION

This is the first attempt towards a checklist of Indian Dolichopodidae, a previous attempt was made by Mercedes and Hardy (1977) in their compilation the Catalog of Oriental region, but due to geo political division, this list is no longer valid currently. Thus the need for an checklist or species inventory, to identify, classify, catagorise and for proper management of biological resource of our country, the need for the checklist arose. Besides this Dolichopodidae has been known to be environmental indicators and climate chance indicators, thus recording the biological diversity of Indian Dolichopodidae is the need of the hour.

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Checklist of Long legged fly: (Insecta: Diptera: Empidoidea: Dolichopodidae) of India

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