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Review Article

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DIVERSITY OF SIMONID SPIDERS (ARANEAE: SALTICIDAE: SALTICINAE) IN INDIA

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Abstract: Distribution of spiders belonging to 4 tribes of clade Simonida (Salticinae: Salticidae: Araneae) reported in India is dealt. The tribe Aelurillini (7 genera, 27 species) is represented in 16 states and in 2 union territories, Euophryini (10 genera, 16 species) in 14 states and in 4 union territories, Leptorchestini (2 genera, 3 species) only in 2 union territories, Plexippini (22 genera, 73 species) in all states except Mizoram and in 3 union territories, and Salticini (3 genera, 11 species) in 15 states and in 4 union territories. West Bengal harbours maximum number of species, followed by Tamil Nadu and Maharashtra. Out of 129 species of the spiders listed, 70 species (54.3%) are endemic to India.

Keywords: Aelurillini, Euophryini, India, Leptorchestini, Plexippini, Salticidae, Simonida.

INTRODUCTION

Spiders are chelicerate arthropods belonging to the order Araneae of class Arachnida. Till to date 48,804 described species under 4,180 genera and 128 families (WSC, 2020). Indian spider fauna was updated up to 1850 species belonging to 470 genera and 61 families (Caleb and Sankaran, 2020). However, there are several species in wild and museum collections that await description and classification. Salticidae Blackwall, 1841 (Arachnida: Araneae) includes jumping spiders and is the largest family of the order Araneae containing 646 genera and 6229 species globally (WSC, 2020). Maddison (2015) divided Salticidae into 7 subfamilies: Asemoneinae, Eupoinae,

Hisponinae, Lyssomaninae, Onomastinae, Salticinae and Spartaeinae. Out of all subfamilies, Salticinae comprises 93.7% of the species (5818 species, 576 genera, including few species of uncertain position, incertae sedis). Detail taxonomic features of all these subfamilies/tribes/subtribes and their phylogenetic relationship were already been explained by Maddison (2015) Maddison *et al.*, 2014, 2017). Recently, the distributions of following taxa of spiders recorded from different states and union territories of India were made available: Mygalomorphae (tarantulas and their close kin) (Singh and Singh, 2020), 6 subfamilies: Asemoneinae, Eupoinae, Hisponinae,

Lyssomaninae, Onomastinae, and Spartaeninae (Singh *et al.*, 2020a), two clades of Salticinae: Amycoidea and Astioida (Singh *et al.*, 2020b) and 4 tribes of Salticinae: Ballini, Dendryphantini, Chrysillini and Hasariini (Singh *et al.*, 2020c). The present article deals with the distribution of the clade Simonida (Salticinae: Salticoida: Saltafresia) in different Indian states and union territories.

MATERIALS AND METHODS

This checklist is based on the literature published in recent past books, journals and few authentic theses and WSC up to 25 September, 2020. Several species reported and described from India have been misidentified and seems to be reported erroneously as several species reported from India are said to be identified by using existing literature without a re-examination of the corresponding types and without consulting any spider taxonomist. Hence, these reports need re-examination. Also, in most of the literature, published earlier, several errors crept in their scientific names even in the recent ones. It happened because such contents become outdated quickly and, due to their perceived comprehensiveness, readers sometimes overlook newer sources of data. Additionally, the researches on spider taxonomy are continued with the description of new taxa, their modified status, and the publication of other nomenclatural decisions. In the present compilation, attempts have been made to correct these errors in the scientific names of the spiders following WSC (2020). Only those synonymies were mentioned that were reported in India, for other synonymy WSC (2020) may be consulted. All the endemic species are marked with (*).

RESULTS AND DISCUSSION

Representation of different clades, tribes, subtribes, genera and species in India is tabulated earlier (Singh *et al.*, 2020a). Out of 27 tribes in Salticinae (Maddison, 2015), only 17 tribes are recorded in India containing 314 species under 99 genera (Singh *et al.*, 2020a) The clade Simonida (Salticinae: Salticoida: Saltafresia) includes 5 tribes: Aelurillini, Euophryini, Leptorchestini, Plexippini, and Salticini. Figure 1 illustrates that the tribe Aelurillini (7 genera, 27 species) is represented in 16 states and in 2 union territories,

Euophryini (10 genera, 16 species) in 14 states and in 4 union territories, Leptorchestini (2 genera, 3 species) only in 2 union territories, Plexippini (22 genera, 72 species) in all states except Mizoram and in 3 union territories, and Salticini (3 genera, 11 species) in 15 states and in 4 union territories. The Plexippini is more speciose (72 species under 22 genera) followed by Aelurillini (7 genera, 27 species). The tribe Leptorchestini is very poorly represented, only 4 species under 2 genera and found only in Jammu & Kashmir (1 species) and Ladakh (2 genera, 3 species). West Bengal harbours maximum number of species (38 species) followed by Tamil Nadu (36 species), and Maharashtra (35 species) (Figure 1). Extensive survey for these spiders is required in larger states like Andhra Pradesh, Arunachal Pradesh, Bihar, Chattisgarh, Haryana, Himachal Pradesh, Jharkhand, Madhya Pradesh, Meghalaya, Punjab, Rajasthan, Telangana, and Uttar Pradesh that are poorly represented by these spiders. Despite the spiders are most diverse group of predators and being crucial to the health of terrestrial ecosystems, none of the species recorded in India is listed in IUCN Red List. These species are listed below along with suitable references in a taxonomic order: tribe, subtribe, genus and species. Out of 129 species of the spiders listed below in the clades Simonida, 70 species (54.3%) are endemic to India. Despite the spiders are most diverse group of predators and being crucial to the health of terrestrial ecosystems, none of the species recorded in India is listed in IUCN Red List.

List of spiders of clade Simonida Maddison, 2015 in Indian states and union territories

A. Tribe: Aelurillini Simon, 1901

1. *Aelurillus improvisus* Azarkina, 2002*

- Himachal Pradesh (Azarkina, 2002; Dhali *et al.*, 2017)
- Kerala (Adarsh and Nameer, 2016)
- Maharashtra (Rithe, 2012)
- Rajasthan (Patil *et al.*, 2016)
- West Bengal (Sen *et al.*, 2015; Dhali *et al.*, 2017)

2. *Aelurillus kronestedti* Azarkina, 2004

- Karnataka (Prashanthakumara and Venkateshwarlu, 2017)



Fig. 1: Distribution of spiders belonging to clade Simonida (Salticinae: Salticidae) in Indian states and union territories; A- Aelurillini, E- Euophryini, L- Leptorchestini, P- Plexippini and S- Salticini.

