

CHECKLIST OF SPIDERS (ARACHNIDA: ARANEAE) OF THE STATE OF TAMIL NADU, INDIA

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ABSTRACT: A checklist of spiders from the state of Tamil Nadu based on published records, World Spider Catalogue (2016) and collections of the Records of Zoological Survey of India has been presented. Till date 226 species are recorded from this state, representing 33 families and 120 genera. Spider diversity in Salticids was dominated followed by Araneids, Lycosids, Thomisids and Sparassids.

KEY WORDS: Checklist, Arachnida, Araneae, spiders, Tamil Nadu

Tamil Nadu has a geographic area of 130,058 km² with a total forest area of about 22,844 km². The state which ranks 13th among the Indian states and Union territories for forest area, has 14 Wildlife sanctuaries, 14 bird sanctuaries, 5 National Parks, 4 Tiger reserves, 4 elephant reserves and 3 Biosphere Reserves. The region also records high floral and faunal diversity (Mittermeier et al., 1999). Western Ghats, one of the hotspots of India run through the state of Tamil Nadu occupying an area of about 27,069 km².

Invertebrate fauna in the state is poorly documented. Checklists are either limited to butterflies or certain other economically important species such as mosquitoes. Arachnids had no exception. Until now Pocock's Fauna of British India (Pocock, 1900) remains to be the reference for spider identification in India.

Taxonomic studies on spiders in Tamil Nadu were carried out by Simon (1880, 1885a,b, 1892, 1895, 1900, 1901, 1902, 1903, 1905, 1906), Pocock (1899, 1901), Narayan (1915), Gravely (1921, 1924, 1931, 1935), Reimoser (1934), Tikader (1972a,b, 1977, 1980, 1987), Tikader & Gajbe (1976, 1977), Majumder & Tikader (1991), Proszynski (1992a,b), Vijayalakshmi & Ahimaz (1993), Barrion & Litsinger (1995), Coyle (1995), Smith (2004), Gajbe (1999, 2008), Ganeshkumar & Mohanasundaram (1998), Logunov (2001), Logunov & Hereward (2006), Siliwal & Molur (2009), Siliwal et al. (2007, 2011), Sanap & Mirza (2011), Platnick et al. (2011, 2012), Baehr & Baehr (1993), Baehr et al. (2012), Gupta et al. (2013), Caleb & Mathai (2013, 2014a,b,c), Caleb et al. (2014, 2015), Karthikeyani & Kannan (2013) and Tanasevitch (2015). Studies on biodiversity of spiders were carried out by Sugumaran et al. (2007), Kapoor (2008), Jayakumar & Sankari (2010), Shunmugavelu & Karthikeyani (2010), Karthikeyani & Kannan (2012), Karthikeyani & Muthuchelian (2014), Muthuchelian & Karthikeyani (2015). The state records about 63 publications related to spiders until December 2015. The main objective of this paper is to make a complete up-to-date checklist of spiders of Tamil Nadu with its distribution details and bibliography.

MATERIALS AND METHODS

The present checklist is based on published literatures on spiders reported from Tamil Nadu. Two major source of information were from World Spider Catalogue (2016) and Records of Zoological Survey of India. The checklist includes families, genera and species in alphabetical order. For each species, authority, year and distribution details of species with relevant references are given.

Check list: spiders of Tamil Nadu

Till today, 226 species of spiders belonging to 120 genera and 33 families have been reported from the State of Tamil Nadu. (Table 1). Among the thirty three families, Salticidae (28 genera and 39 species) dominated in terms of spider diversity followed by Araneidae (7 genera and 20 species), Lycosidae (8 genera and 18 species), Thomisidae (9 genera and 17 species) and Sparassidae (4 genera and 15 species).

Table 1. Number of genus and species reported from Tamil Nadu.

Families	Genus	Species
Araneidae	7	20
Barychelidae	2	4
Clubionidae	3	6
Corinnidae	4	6
Ctenidae	1	1
Deinopidae	1	1
Dipluridae	1	1
Eresidae	1	3
Eutichuridae	2	5
Gnaphosidae	3	6
Hahniidae	1	1
Hersiliidae	1	2
Idiopidae	3	7
Linyphiidae	1	5
Liocranidae	2	12
Lycosidae	8	18
Mimetidae	2	2
Nephilidae	3	3
Oonopidae	4	10
Oxyopidae	2	3
Philodromidae	1	2
Pholcidae	4	4
Salticidae	28	39
Segestriidae	2	2
Selenopidae	2	3
Sparassidae	4	15
Tetragnathidae	3	7
Theridiidae	2	2
Theraphosidae	6	12
Thomisidae	9	17
Titanoecidae	1	1
Trachelidae	2	2
Zodariidae	4	4
33	120	226

Checklist of Tamil Nadu State spiders (alphabetically by families)

