



## Review article

## A checklist of spiders of Nepal (Arachnida; Araneae)

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## ABSTRACT

Spiders (order Araneae) have a worldwide distribution. As of June 17, 2022, the World spider catalog, Version 23.0, enlists 50,188 species of spiders from throughout the world. Except for the open sea and air, spiders live in every ecological environment. They prefer densely vegetated environments and are the world's seventh most diverse group of creatures in terms of species diversity. The checklist of spiders of south Asia mentions 222 spider species from Nepal, grouped into 23 families. However, the official database of the Nepalese government only lists 175 species of Nepalese spiders. This checklist is a vital update to the diversity of the spider fauna of Nepal. The goal is to compile a thorough list of all the spiders found in Nepal. We have enlisted 386 different spider species from Nepal, belonging to 135 different genera and 34 different families, after reviewing previous scientific publications, computer databases of the Nepalese government, and the World spider catalog, Version 23.0. It adds a total of 211 new spiders to Nepal's biodiversity database. Linyphiidae and Salticidae spiders dominate accounting for 27.46 percent and 17.36 percent of total species, respectively, on the checklist. Corrections to previous misidentifications are also included in this checklist, as well as taxonomy revisions. Synonymous species are sorted out to avoid recurrence. The trends in Nepalese spider discovery and dispersion have also been studied.

## 1. Introduction

Spiders are found all over the planet and have mastered all natural situations, excluding the open sea and the air [1]. The World spider catalog, Version 23.0, has 50,188 species of spiders from all across the world as of June 17, 2022 [2]. The amount of extant species of spiders has been estimated to be over 170,000 [3] although it could be much higher. Spiders are without a doubt the largest taxonomic group that is totally made up of predators. Part of their success can be attributed to their skill to colonize almost all terrestrial habitats, from marine intertidal zones [4] to high altitude areas, as evidenced by the champion *Euophrys omnisuperstes* [5] which can be found at 6700 m altitude in the Himalayas [6]. Spider study is growing, thanks to new taxonomic discoveries, neuronal properties of spider venom, and the versatility of spider silk.

Brignoli [7, 8, 9, 10], Wunderlich [11, 12, 13], Ono [14, 15, 16, 17, 18, 19], Zabka [20, 21, 22, 23], Bohdanowicz [24, 25], Thapa [26], and Buchar [27, 28, 29] were among the significant contributors to the study of Nepalese spiders in the mid-twentieth century [30]. Several studies have been based on Prof. J. Martens' collections from the Himalayan expeditions. Buchar introduced 7 new Lycosid spiders from Nepal in 1976, 1978, and 1984. Bohdanowicz (1979, 1987) described new *Synagelides* spiders from Nepal in his studies. Ono (1979, 1980, and 1985)

used numerous thomisid spiders from Nepal in his research. Other researchers by Ono (1983, 2006) and Jocqué (1992) describe endemic Zodariidae spiders from Nepal. Nishikawa's study from 1980 introduced 2 new *Agelena* spiders from Nepal's Khumbu region. Zabka discovered 11 distinct salticid spiders in Nepal during his research. Other 2 spider species belonging to the genus *Suffasia* were also discovered from eastern Nepal [31]. Two hersilid spiders from Nepal were introduced by Baehr & Baehr in 1993. There were 144 species of spiders in Nepal, according Thapa's book; "Enumeration of Spiders of Nepal" [26]. Jastrzebski [32, 33, 34, 35, 36, 37, 38, 39] cites 15 different salticid spiders from Nepal in his various researches. A study on rice field spiders was also conducted in Nepal's Chitwan district [40]. Jäger [41, 42, 43, 44, 45] describes the family Sparassidae, which includes 33 species from Nepal. Wang discovered 7 new *Himalcoelotes* species in his research [46]. There are 37 new spiders of the genus *Draconarius* in the revised list of ceolotine spiders from Nepal [47]. Different Studies by Tanasevitch [48, 49, 50, 51, 52, 53, 54, 55, 56] Tanasevitch and Saaristo [57], and Wunderlich [11, 12, 13] enlist many linyphid spiders from Nepal. The "Nepal biodiversity resource book" featured a checklist of spiders of Nepal (Annex 2.1) with 175 species of spiders belonging to 22 distinct families, based on data from earlier publications [26, 40, 58]. Similarly, the checklist of south Asian spiders identified 222 spider species belonging to 79 genera. 176 of