- Tamil Nadu (Caleb *et al.*, 2015, 2020a; Karthikeyani *et al.*, 2017)
- 3. *Aelurillus minimontanus* Azarkina, 2002***
 - Himachal Pradesh (Azarkina, 2002)
 - Rajasthan (Patil *et al.*, 2016)
- 4. *Aelurillus quadrimaculatus* Simon, 1889**
 - Uttarakhand (Simon, 1889)
 - Maharashtra (More and Sawant, 2013)
- 5. *Aelurillus* sp.**
 - Goa (Halarnkar and Pai, 2018)
 - Gujarat (Solanki, 2016; Yadav *et al.*, 2017a)
 - Manipur (Kananbala *et al.*, 2018)
 - Odisha (Siliwal *et al.*, 2008)
 - Tamil Nadu (Kumar *et al.*, 2013)
- 6. *Langelurillus lacteus* Sanap *et al.*, 2017***
 - Maharashtra (Sanap *et al.*, 2017)
- 7. *Langelurillus onyx* Caleb *et al.*, 2017***
 - Gujarat (Sanap *et al.*, 2017)
 - Maharashtra (Sanap *et al.*, 2017)
- 8. *Langona albolinea* Caleb and Mathai, 2015***
 - Tamil Nadu (Caleb *et al.*, 2015; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 9. *Langona aperta* (Denis, 1958)**
 - Gujarat (Yadav *et al.*, 2017a)
- 10. *Langona bhutanica* Prószyński, 1978**
 - Gujarat (Yadav *et al.*, 2017a)
- 11. *Langona davidi* (Caleb *et al.*, 2015)***
 - = *Mashonarus davidi* Caleb *et al.*, 2015
 - = *Phlegra david* (Caleb *et al.*, 2015)
 - Tamil Nadu (Caleb *et al.*, 2015; Caleb, 2020b)
- 12. *Langona goaensis* Prószyński, 1992***
 - Goa (Prószyński, 1992b)
- 13. *Langona tigrina* (Simon, 1885)***
 - = *Aelurillus tigrinus* Simon, 1885
 - Tamil Nadu (Simon, 1885a; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 14. *Langona* sp.**
 - Goa (Pandit and Pai, 2017; Pandit and Dharwadkar, 2020)
- 15. *Phanuelus gladstone* Caleb and Mathai, 2015***
 - Tamil Nadu (Caleb *et al.*, 2015; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 16. *Phanuelus* sp.**
 - Goa (Pandit and Dharwadkar, 2020)
- 17. *Phlegra abhinandanvarthamani* Prajapati, 2019***
 - Gujarat (Prajapati, 2019)
- 18. *Phlegra davidi* (Caleb *et al.*, 2015)***
 - = *Mashonarus davidi* Caleb *et al.*, 2015
 - Tamil Nadu (Caleb *et al.*, 2015; Karthikeyani *et al.*, 2017; Logunov and Azarkina, 2018)
- 19. *Phlegra dhakuriensis* (Tikader, 1974)***
 - = *Marpissa dhakuriensis* Tikader, 1974
 - Gujarat (Trivedi, 2009; Bhatt, 2014; Parmar and Patel, 2017, 2018)
 - Jharkhand (Agrawal and Ghose, 1995)
 - Karnataka (Nautiyal *et al.*, 2017)
 - Madhya Pradesh (Gajbe, 2003a, 2003b; Patil, 2012)
 - Maharashtra (Meshram, 2011; Chaudhari and Deshmukh, 2018)
 - Odisha (Biswas, 1987)
 - Uttarakhand (Biswas and Biswas, 2010)
 - West Bengal (Tikader, 1974b; Tikader and Biswas, 1981; Biswas and Biswas, 1992; Majumder, 2004c, 2005, 2007; Majumder and Talukdar, 2013)
- 20. *Phlegra fasciata* (Hahn, 1826)**
 - Himachal Pradesh (Logunov and Koponen, 2002)
- 21. *Phlegra prasanna* Caleb and Mathai, 2015***
 - Andhra Pradesh (Caleb, 2020b)
 - Tamil Nadu (Caleb *et al.*, 2015; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 22. *Phlegra* sp.**
 - Gujarat (Parmar *et al.*, 2015)
 - Uttarakhand (Uniyal *et al.*, 2011)
- 23. *Proszynskia anusuae* (Tikader and Biswas, 1981)***
 - = *Marpissa anusuae* Tikader and Biswas, 1981
 - Maharashtra (Meshram, 2011; Rithe, 2012)
 - West Bengal (Tikader and Biswas, 1981; Majumder, 2005)
- 24. *Proszynskia diatrete* (Simon, 1902)**
 - = *Viciria diatrete* Simon, 1902
 - = *Phintella diatrete* (Simon, 1902)
 - Karnataka (Prashanthakumara and Venkateshwarlu, 2017)

- Tamil Nadu (Simon, 1902; Sherriffs, 1931; Caleb and Mathai, 2014; Caleb, 2016b, 2020a; Karthikeyani *et al.*, 2017)
- 25. *Proszynskia* sp.**
- Karnataka (Abhijith, 2019)
- 26. *Stenaelurillus albus* Sebastian *et al.*, 2015***
- Goa (Halarnkar and Pai, 2018)
- Gujarat (Yadav *et al.*, 2017a; Yadav and Kumar, 2019)
- Karnataka (Prashanthakumara and Venkateshwarlu, 2017)
- Kerala (Sebastian *et al.*, 2015; Prajapati *et al.*, 2016a)
- Maharashtra (Asarkar and Ade, 2017)
- 27. *Stenaelurillus arambagensis* (Biswas and Biswas, 1992)***
- = *Marpissa arambagensis* Biswas and Biswas, 1992
- = *Stenaelurillus digitus* Prajapati *et al.*, 2016
- Andhra Pradesh (Caleb *et al.*, 2017a)
- Gujarat (Prajapati *et al.*, 2016a; Yadav *et al.*, 2017a)
- Maharashtra (Caleb *et al.*, 2017a)
- Odisha (Choudhury *et al.*, 2019)
- West Bengal (Biswas and Biswas, 1992; Logunov and Azarkina, 2018)
- 28. *Stenaelurillus gabrieli* Prajapati *et al.*, 2016***
- Gujarat (Prajapati *et al.*, 2016a)
- Odisha (Choudhury *et al.*, 2019)
- 29. *Stenaelurillus jagannathae* Das *et al.*, 2015***
- Delhi (Vidhel *et al.*, 2015)
- Maharashtra (Maheshwari and Chopda, 2017)
- 30. *Stenaelurillus lesserti* Reimoser, 1934***
- Gujarat (Parmar and Patel, 2017, 2018)
- Karnataka (Caleb and Sanap, 2016; Abhijith, 2019; Caleb, 2020b)
- Kerala (Sebastian *et al.*, 2015; Caleb and Sanap, 2016; Caleb, 2020b)
- Maharashtra (Rithe, 2012)
- Puducherry (Logunov and Azarkina, 2018)
- Tamil Nadu (Reimoser, 1934; Caleb and Sanap, 2016; Prajapati *et al.*, 2016a; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- Uttar Pradesh (Sharma and Singh, 2018a, 2018b)
- 31. *Stenaelurillus metallicus* Caleb and Mathai, 2016***
- Tamil Nadu (Caleb and Mathai, 2016; Caleb, 2020b)
- 32. *Stenaelurillus sarojinae* Caleb and Mathai, 2014***
- Andhra Pradesh (Caleb and Mathai, 2014, Caleb *et al.*, 2015)
- 33. *Stenaelurillus* sp.**
- Goa (Pandit and Pai, 2017; Pandit and Dharwadkar, 2020)
- Gujarat (Solanki, 2016; Yadav *et al.*, 2017a)
- Kerala (Adarsh and Nameer, 2015; Nataraj *et al.*, 2018; Rajeevan *et al.*, 2019)
- Odisha (Choudhury *et al.*, 2019)
- Uttarakhand (Uniyal *et al.*, 2011; Siddhu *et al.*, 2020)
- B. Tribe: Euophryini Simn, 1901**
- 1. *Chalcoscirtus glacialis* Caporiacco, 1935***
- = *Phintella micans* Caporiacco, 1935)
- Jammu and Kashmir (Caporiacco, 1935)
- 2. *Chalcoscirtus martensi* Zabka, 1980**
- Ladakh (Zabka, 1981)
- 3. *Chalcotropis pennata* Simon, 1902***
- = *Chalcotropis pennatus* Simon, 1902
- = *Pristobaeus jocosus* Asalatha *et al.*, 2018; misidentified, Caleb, 2019b)
- Karnataka (Murali *et al.*, 2017; Mubeen and Basavarajappa, 2018)
- Kerala (Joseph *et al.*, 2017; Abhilash and Kumar, 2018; Asalatha *et al.*, 2018; Jose *et al.*, 2018; Rajeevan *et al.*, 2019)
- Tamil Nadu (Simon, 1902; Karthikeyani *et al.*, 2017)
- 4. *Chalcotropis* sp.**
- Kerala (Malamel and Samson, 2014)
- Tamil Nadu (Dharmaraj *et al.*, 2018)
- 5. *Colyttus proszynskii* Caleb *et al.*, 2018***
- Assam (Caleb *et al.*, 2018a)
- 6. *Cytaea albolimbata* Simon, 1888***
- Andaman and Nicobar (Simon, 1888)
- 7. *Euophrys concolorata* Roewer, 1951**
- = *Euophrys concolor* Caporiacco, 1935
- Jammu and Kashmir (Caporiacco, 1935; Roewer, 1951)

8. *Euophrys evae* Zabka, 1981*

- Jammu and Kashmir (Zabka, 1981)

9. *Euophrys frontalis* (Walckenaer, 1802)

- Maharashtra (Chapke, 2012; Deshmukh and Tekade, 2019)
- West Bengal (Dhali *et al.*, 2014, 2017; Roy *et al.*, 2016)

10. *Euophrys omnisuperstes* Wanless, 1975

- West Bengal (Dhali *et al.*, 2014; Sen *et al.*, 2015; Dhali *et al.*, 2017)

11. *Lechia minuta* (Prószyński, 1992)*

= *Euophrys minutus* Prószyński, 1992

- West Bengal (Prószyński, 1992; Caleb and Kumar, 2018b)
- Maharashtra (Rithe, 2012)

12. *Pansinus grammicus* Simon, 1902*

- Tamil Nadu (Simon, 1902; Caleb and Karthikeyani, 2020)

13. *Saitis chaperi* Simon, 1885

- Karnataka (Simon, 1885b)

14. *Servaea* sp.