Family: Araneidae Clerck, 1757

Genus: *Araneus* Clerck, 1757

Araneus bilunifer Pocock, 1900 Distribution: Tamil Nadu: Chengalpattu

Araneus viridisomus Gravely, 1921 Distribution: Tamil Nadu: Chennai

Genus: *Argiope* Audouin, 1826

Argiope aemula (Walckenaer, 1841) Distribution: Tamil Nadu: Nilgiri Hills

Argiope anasuja Thorell, 1887 Distribution: Tamil Nadu: Ramanathapuram, Chengalpattu, Ooty, Tuticorin, Sivakasi

Argiope lobata (Pallas, 1772) Distribution: Tamil Nadu: Karur

Argiope pulchella Thorell, 1881 Distribution: Tamil Nadu: Nilgiri Hills, Kumbakarai Falls under Kodaikanal Hills, Chinnapallam village, Rameshwaram, Aattur near Tuticorin, Perumalmai near Kodaikanal Hills

Genus: *Chorizopes* O.P. Cambridge, 1870

Chorizopes caliope (Simon, 1895) Distribution: Tamil Nadu: Kodaikanal

Chorizopes frontalis O. Pickard-Cambridge, 1870 Distribution: Tamil Nadu: Coonoor

Genus: *Cyclosa* Menge, 1866

Cyclosa mulmeinensis (Thorell, 1887) Distribution: Tamil Nadu: Gingee near Villupuram

Genus: *Cyrtophora* Simon, 1864

Cyrtophora cicatrosa (Stoliczka, 1869) Distribution: Tamil Nadu: Chengalpattu, Chinnapallam village, Rameshwaram, Aattur near Tuticorin, Sivakasi

Cyrtophora citricola (Forsskal, 1775) Distribution: Tamil Nadu: Chengalpattu

Cyrtophora moluccensis (Doleschall, 1857) Distribution: Tamil Nadu: Nilgiri Hills

Genus: *Eriovixia* Archer, 1951

Eriovixia excelsa (Simon, 1889) Distribution: Tamil Nadu: Coonoor

Eriovixia laglaizei (Simon, 1877) Distribution: Tamil Nadu: Ooty

Genus: *Gasteracantha* Sundevall, 1833

Gasteracantha cancriformis (Linnaeus, 1758) Distribution: Tamil Nadu: Chennai

Gasteracantha dalyi Pocock, 1900 Distribution: Tamil Nadu: Yercaud, Shevaroy Hills

Gasteracantha geminata (Fabricius, 1798) Distribution: Tamil Nadu: Tirunelveli, Ooty, Ramanathapuram, Chennai, Kumbakarai Falls under Kodaikanal Hills

Gasteracantha remifera Butler, 1873 Distribution: Tamil Nadu: Ooty

Genus: *Neoscona* Simon, 1864

Neoscona theisi (Walckenaer, 1841) Distribution: Tamil Nadu: Pondicherry, Kumbakarai Falls under Kodaikanal Hills

Neoscona vigilans (Blackwall, 1865) Distribution: Tamil Nadu: Chengalpattu, Ooty

Family: Barychelidae Simon, 1889

Genus: *Sason* Simon, 1887

Sason rameshwaram Siliwal & Molur, 2009 Distribution: Tamil Nadu: Rameshwaram Island

Sason robustum (O.P. Cambridge, 1883) Distribution: Tamil Nadu: Chennai

Genus: *Tigidia* Simon, 1892

Tigidia nilgiriensis Siliwal et al., 2011 Distribution: Tamil Nadu: Kothagiri, Nilgiri Hills

Tigidia rutilofronis Siliwal et al., 2011 Distribution: Tamil Nadu: Marudhamalai in Coimbatore

Family: Clubionidae Wagner, 1887

Genus: *Clubiona* Latreille, 1804

Clubiona acanthocnemis Simon, 1906 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills

Clubiona nilgherina Simon, 1906 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills

Clubiona shillongensis Majumder & Tikader 1991 Distribution: Tamil Nadu: Coonoor, Chennai

Genus: *Matidia* Thorell, 1878

Matidia incurvata Reimoser, 1934 Distribution: Tamil Nadu: Karian Shola, Coimbatore

Genus: *Simalio* Simon, 1857

Simalio castaneiceps Simon, 1906 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills

Simalio percomis Simon, 1906 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills

Family: Corinnidae Karsch, 1880

Genus: *Aetius* O. P. Cambridge, 1896

Aetius decollatus O. P. Cambridge, 1896 Distribution: Tamil Nadu: Mudumalai

Genus: *Castianeira* Keyserling, 1879

Castianeira zetes Simon, 1897 Distribution: Tamil Nadu: Chennai

Castianeira flavipes Gravely, 1931 Distribution: Tamil Nadu: Nilgiri Hills

Castianeira quadrimaculata Reimoser, 1934 Distribution: Tamil Nadu: Kolukkumalai near Bodinayakanur

Genus: *Coenoptychus* Simon, 1885

Coenoptychus pulcher Simon, 1885 Distribution: Tamil Nadu: Ramanathapuram, Chennai