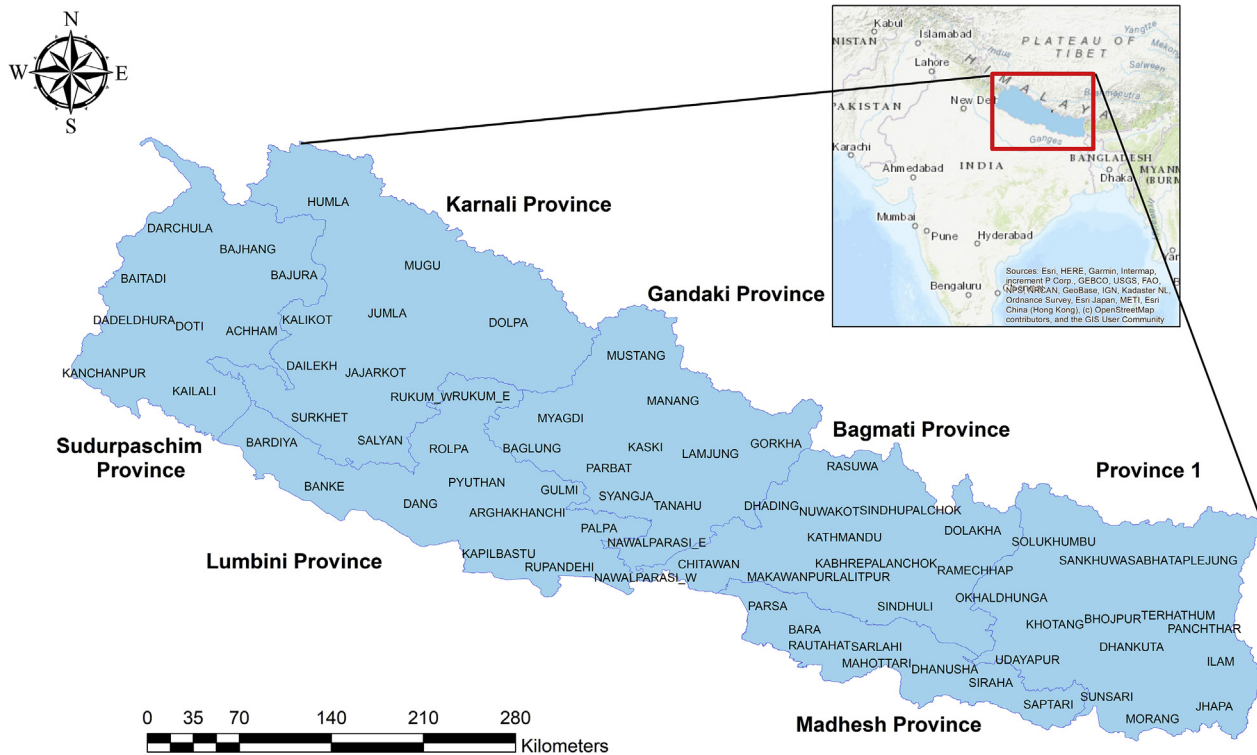
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**Figure 1.** Map of Nepal; Geographical and political. The small rectangular box displays Nepal's geographic location inside Asia. Nepal is a landlocked nation in Southeast Asia that shares borders with both China and India. Lying below is the enlarged political map of Nepal. There, it makes reference of Nepal's federal provinces and districts.

those species were only found in Nepal [30]. Wang and Zhu discovered 3 new species of the genus *Himalmartensius* in Nepal [59]. 38 different Nepalese spiders of the genus *Draconarius* are described in a study based on J. Marten's collection from Himalayan trips [47]. Four new *Camptoscaphiella* species were discovered in Nepal by Baehr and Ubick in 2010. Platnick et al. found 3 new species of *Brignolia* in Nepal [60]. Huber described 2 species of genus *Pholcus* from Nepal in 2011. Jager found a new species of genus *Ctenus* in 2012. Four species of the genus *Himalayana* from Nepal are included in Grismado's study [61].