- Kerala (Nataraj *et al.*, 2018)

15. *Thiania bhamoensis* Thorell, 1887

= *Euophrys chiriatapuensis* Tikader, 1977

- Andaman and Nicobar (Tikader and Biswas, 1981; Biswas and Biswas, 1992, 2004; Majumder, 2005; Sen *et al.*, 2015; Roy *et al.*, 2016; Saha *et al.*, 2016; Dhali *et al.*, 2017)
- Assam (Chetia and Kalita, 2012; Sen *et al.*, 2015; Roy *et al.*, 2016; Saha *et al.*, 2016; Dhali *et al.*, 2017)
- Goa (Pandit and Dharwadkar, 2020)
- Gujarat (Parmar *et al.*, 2015)
- Karnataka (Bhat *et al.*, 2013; Joshi and Venkateshwarlu, 2016)
- Kerala (Tikader, 1977; Davis *et al.*, 2005; Malamel and Samson, 2014; Roy *et al.*, 2016; Jose *et al.*, 2018; Saha *et al.*, 2016; Dhali *et al.*, 2017, 2019; Asalatha *et al.*, 2017; Rajeevan *et al.*, 2019)
- Maharashtra (Meshram, 2011; Rithe, 2012; More and Sawant, 2013; Chaudhari and Deshmukh, 2018)
- Manipur (Biswas and Biswas, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2017; Kananbala *et al.*, 2018)

- Odisha (Biswas, 1987)

- Tamil Nadu (Sugumaran *et al.*, 2007)

- Tripura (Dey *et al.*, 2013)

- Uttarakhand (Gupta and Siliwal, 2012)

- West Bengal (Tikader and Biswas, 1981; Biswas and Biswas, 1992, 2004; Majumder, 2005; Sen *et al.*, 2015; Roy *et al.*, 2016; Saha *et al.*, 2016; Dhali *et al.*, 2017)

16. *Thiania cf. suboppressa* Strand, 1907

- Tripura (Ahmed *et al.*, 2020)

17. *Thiania* sp.

- Assam (Chetia and Kalita, 2012)
- Gujarat (Parmar and Patel, 2018)
- Kerala (Sebastian *et al.*, 2005b; Sudhikumar *et al.*, 2005)
- Madhya Pradesh (Sharma and Sharma, 2015)
- Uttar Pradesh (Kumar *et al.*, 2017a, b)
- Uttarakhand (Uniyal *et al.*, 2011)

18. *Thyenula* sp.

- Karnataka (Prashanthakumara and Venkateshwarlu, 2017)

C. Tribe: Leptorchestini Simon, 1901**1. *Marusyllus gregoryi* (Logunov, 2010)***

= *Yllenus gregoryi* Logunov, 2010

- Ladakh (Logunov, 2010)

2. *Marusyllus karnai* (Logunov and Marusik, 2003)*

= *Yllenus karnai* Logunov and Marusik, 2003

- Ladakh (Logunov and Marusik, 2003)

3. *Yllenus baltistanus* Caporiacco, 1935*

= *Yllenus auspex* (Caporiacco, 1935)

- Jammu and Kashmir (Caporiacco, 1935)
- Ladakh (Zabka, 1981; Logunov, 2010)

D. Tribe: Plexippini Simon, 1901**a. Subtribe: Harmochirina Simon, 1903****1. *Bianor albobimaculatus* (Lucas, 1846)**

- Himachal Pradesh (Logunov, 2000)
- Jammu and Kashmir (Punjoo and Bhat, 2015)
- Punjab (Logunov, 2000, 2019)
- Rajasthan (Kaur *et al.*, 2014; Lawania and Trigunayat, 2015)
- Uttarakhand (Logunov, 2019)

2. *Bianor angulosus* (Karsch, 1879)

- Assam (Logunov, 2000)

- Himachal Pradesh (Logunov, 2000)
 - Jharkhand (Logunov, 2000)
 - Karnataka (Logunov, 2000)
 - Maharashtra (More and Sawant, 2013)
 - Manipur (Kananbala *et al.*, 2018)
 - Odisha (Logunov, 2000, 2019)
 - Punjab (Logunov, 2000)
 - Uttarakhand (Siddhu *et al.*, 2020)
 - West Bengal (Logunov, 2000)
- 3. *Bianor balius* Thorell, 1890**
= *Bianor carli* Reimoser, 1934
- Karnataka (Logunov, 2019)
 - Madhya Pradesh (Logunov, 2019)
 - Meghalaya (Logunov, 2019)
 - Tamil Nadu (Reimoser, 1934; Caleb and Karthikeyani, 2020; Caleb, 2020a, 2020b)
- 4. *Bianor incitatus* Thorell, 1890**
- Jharkhand (Logunov, 2000)
 - Karnataka (Logunov, 2000)
 - Madhya Pradesh (Logunov, 2000)
 - Meghalaya (Logunov, 2000)
 - Tamil Nadu (Karthikeyani *et al.*, 2017)
 - Uttarakhand (Pooja *et al.*, 2019)
- 5. *Bianor maculatus* (Keyserling, 1883)**
- Telangana (Anitha and Vijay, 2016)
- 6. *Bianor narmadaensis* (Tikader, 1975)***
= *Zygoballus narmadaensis* Tikader, 1975
- Assam (Basumatary and Brahma, 2017)
 - Madhya Pradesh (Tikader, 1975; Gajbe, 2003; Majumder, 2005; Dhali *et al.*, 2017)
 - Maharashtra (Rithe, 2012)
 - Meghalaya (Biswas and Biswas, 1992; Biswas and Majumder, 1995)
 - Odisha (Biswas, 1987; Ramakrishna *et al.*, 2006)
 - Uttar Pradesh (Biswas and Majumder, 1995)
 - Uttarakhand (Biswas and Biswas, 2010)
 - West Bengal (Biswas and Biswas, 1992; Biswas and Majumder, 1995; Majumder, 2005; Majumder and Talukdar, 2013; Dhali *et al.*, 2017)
- 7. *Bianor pashanensis* (Tikader, 1975)***
= *Zygoballus pashanensis* Tikader, 1975
- Arunachal Pradesh (Biswas and Biswas, 2006)
 - Maharashtra (Tikader, 1975; Biswas and Biswas, 2004, 2006; More and Sawant, 2013)
 - Manipur (Biswas and Biswas, 2004; Kananbala *et al.*, 2018)
 - Odisha (Biswas, 1987)
 - Uttarakhand (Biswas and Biswas, 2010)
- 8. *Bianor pseudomaculatus* Logunov, 2000**
- Assam (Logunov, 2019)
 - Meghalaya (Logunov, 2000, 2019)
 - Rajasthan (Kaur *et al.*, 2014; Lawania and Trigunayat, 2015)
 - West Bengal (Logunov, 2000)
- 9. *Bianor punjabicus* Logunov, 2000**
- Gujarat (Yadav *et al.*, 2017a; Yadav, 2019; Yadav and Kumar, 2019)
 - Punjab (Logunov, 2000, 2019)
- 10. *Bianor tortus* Jastrzebski, 2007**
- Assam (Jastrzebski, 2007)
- 11. *Bianor* sp.**
- Bihar (Goswami *et al.*, 2015; Yadav *et al.*, 2016)
 - Goa (Pandit and Dharwadkar, 2020)
 - Gujarat (Siliwal *et al.*, 2003a; Yadav *et al.*, 2017a)
 - Kerala (Sebastian *et al.*, 2005b; Sudhikumar, 2007; Mathew *et al.*, 2014; John and Tom, 2018)
 - Tamil Nadu (Sugumaran, 2001; Kapoor, 2008)
 - Uttarakhand (Gupta and Siliwal, 2012)
- 12. *Harmochirus brachiatus* (Thorell, 1877)**
- Arunachal Pradesh (Chetry and Moran, 2019)
 - Delhi (Malik *et al.*, 2015)
 - Goa (Pandit and Dharwadkar, 2020)
 - Gujarat (Siliwal, 2000; Kumar and Shivakumar, 2004; Sen *et al.*, 2015; Dhali *et al.*, 2017; Yadav *et al.*, 2017a; Yadav, 2019; Solanki *et al.*, 2020)
 - Karnataka (Prashanthakumara and Venkateshwarlu, 2017; Abhijith, 2019)
 - Kerala (Sen *et al.*, 2015; Dhali *et al.*, 2017)
 - Madhya Pradesh (Gajbe and Singh, 1994)
 - Maharashtra (Sen *et al.*, 2015; Dhali *et al.*, 2017; Chaudhari and Deshmukh, 2018; Deshmukh and Tekade, 2019)
 - Manipur (Kananbala *et al.*, 2018)