Genus: *Corinnomma* Karsch, 1880

Corinnomma rufofuscum Reimoser, 1934 Distribution: Tamil Nadu: Mudumalai

Family: Ctenidae Keyserling, 1877

Genus: *Ctenus* Walckenaer, 1805

Ctenus indicus Gravely, 1931 Distribution: Tamil Nadu: Ooty

Family: Deinopidae C. L. Koch, 1850

Genus: *Deinopsis* MacLeay, 1839

Deinopsis scrubjunglei Caleb & Mathai, 2014 Distribution: Tamil Nadu: Chennai

Family: Dipluridae Simon, 1889

Genus: *Indothele* Coyle, 1995

Indothele rothi Coyle, 1995 Distribution: Tamil Nadu: Down Hill from Kodaikanal

Family: Eresidae C. L. Koch, 1845

Genus: *Stegodyphus* Simon, 1873

Stegodyphus pacificus Pocock, 1900 Distribution: Tamil Nadu: Nilgiris Hills

Stegodyphus sarasinorum Karsch, 1892 Distribution: Tamil Nadu: Chennai, Pondicherry, Chengalpattu, Ooty, Nilgiris Hills

Stegodyphus tibialis O. Pickard-Cambridge, 1869 Distribution: Tamil Nadu: Chennai, Coonoor, Nilgiris Hills, Rajapalyam

Family: Eutichuridae Lehtinen, 1967

Genus: *Cheiracanthium* C. L. Koch, 1839

Cheiracanthium conflexum Simon, 1906 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills

Cheiracanthium insigne O.P. Cambridge, 1874 Distribution: Tamil Nadu: Chennai

Cheiracanthium trivialis (Thorell, 1895) Distribution: Tamil Nadu: Chennai

Cheiracanthium trivittatum, Simon, 1906 Distribution: Tamil Nadu, Gingee Hills near Villupuram

Genus: *Eutichurus* Simon, 1897

Eutichurus chingliputensis Majumder & Tikader, 1991 Distribution: Tamil Nadu: Vedanthangal Sanctuary, Chengalpattu, Chennai

Family: Gnaphosidae Pocock, 1898

Genus: *Callilepis* Westring, 1874

Callilepis rukminiae Tikader & Gajbe, 1977 Distribution: Tamil Nadu: Karur, Salem

Genus: *Poecilochroa* Westring, 1874

Poecilochroa tridotus Caleb & Mathai, 2013 Distribution: Tamil Nadu: Chennai

Genus: *Zelotes* Gistel, 1848

Zelotes ashae Tikader & Gajbe, 1976 Distribution: Tamil Nadu: Gingee near Villupuram

Zelotes maindroni (Simon, 1905) Distribution: Tamil Nadu: Gingee near Villupuram

Zelotes nilgirinus Reimoser, 1934 Distribution: Tamil Nadu: Nilgiri Hills

Zelotes tambaramensis Caleb & Mathai, 2013 Distribution: Tamil Nadu: Tambaram near in Chennai

Family: Hahniidae Bertkau, 1878Genus: *Scotospilus* Simon, 1886*Scotospilus maindroni* Lehtinen, 1967 Distribution: Tamil Nadu: Coonoor**Family: Hersiliidae Thorell, 1870**Genus: *Hersilia* Audouin, 1826*Hersilia savignyi* Lucas, 1836 Distribution: Tamil Nadu: Chennai, Vellore, Nilgiri Hills, Alagar koil near Madurai, Tiruchirapalli*Hersilia tibialis* Baehr & Baehr, 1993 Distribution: Tamil Nadu: Vellore, Chennai, Ooty, Alagar koil near, Madurai**Family: Idiopidae Simon, 1889**Genus: *Idiops* Perty, 1833*Idiops constructor* Pocock, 1900 Distribution: Tamil Nadu: Chengalpattu, Shevaroy Hills*Idiops madrasensis* (Tikader, 1977) Distribution: Tamil Nadu: Kulasekeram near Kanyakumari, Chennai*Idiops mettupalayam* Ganesh Kumar & Siliwal, 2013 Distribution: Tamil Nadu: MettupalayamGenus: *Heligmomerus* Simon, 1892*Heligmomerus prostans* Simon, 1892 Distribution: Tamil Nadu: Kodaikanal, Palni HillsGenus: *Scalidognathus* Karsch, 1892*Scalidognathus montanus* Pocock, 1900 Distribution: Tamil Nadu: Shevaroy Hills*Scalidognathus nigriaraneus* Sanap & Mirza, 2011 Distribution: Tamil Nadu: Dodabetta Peak, Ooty*Scalidognathus tigrinus* Sanap & Mirza, 2011 Distribution: Tamil Nadu: Maruthamalai near in Coimbatore**Family: Linyphiidae Blackwall, 1859**Genus: *Oedothorax* bertkau in Forster & Bertkau, 1883*Oedothorax cunur* Tanasevitch, 2015 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills*Oedothorax kodaikanal* Tanasevitch, 2015 Distribution: Tamil Nadu: Palani Hills*Oedothorax paracymbialis* Tanasevitch, 2015 Distribution: Tamil Nadu: Hulical near Coonoor, Nilgiri Hills*Oedothorax rusticus* Tanasevitch, 2015 Distribution: Tamil Nadu: Kodaikanal, Palani Hills*Oedothorax stylus* Tanasevitch, 2015 Distribution: Tamil Nadu: Anaimalai Hills near Valparai**Family: Liocranidae Simon, 1897**Genus: *Oedignatha* Thorell, 1881*Oedignatha carli* Reimoser, 1934 Distribution: Tamil Nadu: Coonoor*Oedignatha dentifera* Reimoser, 1934 Distribution: Tamil Nadu: Attakatti in Coimbatore district*Oedignatha escheri* Reimoser, 1934 Distribution: Tamil Nadu: Kukkal Shola near Kodaikanal*Oedignatha lesserti* Reimoser, 1934 Distribution: Tamil Nadu: Mudhumalai*Oedignatha microsculata* Reimoser, 1934 Distribution: Tamil Nadu: Coonoor*Oedignatha scrobiculata* Thorell, 1881 Distribution: Tamil Nadu: Chennai*Oedignatha tricuspudata* Reimoser, 1934 Distribution: Tamil Nadu: Attakatti in Coimbatore district, Coonoor*Oedignatha uncata* Reimoser, 1934 Distribution: Tamil Nadu: Mariyan Shola near Kodaikanal HillsGenus: *Sphingius* Thorell, 1890*Sphingius barkudensis* Gravely, 1931 Distribution: Tamil Nadu: Chennai*Sphingius caniceps* Simon, 1906 Distribution: Tamil Nadu: Gingee near Villupuram, Chennai*Sphingius kambakamensis* Gravely, 1931 Distribution: Tamil Nadu: Chengalpattu*Sphingius nilgiriensis* Gravely, 1931 Distribution: Tamil Nadu: Nilgiri Hills**Family: Lycosidae Sundevall, 1833**Genus: *Arctosa* C.L.Koch, 1847