Nepal's official spider species count is 175 as published in "Nepal's Sixth National Report to The Convention on Biological Diversity" (2018), released by the Ministry of Forest and Environment, Government of Nepal [62]. Furthermore, the study by Xu et al. documented 5 new species of the genus *Leclercera* from Nepal [63]. Chang and Li added another *Leclercera* spider to the list [64]. For the first time in Nepal, Shrestha and Dorr announced the finding of the genus *Lactrodectus* in 2020 [65]. Nine new Asian salticid spider species were discovered during a field study in Nepal's Chitwan National Park [66]. A new genus, *Himalafurca*, is described in a recent study including two species from Nepal [52]. A different study reports 7 new *Pimoa* species from Nepal [67].

Furthermore research on Nepalese spiders has been ongoing since last inventory, and this update to the Nepalese spider checklist is critical. The purpose of this article is to compile a list of all the spider species discovered in Nepal, update their taxonomy and reveal the current state of spider research in Nepal.

## 2. Study area

Nepal, a southeast Asian country that makes up around 0.1 percent of the world's landmass, is home to 118 different ecosystems [68]. It is a

biogeographical transition zone between the Palearctic and Palaeartic biogeographical realms in the south and the Palaeartic biogeographical realms in the north [69]. Nepal is divided into three ecological regions; Mountain, hills and terai. The climate ranges from tropical to arctic in a short distance of 180 km [68]. Extreme height fluctuation (70–8848.86 m) and precipitation (up to 5500 mm yearly) [70], divergent temperatures, aspect, and humidity form a complex mosaic of ecosystems and habitat ranging from tropical forest through alpine highlands in Nepal [68]. The classification by Stainton identified 35 various forest types in Nepal [71]. Nepal is home to a vast range of flora and animals. According to Nepal's sixth national report to the Convention on Biological Diversity (2018), the country is home to over 13,000 species of flora and over 17,000 species of fauna [62]. Politically, Nepal is divided into 77 districts and 7 federal provinces (see Figure 1).

## 3. Materials and methods

### 3.1. Data collection

This checklist was created using information from previous publications in international journals, books, a computer database, and scientific records from "The World Spider Catalog" (Version-23.0). Using Google Scholar's all-in-title feature, we looked for literature discussing Nepalese spiders using keywords with Boolean operators "Spider" OR "Spiders", "Nepal". There were a total of 21 search results, with 14 articles and 7 citations. To find the papers listed, these citations were copied and searched in full scale in Google Chrome. Then, using the terms "Checklist of Nepalese spiders," "List of Nepalese spiders," "Nepalese spiders," "Nepali spiders," "Spiders from Nepal," "Spiders in Nepal," and "Spiders of Nepal", multiple full-scale