- Odisha (De and Palita, 2018; Choudhury *et al.*, 2019)
- Tamil Nadu (Reimoser, 1934)
- Uttar Pradesh (Singh and Singh, 2014; Sharma and Singh, 2018a, 2018b)
- West Bengal (Dhali *et al.*, 2010; Sen *et al.*, 2015; Dhali *et al.*, 2017)
- 13. *Harmochirus exaggeratus* Caleb and Mathai, 2015***
 - Kerala (Joseph *et al.*, 2017)
 - Tamil Nadu (Caleb and Mathai, 2015; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 14. *Harmochirus lloydi* Narayan, 1915***
 - West Bengal (Narayan, 1915)
- 15. *Harmochirus zabkai* Logunov, 2000**
 = *Harmochirus brachiatus* (Thorell, 1877) (misidentified by Tikader, 1976)
 - Karnataka (Logunov, 2000, 2019)
 - Maharashtra (Tikader, 1976; Logunov, 2000, 2019)
 - Punjab (Logunov, 2000, 2019)
 - Tamil Nadu (Logunov, 2000, 2019; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 16. *Harmochirus* sp.**
 - Kerala (Sudhikumar, 2007)
 - Maharashtra (Nerlekar *et al.*, 2016)
- 17. *Modunda staintoni* (O.P.-Cambridge, 1872)**
 - Punjab (Logunov, 2000, 2019)
- 18. *Neaetha tomkovichi* Logunov, 2019***
 - Andhra Pradesh (Logunov, 2019)
- 19. *Neaetha* sp.**
 - Karnataka (Abhijith, 2019)
- 20. *Pellenes allegrii* Caporiacco, 1935**
 - Jammu and Kashmir (Caporiacco, 1935)
- 21. *Pellenes himalaya* Caleb *et al.*, 2018***
 - Uttarakhand (Caleb *et al.*, 2018b)
- 22. *Pellenes iva* Caleb, 2018***
 - Odisha (Choudhury *et al.*, 2019)
 - Tamil Nadu (Caleb and Kumar, 2018a; Caleb and Karthikeyani, 2020; Caleb, 2020a)
- 23. *Pellenes maderianus* Kulczyński, 1905**
 - Madhya Pradesh (Prószyński, 1992)
- 24. *Pellenes* sp.**
 - Uttarakhand (Uniyal *et al.*, 2011)
- b. Subtribe: *Plexippina* Simon, 1901**
 - 1. *Brancus calebi* Kanesharatnam and Benjamin, 2018***
 = *Thyene bivittata* Xie and Peng, 1995; misidentified by Caleb and Mathai, 2014 per Kanesharatnam and Benjamin, 2016)
 - Tamil Nadu (Caleb and Mathai, 2014; Karthikeyani *et al.*, 2017)
 - 2. *Bristowia gandhii* Kanesharatnam and Benjamin, 2016**
 = *Bristowia heterospinosa* Reimoser, 1934 (misidentified by Dobroruka, 2004 per Kanesharatnam and Benjamin, 2016)
 - Goa (Dobroruka, 2004; Kanesharatnam and Benjamin, 2016)
 - Tamil Nadu (Caleb, 2020a)
 - 3. *Bristowia* sp.**
 - Goa (Pandit and Dharwadkar, 2020)
 - Karnataka (Abhijith, 2019)
 - 4. *Burmattus pococki* (Thorell, 1895)**
 - Karnataka (Abhijith, 2019)
 - Maharashtra (Rithe, 2012)
 - Manipur (Kanakbala *et al.*, 2016, 2018)
 - 5. *Dexippus topali* Prószyński, 1992***
 - West Bengal (Prószyński, 1992)
 - 6. *Epeus albus* Prószyński, 1992***
 - Kerala (Joseph *et al.*, 2017)
 - Odisha (Prószyński, 1992)
 - Maharashtra (More and Sawant, 2013; More, 2015a, 2015b)
 - 7. *Epeus chilapataensis* (Biswas and Biswas, 1992)***
 = *Lyssomanes chilapataensis* Biswas and Biswas, 1992
 - Maharashtra (More and Sawant, 2013)
 - West Bengal (Biswas and Biswas, 1992)
 - 8. *Epeus edwardsi* Barrion et Litsinger, 1995**
 - West Bengal (Dhali *et al.*, 2010)
 - 9. *Epeus flavobilineatus* (Doleschall, 1859)**
 - Kerala (Rajeevan *et al.*, 2019)
 - 10. *Epeus indicus* Prószyński, 1992***
 - Assam (Chetia and Kalita, 2012; Gupta *et al.*, 2015; Dhali *et al.*, 2017)
 - Goa (Pandit and Dharwadkar, 2020)

- Gujarat (Parmar, 2013; Parmar and Patel, 2017, 2018; Parmar *et al.*, 2015; Solanki, 2016; Yadav *et al.*, 2017a)
- Karnataka (Nalini Bai and Ravindranatha, 2012; Bhat *et al.*, 2013; Prashanthakumara and Venkateshwarlu, 2017; Abhijith, 2019; Shraddha and Chaturved, 2019)
- Kerala (Asalatha *et al.*, 2017; Dhali *et al.*, 2017; Jose *et al.*, 2007, 2018; Rajeevan *et al.*, 2019)
- Maharashtra (Lanka *et al.*, 2017)
- Odisha (Prószyński, 1992; Dhali *et al.*, 2017; De and Palita, 2018)
- Uttarakhand (Gupta and Siliwal, 2012)
- West Bengal (Dhali *et al.*, 2017)
- 11. *Epeus tener* (Simon, 1877)**
 - Assam (Singh *et al.*, 2012, 2013; Singh and Borkotoki, 2014; Gupta *et al.*, 2015)
 - Karnataka (Bhat *et al.*, 2013; Prashanthakumara and Venkateshwarlu, 2017)
 - Kerala (Ambily and Antony, 2016; Abhilash and Kumar, 2018; Jose *et al.*, 2018; Rajeevan *et al.*, 2019)
- 12. *Epeus triangulopalpis* Malamel *et al.*, 2019***
 - Kerala (Malamel *et al.*, 2019)
- 13. *Epeus* sp.**
 - Assam (Das *et al.*, 2015)
 - Karnataka (Bhat *et al.*, 2013)
 - Kerala (Adarsh and Nameer, 2015)
 - Maharashtra (Lanka *et al.*, 2017)
 - Manipur (Kananbala *et al.*, 2018)
 - Odisha (Panda *et al.*, 2011)
 - Tripura (Dey *et al.*, 2013)
- 14. *Evarcha culicivora* Wesolowska and Jackson, 2003**
 - Karnataka (Prashanthakumara *et al.*, 2015)
- 15. *Evarcha flavocincta* (C. L. Koch, 1846)**
 - Gujarat (Thumar, 2019)
 - Maharashtra (Chapke, 2012)
 - West Bengal (Roy *et al.*, 2014, 2016; Dhali *et al.*, 2017)
- 16. *Evarcha falcata* (Clerck, 1757)**
 - Gujarat (Prajapati *et al.*, 2018)
- 17. *Evarcha infrastrata* (Keyserling, 1881)**
 - Kerala (Nataraj *et al.*, 2018)
 - Tamil Nadu (Dharmaraj *et al.*, 2017)
- 18. *Evarcha jucunda* (Lucas, 1846)**
 - Jammu and Kashmir (Caporiacco, 1935)
- 19. *Evarcha pococki* Zabka, 1985**
 - Kerala (Malamel, 2018)
 - Uttarakhand (Gupta and Siliwal, 2012)
- 20. *Evarcha* sp.**
 - Arunachal Pradesh (Chetry and Moran, 2019)
 - Karnataka (Murali *et al.*, 2017)
 - Tamil Nadu (Kapoor, 2008)
 - Uttarakhand (Pooja *et al.*, 2019; Siddhu *et al.*, 2020)
- 21. *Ghumattus primus* Prószyński, 1992***
 - West Bengal (Prószyński, 1992)
- 22. *Habrocestum longispinum* Sankaran *et al.*, 2019***
 - Kerala (Sankaran *et al.*, 2019)
- 23. *Hyllus bos* (Sundevall, 1833)***
 - = *Attus bos* Sundevall, 1833
 - West Bengal (Sundevall, 1833)
- 24. *Hyllus decoratus* Thorell, 1887**
 - Manipur (Kananbala *et al.*, 2018)
- 25. *Hyllus diardi* (Walckenaer, 1837)**
 - Assam (Basumatary *et al.*, 2018)
 - Kerala (Sudhikumar *et al.*, 2005; Sunil Jose *et al.*, 2008; Dhali *et al.*, 2019)
- 26. *Hyllus manu* Caleb *et al.*, 2014***
 - Tamil Nadu (Caleb *et al.*, 2014; Karthikeyani *et al.*, 2017; Caleb, 2020b)
- 27. *Hyllus pudicus* Thorell, 1895**
 - Karnataka (Prashanthakumara and Venkateshwarlu, 2017)
 - Lakshadweep (Pocock, 1904)
 - West Bengal (Prószyński, 1992)
- 28. *Hyllus semicupreus* (Simon, 1885)**
 - = *Phidippus indicus* Tikader, 1974
 - = *Sandalodes semicupreus* (Simon, 1885)
 - = *Thyene semicuprea* Simon, 1885
 - Arunachal Pradesh (Biswas and Biswas, 2006)
 - Assam (Singh *et al.*, 2012; Das *et al.*, 2015; Singh and Borkotoki, 2014; Roy *et al.*, 2016; Saha *et al.*, 2016; Basumatary and Brahma, 2017)