- Arctosa lesserti* Reimoser, 1934 Distribution: Tamil Nadu: Masinagudi near Mudumalai
- Genus: *Draposa* Kronestedt, 2010
- Draposa atropalpis* Gravely, 1924 Distribution: Tamil Nadu: Chennai, Gudalur, Nilgiri Hills
- Draposa lyrivulva* (Bosenberg & Strand, 1906) Distribution: Tamil Nadu: Chennai, Chengalpattu
- Draposa oakleyi* Gravely, 1924 Distribution: Tamil Nadu: Ooty, Nilgiri Hills
- Genus: *Geolycosa* Montgomery, 1904
- Geolycosa carli* (Reimoser, 1934) Distribution: Tamil Nadu: Coonoor
- Genus: *Hippasa* Simon, 1885
- Hippasa agelenoides* (Simon, 1884) Distribution: Tamil Nadu: Chennai
- Hippasa greenalliae* (Blackwall, 1867) Distribution: Tamil Nadu: Trichirapalli, Ooty, Coimbatore, Ramnadapuram, Krusadai Island, Gulf of Mannar
- Hippasa loundesi* Gravely 1924 Distribution: Tamil Nadu: Yercaud, Shevaroy Hills
- Hippasa lycosina* Pocock, 1900 Distribution: Tamil Nadu: Nilgiri Hills
- Hippasa madraspatana* Gravely, 1924 Distribution: Tamil Nadu: Chennai
- Genus: *Lycosa* Latreille, 1804
- Lycosa bistrata* Gravely, 1924 Distribution: Tamil Nadu: Chennai
- Lycosa chaperi* Simon, 1885 Distribution: Tamil Nadu: Coimbatore
- Lycosa indagatrix* Walckenaer, 1837 Distribution: Tamil Nadu: Chengalpattu, Salem, Chennai
- Genus: *Pardosa* C. L. Koch, 1847
- Pardosa birmanica* Simon, 1884 Distribution: Tamil Nadu: Ooty, Nilgiri Hills, Chennai
- Pardosa pseudoannulata* (Bosenberg & Strand, 1906) Distribution: Tamil Nadu: Chennai, Ooty, Coimbatore, Aduthurai near Thanjavur, Sivakasi, Yercaud Hills
- Pardosa sumatrana* (Thorell, 1890) Distribution: Tamil Nadu: Chennai, Coonoor, Ooty, Gudalur, Nilgiri Hills, Yercaud, Shevaroy Hills
- Genus: *Trochosa* C. L. Koch, 1847
- Trochosa punctipes* (Gravely, 1924) Distribution: Tamil Nadu: Chengalpattu
- Genus: *Wadicosa* Zyuzin, 1985
- Wadicosa quadrifera* (Gravely, 1924) Distribution: Tamil Nadu: Chennai, Chengalpattu
- Family: Mimetidae Simon, 1881**
- Genus: *Mimetus* Hentz, 1832
- Mimetus indicus* Simon, 1906 Distribution: Tamil Nadu: Coonoor
- Genus: *Melaenosia* Simon, 1906
- Melaenosia pustulifera* Simon, 1906 Distribution: Tamil Nadu: Gingee near Villupuram
- Family: Nephilidae Simon, 1894**
- Genus: *Herennia* Thorell, 1877
- Herennia multipuncta* (Doleschall, 1859) Distribution: Tamil Nadu: Ooty
- Genus: *Nephila* Leach, 1815
- Nephila pilipes* (Fabricius, 1793) Distribution: Tamil Nadu: Ooty, Tirunelveli
- Genus: *Nephilengys* L.Koch, 1872
- Nephilengys malabarensis* (Walckenaer 1841) Distribution: Tamil Nadu: Ooty
- Family: Oonopidae Simon, 1890**
- Genus: *Brignolia* Dumitresco and Georgesco, 1983
- Brignolia cardamom* Platnick et al., 2011 Distribution: Tamil Nadu: Cardomom hills, Palani Hills, Kodaikanal, Varushanad Hills, Suruli Falls
- Brignolia kumily* Platnick et al., 2011 Distribution: Tamil Nadu: Cardomom Hills near North East of Kumily
- Brignolia parumpunctata* (Simon, 1893) Distribution: Tamil Nadu: Alagarkoil, Madurai
- Brignolia rothorum* Platnick et al., 2011 Distribution: Tamil Nadu: Kodaikanal
- Brignolia valparai* Platnick et al., 2011 Distribution: Tamil Nadu: Anaimalai Hills, Valparai