**Table 1.** Nepalese spider genera and species by family.

| SN  | Family            | No. of Genera | No. of Species | No. of endemic species | Guild Structures [75]      |
|-----|-------------------|---------------|----------------|------------------------|----------------------------|
| 1.  | Agelenidae        | 4             | 50             | 46                     | Sheet web builders         |
| 2.  | Amaurobiidae      | 1             | 3              | 3                      | Sheet web builders         |
| 3.  | Anapidae          | 1             | 2              | 2                      | Orb weavers                |
| 4.  | Araneidae         | 4             | 9              | 0                      | Orb weavers                |
| 5.  | Ctenidae          | 1             | 1              | 1                      | Ground/other hunters       |
| 6.  | Deinopidae        | 1             | 1              | 0                      | Ambush hunters             |
| 7.  | Dictynidae        | 1             | 1              | 0                      | Space web builder          |
| 8.  | Eresidae          | 1             | 1              | 0                      | Sheet web builders         |
| 9.  | Gnaphosidae       | 2             | 4              | 1                      | Ground hunters             |
| 10. | Hahniidae         | 2             | 2              | 2                      | Sheet web builders         |
| 11. | Hersiliidae       | 1             | 3              | 1                      | Sensing web builder        |
| 12. | Linyphiidae       | 41            | 106            | 82                     | Web builders/<br>wandering |
| 13. | Lycosidae         | 7             | 18             | 4                      | Ground hunters             |
| 14. | Mysmenidae        | 1             | 1              | 1                      | Space web builder          |
| 15. | Nesticidae        | 1             | 1              | 0                      | Space web builder          |
| 16. | Oonopidae         | 5             | 16             | 12                     | Ground hunters             |
| 17. | Oxyopidae         | 1             | 3              | 0                      | Stalkers                   |
| 18. | Pholcidae         | 1             | 2              | 0                      | Space web builder          |
| 19. | Pimoidae          | 1             | 9              | 9                      | Sheet web builders         |
| 20. | Pisauridae        | 1             | 1              | 0                      | Ambush hunter              |
| 21. | Psecridae         | 2             | 3              | 1                      | Sheet web builders         |
| 22. | Psilodercidae     | 1             | 7              | 7                      | -                          |
| 23. | Salticidae        | 30            | 67             | 27                     | Stalkers                   |
| 24. | Scytodidae        | 1             | 1              | 0                      | Hunters                    |
| 25. | Selenopidae       | 1             | 1              | 0                      | Ambush hunters             |
| 26. | Sparassidae       | 3             | 33             | 32                     | Wandering spiders          |
| 27. | Symphytognathidae | 1             | 1              | 1                      | Orb weavers                |
| 28. | Tetrablemmidae    | 2             | 2              | 2                      | Sheet web builders         |
| 29. | Tetragnathidae    | 2             | 2              | 0                      | Orb weavers                |
| 30. | Theraphosidae     | 1             | 1              | 1                      | Sensing web builder        |
| 31. | Theridiidae       | 2             | 2              | 1                      | Space web builder          |
| 32. | Thomisidae        | 7             | 23             | 7                      | Ambush hunters             |
| 33. | Titanoecidae      | 1             | 1              | 1                      | Space web builder          |
| 34. | Zodariidae        | 3             | 8              | 7                      | Specialists                |

Google searches for more literature were conducted. Digital data on Nepalese spiders was collected from a government database. The World spider catalog was browsed through in order to include every article on Nepalese spiders in this study. For the last inspection, snowball referencing was used. This resulted in 94 published articles about Nepalese spiders in total. In addition, other publications, reports, and catalogs were scrutinized for accuracy.

### 3.2. Analysis

We investigated the trend in discovery of spiders from Nepal through measure of Karl Pearson's coefficient of correlation [72]. Also, we compared our findings and examined the spider biodiversity within and outside Nepalese territory.

### 3.3. Representation

The findings were then organized as a checklist in a tabular fashion and classified according to the spider species' taxonomic family. The species' location, global distribution and bibliography are also included. The spider taxonomy is based on Version 23.0 of the World Spider Catalog (2022). The information is also displayed using descriptive statistics such as graphs and charts. The map was plotted in ArcMap version 10.4.1.

## 4. Results

We found 386 different spider species in Nepal, divided into 135 genera and 34 families (see Tables 1 and 2). Out of these, 251 species are endemic. This is a more than twofold increase in Nepal's spider biodiversity database. Linyphiidae and Salticidae spiders dominate accounting for 27.46 percent and 17.36 percent of total species, respectively (Figure 2, Figure 3). Nepalese spider study appears to be centered in the mountain ecological zone (63%) followed by the hills (31%) and the Terai region (6%) (Figure 4). The bulk of enlisted spiders are found in Province 1, while Sudurpaschim and Madhesh Provinces each have only one spider described (Figure 5). About 94 different articles on Nepalese spiders have been published since 1910. Karl Pearson's correlation analysis revealed a slightly positive trend in discovery of spiders from Nepal ( $r = 0.228$ ). Maximum discoveries (44 species) have been made in 2021 (Figure 6).