- Goa (Prószyński, 1992; Pandit and Pai, 2017; Pandit and Dharwadkar, 2020)
- Gujarat (Tikader, 1974a; Siliwal, 2000; Siliwal *et al.*, 2003b; Majumder, 2004, 2005; Parmar, 2013; Parmar and Acharya, 2015; Parmar *et al.*, 2015; Solanki and Kumar, 2015; Solanki, 2016; Prajapati *et al.*, 2016b; Yadav *et al.*, 2017a; Yadav and Kumar, 2019)
- Jammu and Kashmir (Khan, 2006)
- Karnataka (Simon, 1885b; Sherriffs, 1931; Nalini Bai and Ravindranatha, 2012; Bhat *et al.*, 2013; Joshi and Venkateshwarlu, 2016; Prashanthakumara and Venkateshwarlu, 2017; Mubeen and Basavarajappa, 2018; Tabasum *et al.*, 2018; Kokilamani *et al.*, 2019; Shraddha and Chaturved, 2019;
- Kerala (Patel, 2003a; Sudhikumar, 2007; Malamel and Samson, 2014; Mathew *et al.*, 2014; Adarsh and Nameer, 2015; Abhilash and Kumar, 2018; Jose *et al.*, 2018; Dhali *et al.*, 2019; Rajeevan *et al.*, 2019)
- Madhya Pradesh (Keswani, 2014; Sharma and Sharma, 2015)
- Maharashtra (Meshram, 2011; Chapke, 2012; Rithe, 2012; More and Sawant, 2013; More, 2015a, b; Nerlekar *et al.*, 2016; Sawane, 2016; Lanka *et al.*, 2017; Misal *et al.*, 2019)
- Odisha (Biswas, 1987; Panda *et al.*, 2011; Mohapatra *et al.*, 2014; Chetry and Moran, 2019)
- Rajasthan (Kaur *et al.*, 2014; Lawania and Trigunayat, 2015; Lawania and Mathur, 2017b)
- Tamil Nadu (Simon, 1885b; Sherriffs, 1931; Karthikeyani, 2013; Umarani and Umamaheswari, 2013; Dharmaraj *et al.*, 2018; Caleb, 2020a, b)
- Uttar Pradesh (Lawania and Mathur, 2014a, b, c, d)
- Uttarakhand (Biswas and Biswas, 2010; Quasin and Uniyal, 2010; Pooja *et al.*, 2019; Siddhu *et al.*, 2020)
- West Bengal (Tikader and Biswas, 1981; Prószyński, 1992; Biswas and Biswas, 1992; Majumder, 2004, 2005, 2007; Biswas and Biswas, 2006; Talukdar and Majumder, 2008; Chakraborty *et al.*, 2016; Roy *et al.*, 2016; Saha *et al.*, 2016)
- **29. *Hyllus* sp.**
 - Kerala (Sebastian *et al.*, 2005a, 2005b)
 - Maharashtra (Khan *et al.*, 2019)
 - Odisha (Choudhury *et al.*, 2019)
 - Uttarakhand (Uniyal *et al.*, 2011)
- **30. *Pancorius daitaricus* (Prószyński, 1992)***
 - Odisha (Prószyński, 1992)
- **31. *Pancorius darjeelingianus* Prószyński, 1992***
 - = *Plexippus pseudopaykulli* (Sen *et al.*, 2015)
 - West Bengal (Prószyński, 1992; Sen *et al.*, 2015; Dhali *et al.*, 2017)
- **32. *Pancorius magnus* Zabka, 1985**
 - Arunachal Pradesh (Caleb *et al.* 2019a)
 - Assam (Caleb *et al.* 2019a)
 - West Bengal (Prószyński, 1992; Caleb *et al.* 2019a)
- **33. *Pancorius nagaland* Caleb, 2019***
 - Arunachal Pradesh (Caleb *et al.*, 2019)
 - Nagaland (Caleb *et al.*, 2019)
- **34. *Pancorius submontanus* Prószyński, 1992***
 - West Bengal (Prószyński, 1992)
- **35. *Pancorius tagorei* Prószyński, 1992***
 - West Bengal (Prószyński, 1992; Caleb *et al.*, 2019)
- **36. *Pancorius* sp.**
 - Uttarakhand (Gupta and Siliwal, 2012)
- **37. *Plexippus andamanensis* (Tikader, 1977)***
 - = *Marpissa andamanensis* Tikader, 1977
 - Andman (Tikader, 1977; Majumder, 2005)
 - Maharashtra (Meshram, 2011)
 - West Bengal (Majumder, 2004, 2005, 2007)
- **38. *Plexippus bhutani* Zabka, 1990**
 - = *Plexippus clemens* (Pickard-Cambridge, 1872)
 - Karnataka (Caleb, 2016b)
- **39. *Plexippus calcutaensis* (Tikader, 1974)**
 - = *Marpissa calcutaensis* Tikader, 1974
 - Gujarat (Siliwal, 2000; Yadav *et al.*, 2017a)
 - Uttar Pradesh (Singh and Singh, 2014; Sharma and Singh, 2018a, 2018b)
 - Uttarakhand (Biswas and Biswas, 2010)
 - West Bengal (Tikader, 1974b; Tikader and Biswas, 1981; Biswas and Biswas, 1992;

Majumder, 2004, 2005, 2007; Talukdar and Majumder, 2008; Majumder and Talukdar, 2013)

40. *Plexippus clemens* (O.P.-Cambridge, 1872)

- Karnataka (Caleb, 2016b)

41. *Plexippus insulanus* Thorell, 1881

- Maharashtra (Khandelwal, 2014; Deshmukh and Tekade, 2019)

42. *Plexippus paykulli* (Audouin, 1826)

= *Marpissa bengalensis* Tikader, 1974

= *Marpissa mandali* Tikader, 1974

= *Menemerus paykulli* (Audouin, 1826)

= *Thotmes paykulli* (Audouin, 1826)