Brignolia nilgiri Platnick et al., 2011 Distribution: Tamil Nadu: Coonoor, Nilgiri Hills

Brignolia kodaik Platnick et al., 2011 Distribution: Tamil Nadu: Kodaikanal

Genus: *Gamasomorpha* Karsch, 1881

Gamasomorpha clypeolaria Simon, 1907 Distribution: Tamil Nadu: Pondicherry

Genus: *Pelycinus* Simon, 1891

Pelycinus madurai Platnick et al., 2012 Distribution: Tamil Nadu: Alagarkovil, Madurai

Genus: *Prethopalpus* Baehr et al, 2012

Prethopalpus madurai Baehr et al, 2012 Distribution: Tamil Nadu: Madurai

Family: Oxyopidae Thorell, 1870

Genus: *Oxyopes* Latreille, 1804

Oxyopes hindostanicus Pocock, 1901 Distribution: Tamil Nadu: Chennai, Nilgiri Hills, Sivakasi

Genus: *Peucetia* Thorell, 1869

Peucetia graminea Pocock, 1900 Distribution: Tamil Nadu: Kotagiri, Nilgiri Hills, Chennai

Peucetia viridana (Stoliczka, 1869) Distribution: Tamil Nadu: Chennai, Chengalpattu, Ooty, Sivakasi

Family: Philodromidae Thorell, 1870

Genus: *Tibellus* Simon, 1875

Tibellus pateli Tikader, 1980 Distribution: Tamil Nadu: Coimbatore

Tibellus vitilis Simon, 1906 Distribution: Tamil Nadu: Pondicherry, Gingee near Villupuram, Coonoor

Family: Pholcidae C. L. Koch, 1850

Genus: *Artema* Walckenaer, 1837

Artema atlanta Walckenaer, 1837 Distribution: Tamil Nadu: Pondicherry, South Arcot, Gingee near Villupuram

Genus: *Belisana* Thorell, 1898

Belisana dodabetta Huber, 2005 Distribution: Tamil Nadu: Dodabetta, Nilgiri Hills

Genus: *Crossopriza* Simon, 1893

Crossopriza lyoni (Blackwall, 1867) Distribution: Tamil Nadu: Pondicherry, Perumalmalai near Kodaikanal, Gingee near Villupuram

Genus: *Pholcus* Walckenaer, 1805

Pholcus phalangioides (Fuesslin, 1775) Distribution: Tamil Nadu: Tiruchirappalli, Perumalmalai near Kodaikanal Hills

Family: Salticidae Blackwall, 1841

Genus: *Aelurillus* Simon, 1884

Aelurillus kronstedti Azarkina, 2004 Distribution: Tamil Nadu: Chennai

Genus: *Bianor* Peckham & Peckham, 1886

Bianor incitatus Thorell, 1890 Distribution: Tamil Nadu: Valparai near Pollachi, Chennai

Genus: *Brettus* Thorell, 1895

Brettus albolimbatus Simon, 1900 Distribution: Tamil Nadu: Tiruchirappalli

Brettus anchorum Wanless, 1979 Distribution: Tamil Nadu: Nilgiri hills

Genus: *Carrhotus* Thorell, 1891

Carrhotus viduus (C.L. Koch, 1846) Distribution: Tamil Nadu: Madurai

Genus: *Chalcotropis* Simon, 1902

Chalcotropis pennata Simon, 1902 Distribution: Tamil Nadu: Tiruchirappalli, Madurai