**Table 2.** Spiders of Nepal and their distribution by family

| S.N   | Genera                                | Species with Bibliography  | Location (District/Province)  | Distribution  |
|---|---------------------------------------|--|---|---|
| <b>I. FAMILY AGELENIDAE C.L. Koch, 1837</b> |                                       |  |   |   |
| 1.  | <i>Agelena</i> Walekenae, 1837        | <i>Agelena lukla</i> [76]<br><i>Agelena Sherpa</i> [76]  | Solukhumbu/ Province 1  | Nepal and China<br>Endemic  |
| 2.  | <i>Draconarius</i> Ovtchinnikov, 1999 | <i>Draconarius beloniformis</i> [47]<br><i>Draconarius bifarius</i> [47]<br><i>Draconarius brevikarenos</i> [47]<br><i>Draconarius capitellus</i> [47]<br><i>Draconarius communis</i> [47]<br><i>Draconarius condocephalus</i> [47]<br><i>Draconarius confusus</i> [47]<br><i>Draconarius contiguus</i> [47]<br><i>Draconarius cylindratus</i> [47]<br><i>Draconarius dapaensis</i> [47]<br><i>Draconarius distinctus</i> [47]<br><i>Draconarius dorsicephalus</i> [47]<br><i>Draconarius gorkhaensis</i> [47]<br><i>Draconarius gorkha</i> [47] | Mustang/ Gandaki Province<br>Terhathum/ Province 1<br>Ilam/ Province 1<br>Myagdi/ Gandaki Province<br>Parbat/ Gandaki Province<br>Taplejung/ Province 1<br>Dolakha/ Bagmati Province<br>Dolpa/ Karnali Province<br>Taplejung/ Province 1<br>Mustang/ Gandaki Province<br>Panchthar / Province 1<br>Dolakha/Bagmati Province<br>Gorkha/ Gandaki Province<br>Solukhumbu/ Province 1 | Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic |

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Table 2 (continued)