- Andaman and Nicobar (Thorell, 1892)
- Andhra Pradesh (Majumder, 2005; Rao *et al.*, 2005; Palem *et al.*, 2016; Dhali *et al.*, 2017; Saha *et al.*, 2017)
- Andman and Nicobar (Tikader, 1977)
- Arunachal Pradesh (Biswas and Biswas, 2006; Roy *et al.*, 2016; Dhali *et al.*, 2017; Saha *et al.*, 2016, 2017; Chetry and Moran, 2019)
- Assam (Chetia and Kalita, 2012; Singh *et al.*, 2012, 2013; Singh and Borkotoki, 2014; Das *et al.*, 2015; Gupta *et al.*, 2015; Roy *et al.*, 2016; Saha *et al.*, 2016, 2017; Basumatary and Brahma, 2017; Dhali *et al.*, 2017; Ahmed, 2018)
- Bihar (Priyadarshini *et al.*, 2015)
- Chhattisgarh (Kujur and Ekka, 2012, 2016; Ekka and Kujur, 2015)
- Goa (Pandit and Pai, 2017; Halarnkar and Pai, 2018; Pandit and Dharwadkar, 2020)
- Gujarat (Patel and Pillai, 1988; Siliwal, 2000; Patel and Vyas, 2001; Siliwal *et al.*, 2003b; Patel, 2003b; Trivedi, 2009; Kumar and Yashkamal 2011; Parmar, 2013; Parmar and Acharya, 2015; Parasharya and Pathan, 2013; Bhatt, 2014; Solanki and Kumar, 2014; Parmar and Patel, 2017; Parmar *et al.*, 2015; Solanki and Kumar, 2015; Solanki, 2016; Prajapati *et al.*, 2016b; Suthar *et al.*, 2017; Yadav *et al.*, 2017a; Yadav and Kumar, 2019)
- Haryana (Malik and Goyal, 2017)
- Jammu and Kashmir (Khan, 2006; Punjoo and Bhat, 2015)
- Karnataka (Simon, 1885b; Patil *et al.*, 2006; Bhat *et al.*, 2013; Deshpande and Paul, 2016; Joshi and Venkateshwarlu, 2016; Nautiyal *et al.*, 2017; Vaibhav *et al.*, 2017; Mubeen and Basavarajappa, 2018; Rao *et al.*, 2018; Tabasum *et al.*, 2018; Kokilamani *et al.*, 2019; Shraddha and Chaturved, 2019; Fernandes and Ganesh, 2020)
- Kerala (Patel, 2003a; Sebastian *et al.*, 2005b; Sudhikumar, 2007; Mathew *et al.*, 2014; Adarsh and Nameer, 2015; Ambily and Antony, 2016; Joseph and Premila, 2016; Roy *et al.*, 2016; Saha *et al.*, 2017; Jose *et al.*, 2018; Dhali *et al.*, 2019;; Rajeevan *et al.*, 2019)
- Lakshadweep (Pocock, 1904)
- Madhya Pradesh (Biswas and Majumder, 1995; Gajbe, 2003a, b; Gajbe, 2004; Biswas and Biswas, 2006; Patil, 2012; Patil *et al.*, 2013a, b; Keswani, 2014; Sharma and Sharma, 2015)
- Maharashtra (Tikader, 1974b; Gajbe, 2004; Bastawade and Khandal, 2006; Biswas and Biswas, 2006; Meshram, 2011; Chapke, 2012; Rithe, 2012; Wankhade *et al.*, 2012; More and Sawant, 2013; Keswani and Vankhede, 2014; Khandelwal, 2014; More, 2015a; Nerlekar *et al.*, 2016; Sawane, 2016; Magare, 2017; Deshmukh and Tekade, 2019)
- Manipur (Biswas and Biswas, 2004; Roy *et al.*, 2016; Dhali *et al.*, 2017; Saha *et al.*, 2017; Kananbala *et al.*, 2018)
- Meghalaya (Biswas and Majumder, 1995; Biswas and Biswas, 2004, 2006)
- Odisha (Biswas, 1987; Majumder, 2005; Saha *et al.*, 2017; Ramakrishna *et al.*, 2006; Siliwal and Molur, 2008; Siliwal *et al.*, 2008; Panda *et al.*, 2011; Mohapatra *et al.*, 2014; Dhali *et al.*, 2017; De and Palita, 2018; Chetry and Moran, 2019)
- Punjab (Kumari, 1983)
- Rajasthan (Chauhan *et al.*, 2009; Saini *et al.*, 2012; Lawania *et al.*, 2013; Kaur *et al.*, 2014; Lawania and Trigunayat, 2015; Kumari *et al.*, 2017; Lawania and Mathur, 2017a, 2017b; Malhotra *et al.*, 2019)
- Sikkim (Tikader, 1967)

- Tamil Nadu (Simon, 1885b; Sherriffs, 1931; Reimoser, 1934; Ganesh Kumar and Velusamy, 1996; Siliwal *et al.*, 2008; Karthikeyani, 2013; Umarani and Umamaheswari, 2013; Dharmaraj *et al.*, 2017, 2018; Caleb, 2020a, 2020b)
 - Telangana (Sailu *et al.*, 2017)
 - Tripura (Dey *et al.*, 2013)
 - Uttar Pradesh (Hore and Uniyal, 2008a, 2008b; Hore, 2009; Uniyal and Hore, 2009; Anjali and Prakash, 2012; Lawania and Mathur, 2014a; Lawania and Mathur, 2014b, 2014c, 2014d; Singh and Singh, 2014; Kumar *et al.*, 2017a; Sharma and Singh, 2018a, 2018b)
 - Uttarakhand (Simon, 1889; Biswas and Biswas, 2010; Uniyal *et al.*, 2011; Gupta and Siliwal, 2012; Pooja *et al.*, 2019; Siddhu *et al.*, 2020)
 - West Bengal (Tikader, 1974b; Tikader and Biswas, 1981; Biswas and Biswas, 1992, 2004, 2006; Biswas and Majumder, 1995; Majumder, 2004, 2005, 2007; Talukdar and Majumder, 2008; Sen *et al.*, 2015; Chakraborty *et al.*, 2016; Roy *et al.*, 2016; Saha *et al.*, 2016, 2017; Dhali *et al.*, 2017; Ghosh *et al.*, 2018)
- 43. *Plexippus petersi* (Karsch, 1878)**
- Arunachal Pradesh (Chetry and Moran, 2019)
 - Assam (Singh *et al.*, 2012; Singh *et al.*, 2013; Singh and Borkotoki, 2014 ; Das *et al.*, 2015; Ahmed, 2018)
 - Bihar (Priyadarshini *et al.*, 2015)
 - Goa (Pandit and Pai, 2017; Halarnkar and Pai, 2018; Pandit and Dharwadkar, 2020)
 - Gujarat (Solanki, 2016; Prajapati *et al.*, 2016b)
 - Karnataka (Nalini Bai and Ravindranatha, 2012; Bhat *et al.*, 2013; Deshpande and Paul, 2016; Joshi and Venkateshwarlu, 2016; Vaibhav *et al.*, 2017; Tabasum *et al.*, 2018; Mubeen and Basavarajappa, 2018; Rao *et al.*, 2018)
 - Kerala (Sebastian *et al.*, 2005a, 2005b; Jose *et al.*, 2007; Sudhikumar, 2007; Mathew *et al.*, 2014; Adarsh and Nameer, 2015; Ambily and Antony, 2016; Joseph and Premila, 2016; John and Tom, 2018; Jose *et al.*, 2018; Rajeevan *et al.*, 2019)
 - Maharashtra (Chapke, 2012; Wankhade *et al.*, 2012; More and Sawant, 2013; Chaudhari and Deshmukh, 2018; Deshmukh and Tekade, 2019)
 - Odisha (Panda *et al.*, 2011; Mohapatra *et al.*, 2014)
 - Rajasthan (Lawania and Mathur, 2017a, b; Malhotra *et al.*, 2019)
 - Tamil Nadu (Karthikeyani, 2013; Karthikeyani *et al.*, 2017; Dharmaraj *et al.*, 2018; Caleb, 2020a, 2020b)
 - Tripura (Dey *et al.*, 2013)
 - Uttar Pradesh (Singh and Singh, 2014; Sharma and Singh, 2018a, b)
- 44. *Plexippus redimitus* Simon, 1906**
- Kerala (Sherriffs, 1931)
 - Tamil Nadu (Sherriffs, 1931)
 - Uttar Pradesh (Hore, 2009; Uniyal and Hore, 2009)
- 45. *Plexippus setipes* Karsch, 1879**
- Karnataka (Abhijith, 2019)
- 46. *Plexippus* sp.**
- Goa (Pandit and Dharwadkar, 2020)
 - Gujarat (Parasharya and Pathan, 2013; Parmar *et al.*, 2015)
 - Jammu and Kashmir (Khan, 2011)
 - Karnataka (Bhat *et al.*, 2013; Nautiyal *et al.*, 2017; Rao *et al.*, 2018)
 - Kerala (Sebastian *et al.*, 2005b; Sudhikumar, 2007)
 - Maharashtra (Wankhade *et al.*, 2012)
 - Rajasthan (Malhotra *et al.*, 2019)
 - Tamil Nadu (Sivaperuman and Thiyakesan, 1999; Sugumaran *et al.*, 2007; Kapoor, 2008)
 - Uttar Pradesh (Hore and Uniyal, 2008a, 2008b; Kumar *et al.*, 2017a)
 - Uttarakhand (Quasin and Uniyal, 2010; Uniyal *et al.*, 2011; Gupta and Siliwal, 2012; Pooja *et al.*, 2019)
 - West Bengal (Chakraborty *et al.*, 2016)
- 47. *Pseudamycus himalaya* (Tikader, 1967)***
= *Maevia himalaya* Tikader, 1967
- Sikkim (Tikader, 1967)
- 48. *Ptocasius* sp.**
- Kerala (Joseph and Premila, 2016)