Genus: *Chrysilla* Thorell, 1887

Chrysilla jesudasi Caleb & Mathai, 2014 Distribution: Tamil Nadu: Chennai

Genus: *Colaxes* Simon, 1900

Colaxes nitidiventris Simon, 1900 Distribution: Tamil Nadu: Tiruchirappalli

Genus: *Cyrba* Simon, 1876

Cyrba ocellata (Kroneberg, 1875) Distribution: Tamil Nadu: Coimbatore

Genus: *Harmochirus* Simon, 1885

Harmochirus exaggeratus Caleb & Mathai, 2015 Distribution: Tamil Nadu: Chennai

- Harmochirus zabkai* Logunov, 2001 Distribution: Tamil Nadu: Chennai, Alagarkoil Hills near Madurai
 Genus: *Hyllus* C. L. Koch, 1846
Hyllus manu Caleb et al., 2014 Distribution: Tamil Nadu: Chennai
 Genus: *Jerzego* Maddison, 2014
Jerzego bipartitus (Simon, 1903) Distribution: Tamil Nadu, Chennai
 Genus: *Langona* Simon, 1901
Langona albolinea Caleb & Mathai, 2015 Distribution: Tamil Nadu: Chennai
Langona tigrina (Simon, 1885) Distribution: Tamil Nadu: Coimbatore
 Genus: *Mashonarus* Wesolowska & Cumming, 2002
Mashonarus davidi Caleb, Mungkung & Mathai, 2015 Distribution: Tamil Nadu: Chennai
 Genus: *Myrmarachne* MacLeay, 1839
Myrmarachne megachelae Ganesh Kumar & Mohanasundaram, 1998 Distribution: Tamil Nadu: Coimbatore
Myrmarachne ramunni Narayan, 1915 Distribution: Tamil Nadu: Chennai
Myrmarachne roeweri Reimoser, 1934 Distribution: Tamil Nadu: Pykara near Ooty, Gudalur
 Genus: *Onomastus* Simon, 1900
Onomastus indra Benjamin, 2010 Distribution: Tamil Nadu: Kodaikanal
Onomastus patellaris Simon, 1900 Distribution: Tamil Nadu: Kodaikanal, Trichy
 Genus: *Phanuelus* Caleb & Mathai, 2015
Phanuelus gladstone Caleb & Mathai, 2015 Distribution: Tamil Nadu: Chennai
 Genus: *Phlegra* Simon, 1876
Phlegra prasanna Caleb & Mathai, 2015 Distribution: Tamil Nadu: Chennai
 Genus: *Phintella* Strand in Bosenberg & Strand, 1906
Phintella alboterminus Caleb, 2014 Distribution: Tamil Nadu: Chennai
Phintella coonooriensis Proszynski, 1992 Distribution: Tamil Nadu: Coonoor
Phintella nilgirica Proszynski, 1992 Distribution: Tamil Nadu: Nilgiri Hills
Phintella volupe (Karsch, 1879) Distribution: Tamil Nadu: Chennai
 Genus: *Plexippus* C. L. Koch, 1846
Plexippus gajbei Karthikeyani & Kannan, 2013 Distribution: Tamil Nadu: Kumbakarai Falls under Kodaikanal Hills
 Genus: *Phintella* Bosenberg & Strand, 1906
Phintella accentifera (Simon, 1901) Distribution: Tamil Nadu: Madurai
 Genus: *Pilia* Simon, 1902
Pilia saltabunda Simon, 1902 Distribution: Tamil Nadu: Kodaikanal
Pilia escheri Reimoser, 1934 Distribution: Tamil Nadu: Karteri valley near in Ooty
 Genus: *Piranthus* Thorell, 1895
Piranthus casteti Simon, 1900 Distribution: Tamil Nadu: Tiruchirapalli
 Genus: *Pseudicius* Simon, 1885
Pseudicius modestus Simon, 1885 Distribution: Tamil Nadu: Ramanathapuram
 Genus: *Stenaelurillus* Simon, 1886
Stenaelurillus lesserti Reimoser, 1934 Distribution: Tamil Nadu: Masinagudi near Mudumalai
 Genus: *Synagelides* Strand, 1906
Synagelides lehtineni Logunov & Hereward, 2006 Distribution: Tamil Nadu: Doddabetta, Nilgiri Hills
 Genus: *Thyene* Simon, 1885
Thyene bivittata Xie & Peng, 1995 Distribution: Tamil Nadu: Chennai
 Genus: *Viciria* Thorell, 1877
Viciria diatretra Simon, 1902 Distribution: Tamil Nadu: Tiruchirapalli, Chennai
Viciria minima Reimoser, 1934 Distribution: Tamil Nadu: Coonoor
 Genus: *Zeuxippus* Thorell, 1891
Zeuxippus histrio Thorell, 1891 Distribution: Tamil Nadu: Vellore
- Family: Segestriidae Simon, 1893**
 Genus: *Ariadna* Audouin, 1826
Ariadna nebulosa Simon, 1906 Distribution: Tamil Nadu: Madurai
 Genus: *Segestria* Latreille, 1804