| S.N  | Genera                                     | Species with Bibliography  | Location (District/Province) | Distribution                  |
|--|--|--|------------------------------|-------------------------------|
|  |  | <i>Draconarius latiforus</i> [47]  | Sankhuwasabha / Province 1   | Endemic                       |
|  |  | <i>Draconarius meganiger</i> [47]  | Myagdi/ Gandaki Province     | Endemic                       |
|  |  | <i>Draconarius microcoelotes</i> [47]  |                              | Endemic                       |
|  |  | <i>Draconarius panchtharensis</i> [47]   | Panchthar/ Province 1        | Endemic                       |
|  |  | <i>Draconarius paraepisomos</i> [47]   | Mustang/ Gandaki Province    | Endemic                       |
|  |  | <i>Draconarius phulchokiensis</i> [47]   | Lalitpur/ Bagmati Province   | Endemic                       |
|  |  | <i>Draconarius pseudogurkha</i> [47]   | Solukhumbu/ Province 1       | Endemic                       |
|  |  | <i>Draconarius pseudomeganiger</i> [47]  | Lalitpur/ Bagmati Province   | Endemic                       |
|  |  | <i>Draconarius sacculus</i> [47]   | Taplejung/ Province 1        | Endemic                       |
|  |  | <i>Draconarius schawalleri</i> [47]  | Gorkha/ Gandaki Province     | Endemic                       |
|  |  | <i>Draconarius semicirculus</i> [47]   | Dolakha/ Bagmati Province    | Endemic                       |
|  |  | <i>Draconarius seorsus</i> [47]  | Dolakha/ Bagmati Province    | Endemic                       |
|  |  | <i>Draconarius simplicifolis</i> [47]  | Myagdi/ Gandaki Province     | Endemic                       |
|  |  | <i>Draconarius spinosus</i> [47]   | Mustang/ Gandaki Province    | Endemic                       |
|  |  | <i>Draconarius subconfusus</i> [47]  | Panchthar/ Province 1        | Endemic                       |
|  |  | <i>Draconarius subepisomos</i> [47]  | Solukhumbu/ Province 1       | Endemic                       |
|  |  | <i>Draconarius subrotundus</i> [47]  | Sankhuwasabha / Province 1   | Endemic                       |
|  |  | <i>Draconarius taplejungensis</i> [47]   | Taplejung/ Province 1        | Endemic                       |
|  |  | <i>Draconarius testudinatus</i> [47]   | Taplejung/ Province 1        | Endemic                       |
|  |  | <i>Draconarius tinjuraensis</i> [47]   | Terhathum/ Province 1        | Endemic                       |
|  |  | <i>Draconarius tritos</i> [47]   | Taplejung/ Province 1        | Endemic                       |
|  |  | <i>Draconarius volutobursarius</i> [47]  | Dolpa/ Karnali Province      | Endemic                       |
|  |  | <i>Draconarius wuermlii</i> [47]   | Taplejung/ Province 1        | Nepal and Bhutan              |
|  |  | <i>Draconarius yadongensis</i> [47]  |                              | Nepal and China               |
| 3.   | <i>Himalcoelotes</i> Wang ,2002            | <i>Himalcoelotes aequoreus</i> [46]  | Mustang/ Gandaki Province    | Endemic                       |
|  |  | <i>Himalcoelotes bursarius</i> [46]  | Sindhupalchowk/ Bagmati P.   | Endemic                       |
|  |  | <i>Himalcoelotes diatropos</i> [46]  | Rasuwa/ Bagmati P.           | Endemic                       |
|  |  | <i>Himalcoelotes gyirongensis</i> [46]   | Parbat/ Gandaki P.           | Nepal and China               |
|  |  | <i>Himalcoelotes martensi</i> [46]   | Kaski/ Gandaki Province      | Endemic                       |
|  |  | <i>Himalcoelotes pirum</i> [46]  | Manang/ Gandaki P.           | Endemic                       |
|  |  | <i>Himalcoelotes sherpa</i> [46]   | Solukhumbu/ Province 1       | Endemic                       |
|  |  | <i>Himalcoelotes subsherpa</i> [46]  | Ramechhap/ Bagmati P.        | Endemic                       |
|  |  | <i>Himalcoelotes syntomos</i> [46]   | Lalitpur/ Bagmati P.         | Endemic                       |
| 4.   | <i>Tegenaria</i><br>Latreille, 1804        | <i>Tegenaria lunakensis</i> [77]   | Taplejung/ Province 1        | Endemic                       |
| <b>II. FAMILY AMAUROBIIDAE</b> Thorell, 1870 |  |  |                              |                               |
| 1.   | <i>Himalmartenus</i><br>Wang and Zhu, 2008 | <i>Himalmartenus ausobskyi</i> [59]  | Dolakha/ Bagmati P.          | Endemic                       |
|  |  | <i>Himalmartenus martensi</i> [59]   | Kathmandu/ Bagmati P.        | Endemic                       |
|  |  | <i>Himalmartenus nepalensis</i> [59]   | Rasuwa/ Bagmati P.           | Endemic                       |
| <b>III. FAMILY ANAPIDAE</b> Simon, 1895      |  |  |                              |                               |
| 1.   | <i>Metanapis</i><br>Brignoli, 1981         | <i>Metanapis montisemodi</i> [7]   | Myagdi/ Gandaki P.           | Endemic                       |
|  |  | <i>Metanapis tectimundi</i> [7]  | Rasuwa/ Bagmati P.           | Endemic                       |
| <b>IV. FAMILY ARANEIDAE</b> Clerck, 1757     |  |  |                              |                               |
| 1.   | <i>Gasteracantha</i><br>Sundevall, 1833    | <i>Gasteracantha kuhli</i> [78]  | Banke/ Lumbini P.            | Nepal, India, Japan           |
|  |  | <i>Gasteracantha sanguinolenta</i> [78] [[7878]]                                 |                              | Nepal, Africa, Yemen          |
| 2.   | <i>Hypsosinga</i><br>Ausserer, 1871        | <i>Hypsosinga pygmaea</i> [58]   | Nepal                        | Nepal, North America          |
|  |  | <i>Hypsosinga sanguinea</i> [58]   | Nepal                        | Nepal, Europe, North Africa   |
| 3.   | <i>Macracantha</i><br>Simon, 1864          | <i>Macracantha hasselti</i> [78]<br>*transferred from genus <i>Gasteracantha</i> | Banke/ Lumbini P.            | Nepal, Pakistan, India, China |
| 4.   | <i>Neoscona</i><br>Simon, 1864             | <i>Neoscona arabesca</i> [58]  | Nepal                        | Nepal, Israel, India          |
|  |  | <i>Neoscona nautical</i> [58]  | Nepal                        | Asia and pacific islands      |
|  |  | <i>Neoscona scylla</i> [58]  | Nepal                        | Nepal, Russia, China, Korea   |
|  |  | <i>Neoscona theisi</i> [58]  | Nepal                        | Nepal, Australia, India       |
| <b>V. FAMILY CTENIDAE</b> Keyserling, 1877   |  |  |                              |                               |
| 1.   | <i>Ctenus</i><br>Walckenaer, 1805          | <i>Ctenus martensi</i> [42]  | Parbat/ Gandaki Province     | Endemic                       |
| <b>VI. FAMILY DEINOPIDAE</b> C.L. Koch, 1850 |  |  |                              |                               |
| 1  | <i>Asianopis</i><br>Lin and Li, 2020       | <i>Asianopis goalparaensis</i> [58]<br>*Transferred from genus <i>Deinopis</i>   | Nepal                        | Nepal and India               |