49. *Telamonia dimidiata* (Simon, 1899)= *Phidippus pateli* Tikader, 1974= *Viciria dimidiata* Simon, 1899

- Andhra Pradesh (Majumder, 2005)
- Assam (Chetia and Kalita, 2012; Singh *et al.*, 2012, 2013; Singh and Borkotoki, 2014; Das *et al.*, 2015; Gupta *et al.*, 2015; Roy *et al.*, 2016; Saha *et al.*, 2016; Basumatary and Brahma, 2017)
- Goa (Pandit and Pai, 2017; Halarnkar and Pai, 2018; Pandit and Dharwadkar, 2020)
- Gujarat (Tikader 1974a; Patel and Pillai, 1988; Siliwal, 2000; Siliwal *et al.*, 2003a, 2003b; Majumder, 2004, 2005; Kumar and Shivakumar 2006; Trivedi, 2009; Parmar, 2013; Parmar and Patel, 2017; Sen *et al.*, 2015; Solanki and Kumar, 2015; Roy *et al.*, 2016; Solanki, 2016; Prajapati *et al.*, 2016b; Yadav *et al.*, 2017a; Yadav and Kumar, 2019)
- Jammu and Kashmir (Khan, 2006)
- Karnataka (Nalini Bai and Ravindranatha, 2012; Bhat *et al.*, 2013; Deshpande and Paul, 2016; Joshi and Venkateshwarlu, 2016; Prashanthakumara and Venkateshwarlu, 2017; Mubeen and Basavarajappa, 2018; Tabasum *et al.*, 2018; Kokilamani *et al.*, 2019; Shraddha and Chaturved, 2019)
- Kerala (Sebastian *et al.*, 2005a, b; Sudhikumar *et al.*, 2005; Sudhikumar, 2007; Sunil Jose *et al.*, 2008; Malamel and Samson, 2014; Mathew *et al.*, 2014; Adarsh and Nameer, 2015; Sen *et al.*, 2015; Joseph and Premila, 2016; Roy *et al.*, 2016; Saha *et al.*, 2016; Abhilash and Kumar, 2018; Jose *et al.*, 2018; Rajeevan *et al.*, 2019)
- Madhya Pradesh (Patil *et al.*, 2013b; Keswani, 2014; Sharma and Sharma, 2015)
- Maharashtra (Tikader and Malhotra, 1978; Tikader and Biswas, 1981; Prószyński, 1992; Majumder, 2004, 2005; Meshram, 2011; Chapke, 2012; Rithe, 2012; Wankhade *et al.*, 2012; More and Sawant, 2013; Keswani and Vankhede, 2014; More, 2015a, 2015b; Sen *et al.*, 2015; Deshmukh and Chaudhari, 2016; Nerlekar *et al.*, 2016; Roy *et al.*, 2016; Sawane, 2016; Magare, 2017; Deshmukh and Tekade, 2019)

- Odisha (Biswas, 1987; Siliwal and Molur, 2008; Siliwal *et al.*, 2008; Panda *et al.*, 2011; Mohapatra *et al.*, 2014; De and Palita, 2018; Chetry and Moran, 2019)
- Rajasthan (Sen *et al.*, 2009; Lawania *et al.*, 2013; Kaur *et al.*, 2014; Lawania and Trigunayat, 2015; Saha *et al.*, 2015; Lawania and Mathur, 2017a, 2017b)
- Tamil Nadu (Sherriffs, 1931; Sugumaran, 2001, Sugumaran *et al.*, 2007; Siliwal *et al.*, 2008; Karthikeyani, 2013; Umarani and Umamaheswari, 2013; Caleb, 2020a, 2020b)
- Tripura (Dey *et al.*, 2013)
- Uttar Pradesh (Khan and Mishra, 2003; Anjali and Prakash, 2012; Lawania and Mathur, 2014a, 2014b, 2014c, 2014d)
- Uttarakhand (Biswas and Biswas, 2010; Gupta and Siliwal, 2012; Pooja *et al.*, 2019; Siddhu *et al.*, 2020)
- West Bengal (Tikader and Biswas, 1981; Biswas and Biswas, 1992; Majumder, 2004, 2005, 2007; Majumder and Talukdar, 2013; Sengupta *et al.*, 2014; Sen *et al.*, 2015; Roy *et al.*, 2016; Saha *et al.*, 2016; Ghosh *et al.*, 2018)

50. *Telamonia elegans* (Thorell, 1887)= *Viciria elegans* Thorell, 1887

- Kerala (Dhali *et al.*, 2019; Rajeevan *et al.*, 2019)
- Maharashtra (Bastawade and Khandal, 2006; Deshmukh and Chaudhari, 2016; Chaudhari and Deshmukh, 2018)
- Tamil Nadu (Sherriffs, 1931)

51. *Telamonia festiva* Thorell, 1887= *Lyssomanes sikkimensis* Tikader, 1967= *Telamonia sikkimensis* (Tikader, 1967)

- Punjab (Kumari, 1983)
- Sikkim (Tikader, 1967, Logunov, 2004)
- Uttar Pradesh (Hore, 2009)
- West Bengal (Roy *et al.*, 2016)

52. *Telamonia formosa* (Simon, 1902)= *Viciria formosa* Simon, 1902

- Tamil Nadu (Sherriffs, 1931)

53. *Telamonia hasselti* (Thorell, 1878)= *Viciria hasselti* (Thorell, 1878))

- Tamil Nadu (Sherriffs, 1931)

54. *Telamonia peckhami* Thorell, 1891*

- Andaman and Nicobar (Thorell, 1892)
- Maharashtra (Ritthe, 2012; More and Sawant, 2013; More, 2015a, 2015b)

55. *Telamonia vittata* (C.L. Koch, 1846)

- Rajasthan (Chauhan *et al.*, 2009; Kumari *et al.*, 2017)
- Sikkim (Tikader, 1967)
- Uttarakhand (Sherriffs, 1931)
- West Bengal (Tikader and Biswas, 1981; Sen *et al.*, 2015; Roy *et al.*, 2016; Dhali *et al.*, 2017)

56. *Telamonia* sp.

- Gujarat (Parmar *et al.*, 2015)
- Kerala (Sebastian *et al.*, 2005b; Joseph and Premila, 2016)
- Tamil Nadu (Kapoor, 2008)
- Uttar Pradesh (Hore and Uniyal, 2008a, 2008b)

57. *Thyene imperialis* (Rossi 1846)

- Delhi (Malik *et al.*, 2015)
- Gujarat (Parmar, 2013; Parmar and Patel, 2017, 2018; Parmar *et al.*, 2015; Solanki and Kumar, 2015; Solanki, 2016; Prajapati *et al.*, 2016b; Yadav *et al.*, 2017a; Solanki *et al.*, 2020)
- Haryana (Malik and Goyal, 2017)
- Karnataka (Abhijith, 2019)
- Madhya Pradesh (Keswani, 2014)
- Maharashtra (Ritthe, 2012; More and Sawant, 2013; Keswani and Vankhede, 2014)
- Odisha (Choudhury *et al.*, 2019)
- Punjab (Caleb, 2020b)
- Rajasthan (Lawania and Mathur, 2017a, 2017b)
- Tamil Nadu (Caleb and Karthikeyani, 2020; Caleb, 2020a, 2020b)

58. *Thyene* sp.