Segestria inda Simon, 1906 Distribution: Tamil Nadu: Gingee near Villupuram

Family: Selenopidae Simon, 1897

Genus: *Makdiops* Crews & Harvey, 2011

Makdiops nilgirensis (Reimoser, 1934) Distribution: Tamil Nadu: Nilgiri Hills

Genus: *Selenops* Latreille, 1819

Selenops radiatus Latreille, 1819 Distribution: Tamil Nadu: Chidambaram

Selenops shevaroyensis Gravely, 1931 Distribution: Tamil Nadu: Yercaud

Family: Sparassidae Bertkau, 1872

Genus: *Heteropoda* Latreille, 1804

Heteropoda fabrei Simon, 1885 Distribution: Tamil Nadu: Ramanathapuram, Tiruchirappalli

Heteropoda hamptoni Pocock, 1901 Distribution: Tamil Nadu: Ooty, Nilgiri Hills

Heteropoda lentula Pocock, 1901 Distribution: Tamil Nadu: Tirunelveli

Heteropoda leprosa Simon, 1884 Distribution: Tamil Nadu: Ooty, Nilgiri Hills

Heteropoda malitiosa Simon, 1906 Distribution: Tamil Nadu: Gingee, Coonoor

Heteropoda nilgirina Pocock, 1901 Distribution: Tamil Nadu: Kotagiri, Ooty, Coonoor, Nilgiri Hills

Heteropoda sexpunctata Simon, 1885 Distribution: Vandalur, Pallavaram, Chennai, Nagalapuram Hills, Chengalpattu

Heteropoda venatoria (Linnaeus, 1767) Distribution: Tamil Nadu: Ooty, Kumbakarai Falls under Kodaikanal Hills, Chennai

Genus: *Olios* Walckenaer, 1837

Olios milleti (Pocock, 1901) Distribution: Tamil Nadu: Chennai, Kambakam Hills, Chengalpattu, Sivakasi

Olios obesulus (Pocock, 1901) Distribution: Tamil Nadu: Chennai

Olios sensilis Simon, 1880 Distribution: Tamil Nadu: Tiruchirappalli

Genus: *Palystes* L. Koch, 1875

Palystes flavidus Simon, 1897 Distribution: Tamil Nadu: Tiruchirappalli

Genus: *Thelcticopis* Karsch, 1884

Thelcticopis ajax Pocock, 1901 Distribution: Tamil Nadu: Ooty

Thelcticopis maindroni Simon, 1906 Distribution: Tamil Nadu: Coonoor

Thelcticopis rufula Pocock, 1901 Distribution: Tamil Nadu: Nilgiri Hills

Family: Tetragnathidae Menge, 1866

Genus: *Leucauge* White, 1841

Leucauge decorata (Blackwall, 1864) Distribution: Tamil Nadu: Nilgiri Hills, Red Hills, Aattur near Tuticorin, Chengalpattu, Yercaud, Kumakarai Falls under Kodaikanal Hills

Genus: *Orsinome* Thorell, 1890

Orsinome marmorea Pocock, 1901 Distribution: Tamil Nadu: Nilgiri Hills

Genus: *Tetragnatha* Latreille, 1804

Tetragnatha ceylonica O. Pickard-Cambridge, 1869 Distribution: Tamil Nadu: Chennai

Tetragnatha cochinchinensis Gravely, 1921 Distribution: Tamil Nadu, Nilgiri Hills

Tetragnatha geniculata Karsch, 1892 Distribution: Tamil Nadu: Chennai

Tetragnatha javana (Thorell, 1890) Distribution: Tamil Nadu: Ooty, Nilgiri Hills

Tetragnatha mandibulata Walckenaer, 1841 Distribution: Tamil Nadu: Pondicherry

Family: Theridiidae Sundevall, 1833

Genus: *Parasteatoda* Archer, 1946

Parasteatoda brookesiana (Barrion & Litsinger, 1995) Distribution: Tamil Nadu: Mettupalayam, Coimbatore

Genus: *Theridion* Walckenaer, 1805

Theridion nilgherinum Simon, 1905 Distribution: Tamil Nadu: Nilgiri Hills

Family: Theraphosidae Thorell, 1869

Genus: *Annandaliella* Hirst, 1909

Annandaliella pectinifera Gravely, 1935 Distribution: Tamil Nadu: Coimbatore

Genus: *Haploclastus* Simon, 1892

Haploclastus cervinus Simon, 1892 Distribution: Tamil Nadu: Shembaganur, Kodaikanal, Palani Hills

Haploclastus nilgirinus Pocock, 1899 Distribution: Tamil Nadu: Nilgri Hills
Haploclastus tenebrosus Gravelly, 1935 Distribution: Tamil Nadu: High wavy Mountains, Madurai

Genus: *Neoheterophriectus* Siliwal & Raven, 2012

Neoheterophriectus madraspatanus Gravelly, 1935 Distribution: Tamil Nadu: Chengalpattu, Velacheri, Chennai

Genus: *Plesiophriectus* Pocock, 1899

Plesiophriectus fabrei (Simon, 1892) Distribution: Tamil Nadu: Madurai

Plesiophriectus linteatus (Simon, 1891) Distribution: Tamil Nadu: Pondicherry

Plesiophriectus nilagiriensis Siliwal, Molur & Raven, 2007 Distribution: Tamil Nadu: Nilgiri Hills

Genus: *Poecilotheria* Simon, 1885

Poecilotheria formosa Pocock, 1899 Distribution: Tamil Nadu: Kadiampatti, Malapuram, Salem

Poecilotheria hanumavilasumica Smith, 2004 Distribution: Tamil Nadu: Mandapam near Ramanathapuram, Rameswaram Island

Poecilotheria regalis Pocock, 1899 Distribution: Tamil Nadu: Sengottai, Mudumalai, Masinagudi, Avinashi, Nilgiri Hills, Moongipallam near Anaikatti, Puttappathi near Siruvani, Theppakadu near Ooty, Arakkonam

Genus: *Sahydroaraneus* Mirza & Sanap, 2014

Sahydroaraneus collinus Pocock, 1899 Distribution: Tamil Nadu: Shevaory Hills, Yercaud

Family: Thomisidae Sundevall, 1833

Genus: *Angaeus* Thorell, 1881

Angaeus pentagonalis Pocock, 1901 Distribution: Tamil Nadu: Nilgiri Hills

Genus: *Diaea* Thorell, 1869

Diaea pogneti Simon, 1885 Distribution: Tamil Nadu: Coimbatore

Genus: *Dietopsa* Strand, 1932

Dietopsa parnassia Simon, 1895 Distribution: Tamil Nadu: Coonoor, Palani Hills

Genus: *Henriksenia* Lehtinen, 2004

Henriksenia hilaris (Thorell, 1877) Distribution: Tamil Nadu: Pondicherry, Gingee

Genus: *Lycopus* Thorell, 1895

Lycopus trabeatus Simon, 1895 Distribution: Tamil Nadu: Coonoor

Genus: *Oxytate* L. Koch, 1878

Oxytate chlorion (Simon, 1906) Distribution: Tamil Nadu: Coonoor

Oxytate virens (Thorell, 1891) Distribution: Tamil Nadu: Yercaud

Genus: *Ozyptila* Simon, 1864

Ozyptila theobaldi Simon, 1885 Distribution: Tamil Nadu: Coimbatore

Genus: *Runcinia* Simon, 1875

Runcinia escheri (Reimoser, 1934) Distribution: Tamil Nadu: Masinagudi near Mudumalai

Runcinia insecta (L. Koch, 1875) Distribution: Tamil Nadu: Coimbatore

Genus: *Thomisus* Walckenaer, 1805

Thomisus granulifrons Simon, 1906 Distribution: Tamil Nadu: Pondicherry, Gingee

Thomisus leucaspis Simon, 1906 Distribution: Tamil Nadu: Gingee

Thomisus lobosus Tikader, 1965 Distribution: Tamil Nadu: Kodaikanal Hills

Thomisus pugilis Stoliczka, 1869 Distribution: Tamil Nadu: Chennai

Thomisus rigoratus Simon, 1906 Distribution: Tamil Nadu: Gingee, Coonoor

Tmarus fasciolatus Simon, 1906 Distribution: Tamil Nadu: Coonoor, Gingee

Tmarus soricinus Simon, 1906 Distribution: Tamil Nadu: Coonoor

Family: Titanoecidae Lehtinen, 1967

Genus: *Anuwinda* Lehtinen, 1967

Anuwinda escheri (Reimoser, 1934) Distribution: Tamil Nadu: Mudhumalai

Family: Trachelidae Simon, 1897

Genus: *Trachelas* L.Koch, 1872

Trachelas oreophilus Simon, 1906 Distribution: Tamil Nadu: Gingee Hills near Villupuram

Genus: *Utivarachna* Kishida, 1940

Utivarachna fronto Simon, 1906 Distribution: Tamil Nadu: Palni Hills, Kodaikanal, Trichirappalli

Family: Zodariidae Thorell, 1881

Genus: *Cryptothele* L. Koch, 1872

Cryptothele collina Pocock, 1901 Distribution: Tamil Nadu: Ooty, Chennai

Genus: *Cydrela* Thorell, 1873

Cydrela escheri (Reimoser, 1934) Distribution: Tamil Nadu: Kleine Shola gegen, Kukkal near Kodaikanal

Genus: *Hermippus* Simon, 1893

Hermippus cruciatus Simon, 1905 Distribution: Tamil Nadu: Gingee near Villupuram, South Arcot

Genus: *Mallinella* Strand, 1906

Mallinella nilgherina (Simon, 1906) Distribution: Tamil Nadu: Nilgiri Hills

CONCLUSION

For conservation assessment of any species group, check list is inevitable. The information generated in this study provides a baseline data with complete profile of spiders from Tamil Nadu which can be useful for future workers. The distribution and occurrence of spiders are influenced by habitat structure and vegetation parameters. In recent times habitat loss and habitat fragmentation are said to be major threats for species (IUCN, 2015). Understanding the species status and conservation initiatives are very much needed to protect this species from extinction. Creating awareness and there by involving local communities are very much needed to slow down habitat alteration and fragmentation.

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