- Kerala (Sebastian *et al.*, 2005b)
- Uttarakhand (Gupta and Siliwal, 2012)

59. *Vailimia ajmerensis* Caleb and Jangid, 2020*

- = *Ptocasius strupifer* Simon, 1901 (misidentified by Basumatary *et al.*, 2020)
- Rajasthan (Basumatary *et al.*, 2020)

60. *Vailimia jharbari* Basumatary *et al.*, 2020*

- Assam (Basumatary *et al.*, 2020)

61. *Vailimia* sp.

- Goa (Hill *et al.*, 2019; Pandit and Dharwadkar, 2020)
- Karnataka (Hill *et al.*, 2019)
- Kerala (Hill *et al.*, 2019)

62. *Yaginumaella aishwaryi* Sunil Jose, 2013*

- Kerala (Sunil Jose, 2013)

63. *Yaginumaella senchalensis* Prószyński, 1992*

- West Bengal (Prószyński, 1992)

64. *Yaginumaella* sp.

- Karnataka (Abhijith, 2019)
- Manipur (Kananbala *et al.*, 2018)

E. Tribe Salticini Blackwall, 1841**1. *Carrhotus andhra* Caleb, 2020***

- Andhra Pradesh (Caleb *et al.*, 2020)

2. *Carrhotus assam* Caleb, 2020*

- Assam (Caleb *et al.*, 2020)

3. *Carrhotus sannio* (Thorell, 1877)

= *Bianor piratus* Sen *et al.* 2015

- Gujarat (Parmar and Patel, 2018)
- Karnataka (Abhijith, 2019)
- Nagaland (Caleb *et al.*, 2020)
- Odisha (Prószyński, 1992)
- West Bengal (Sen *et al.*, 2015; Dhali *et al.*, 2017; Caleb *et al.*, 2020)

4. *Carrhotus silanthi* Caleb, 2020*

- Tamil Nadu (Caleb *et al.*, 2020)

5. *Carrhotus tristis* Thorell, 1895

- West Bengal (Prószyński, 1992; Caleb *et al.*, 2020)

6. *Carrhotus viduus* (C. L. Koch, 1846)

- = *Carrhotus gajbei* (Karthikeyani and Kannan, 2013)
- = *Marpissa decorata* Tikader, 1974
- = *Marpissa tikaderi* Biswas, 1984
- = *Marpissa lakshmikantapurensis* Majumder, 2004
- = *Plexippus gajbei* Karthikeyani and Kannan, 2013
- Andhra Pradesh (Palem *et al.*, 2016; Caleb *et al.*, 2020)

- Assam (Chetia and Kalita, 2012; Singh *et al.*, 2012, 2013; Singh and Borkotoki, 2014; Roy *et al.*, 2016; Sankaran and Sebastian, 2016; Saha *et al.*, 2016; Basumatary and Brahma, 2017; Dhali *et al.*, 2017)
 - Goa (Pandit and Pai, 2017; Halarnkar and Pai, 2018; Pandit and Dharwadkar, 2020)
 - Gujarat (Patel and Pillai, 1988; Patel and Vyas, 2001; Parmar *et al.*, 2015; Yadav *et al.*, 2017a; Thumar, 2019; Caleb *et al.*, 2020)
 - Karnataka (Bhat *et al.*, 2013; Murali *et al.*, 2017; Mubeen and Basavarajappa, 2018; Rao *et al.*, 2018; Abhijith, 2019; Shraddha and Chaturved, 2019)
 - Kerala (Sudhikumar, 2007; Malamel and Samson, 2014; Mathew *et al.*, 2014; Adarsh and Nameer, 2015; Jose *et al.*, 2018; Dhali *et al.*, 2019; Rajeevan *et al.*, 2019; Caleb *et al.*, 2020a)
 - Lakshadweep (Pocock, 1904)
 - Maharashtra (Prószyński, 1992; Meshram, 2011; Rithe, 2012; Nerlekar *et al.*, 2016; Sawane, 2016; Sankaran and Sebastian, 2016; Lanka *et al.*, 2017; Caleb *et al.*, 2020a)
 - Nagaland (Caleb *et al.*, 2020)
 - Odisha (Biswas, 1987; Panda *et al.*, 2011; Mohapatra *et al.*, 2014; De and Palita, 2018)
 - Tamil Nadu (Sherriffs, 1931; Karthikeyani, 2013; Karthikeyani and Kannan, 2013; Karthikeyani *et al.*, 2017; Dharmaraj *et al.*, 2018; Caleb, 2016b, 2020a, 2020b)
 - Uttar Pradesh (Hore, 2009; Uniyal and Hore, 2009)
 - West Bengal (Tikader, 1974b; Tikader and Biswas, 1981; Biswas and Biswas, 1992; Biswas, 2004a, 2004c, 2005, 2007; Talukdar and Majumder, 2008; Majumder and Talukdar, 2013; Sen *et al.*, 2015; Roy *et al.*, 2016; Dhali *et al.*, 2016, 2017; Ghosh *et al.*, 2018; Caleb *et al.*, 2020a)
- 7. *Carrhotus* sp.**
- Assam (Das *et al.*, 2015)
 - Goa (Halarnkar and Pai, 2018)
 - Gujarat (Yadav *et al.*, 2017a; Parmar and Patel, 2018)
 - Karnataka (Bhat *et al.*, 2013; Rao *et al.*, 2018)
 - Kerala (Sebastian *et al.*, 2005a)
 - Odisha (Choudhury *et al.*, 2019)
 - Uttarakhand (Quasin and Uniyal, 2010; Uniyal *et al.*, 2011)
- 8. *Mogrus fabrei* Simon, 1885***
- Tamil Nadu (Simon, 1885b)
- 9. *Mogrus rajasthanensis* Caleb *et al.*, 2017***
- Rajasthan (Caleb *et al.*, 2017b)
- 10. *Salticus beneficus* (Pickard-Cambridge, 1885)***
- = *Attus benefices* Pickard-Cambridge, 1885
- Jammu and Kashmir (Pickard-Cambridge, 1885; Caporiacco, 1935)
- 11. *Salticus devotus* (Pickard-Cambridge, 1885)**
- = *Attus devotus* Pickard-Cambridge, 1885
- Jammu and Kashmir (Caporiacco, 1935)
- 12. *Salticus scenicus* (Clerck, 1757)**
- = *Calliethera scenic* Koch, 1846
- Andaman and Nicobar (Thorell, 1891)
 - Punjab (Kumari, 1983)
- 13. *Salticus* sp.**
- Gujarat (Parasharya and Pathan, 2013)
 - Jammu and Kashmir (Khan, 2009)
 - Tamil Nadu (Kumar *et al.*, 2013; Umarani and Umamaheswari, 2013)
 - Uttar Pradesh (Khan and Mishra, 2003)
 - Uttarakhand (Uniyal *et al.*, 2011)
 - West Bengal (Talukdar and Majumder, 2008)
- Specis of Salticinae incertae sedis**
- 1. *Dolichoneon typicus* Caporiacco, 1935**
- Jammu and Kashmir (Caporiacco, 1935)
- 2. *Similaria enigmatica* Prószyński, 1992**
- West Bengal (Prószyński, 1992)
- 3. *Tamigalesus munnaricus* Zabka, 1988**
- Kerala (Samson and Sebastian, 2013)
- 4. *Tamigalesus* sp.**
- Goa (Halarnkar and Pai, 2018)

CONCLUSION

West Bengal harbours maximum number of species followed by Tamil Nadu and Maharashtra. Extensive survey for these spiders is required in larger states like Andhra Pradesh, Arunachal Pradesh, Bihar, Chattisgarh, Haryana, Himachal Pradesh, Jammu Kashmir, Ladakh, Jharkhand, Madhya Pradesh, Meghalaya,

Mizoram, Punjab, Rajasthan, Telangana, Tripura and Uttar Pradesh are needed where these spiders are not reported or very poorly represented. Despite the spiders are most diverse group of predators and being crucial to the health of terrestrial ecosystems, none of the species recorded in India is listed in IUCN Red List.

CONFLICT OF INTEREST

The authors declare that there is no conflict of interest regarding the publication of the present review paper.

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