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Table 2 (continued)

| S.N  | Genera  | Species with Bibliography  | Location (District/Province)  | Distribution  |
|--|---|--|---|---|
| <b>VII. FAMILY DICTYNIDAE</b> O. Pickard-Cambridge, 1871 |   |  |   |   |
| 1  | <i>Nigma</i><br>Lehtinen, 1967                          | <i>Nigma shiprai</i> [58]<br>*Transferred from genus <i>Dictyna</i>  | Nepal   | Nepal and India   |
| <b>VIII. FAMILY ERESIDAE</b> C.L. Koch, 1851             |   |  |   |   |
| 1.   | <i>Stegodyphus</i><br>Simon, 1873                       | <i>Stegodyphus sarasinorum</i> [2]   | Nepal   | India, Sri Lanka, Nepal<br>(Endemic to South Asia)                        |
| <b>IX. FAMILY GNAPHOSIDAE</b> Pocock, 1898               |   |  |   |   |
| 1.   | <i>Drassodes</i><br>Westring, 1851                      | <i>Drassodes lutescens</i> [79]<br>*synonym: <i>Phaeoedus mosambaensis</i><br><i>Drassodes phagduensis</i> [77]  | Solukhumbu/ Province 1<br>Taplejung/ Province 1   | Nepal, Ukraine, Caucasus<br>Endemic                                       |
| 2.   | <i>Gnaphosa</i><br>Latreille, 1804                      | <i>Gnaphosa mandschurica</i> [80]<br><i>Gnaphosa moerens</i> [80]  | Mustang/ Gandaki P<br>Dolpa/ Karnali Province   | Mongolia, China, Russia<br>China and Nepal                                |
| <b>X. FAMILY HAHNIIDAE</b> Bertkau, 1878                 |   |  |   |   |
| 1.   | <i>Hahnia</i><br>C.L. Koch, 1841                        | <i>Hahnia alini</i> [77]   | Taplejung/ Province 1   | Endemic   |
| 2.   | <i>Neoantistea</i><br>Gertsch, 1934                     | <i>Neoantistea janetscheki</i> [81]  | Solukhumbu/ Province 1  | Endemic   |
| <b>XI. FAMILY HERSILIIDAE</b> Thorell, 1870              |   |  |   |   |
| 1.   | <i>Hersilia</i><br>Audouin, 1826                        | <i>Hersilia martensi</i> [82]<br><i>Hersilia nepalensis</i> [82]<br><i>Hersilia savignyi</i> [82]  | Gorkha/ Gandaki Province<br>Dhading/ Bagmati P.   | Nepal and Thailand<br>Endemic<br>Nepal, India, Pakistan                   |
| <b>XII. FAMILY LINYPHIIDAE</b> Blackwall, 1859           |   |  |   |   |
| 1.   | <i>Agyneta</i><br>Hull, 1911                            | <i>Agyneta bueko</i> [11]<br><i>Agyneta himalaya</i> [56]<br><i>Agyneta jiriensis</i> [11]<br><i>Agyneta pakistanica</i> [52]<br><i>Agyneta pseudofuscipalpis</i> [11]<br><i>Agyneta yulungiensis</i> [11] | Dolpa/ Karnali Province<br>Panchthar, Province 1<br>Dolakha/ Province 1<br>Dailekh/ Karnali Province<br>Dolpa/ Karnali Province | Endemic<br>Endemic<br>Endemic<br>Nepal and Pakistan<br>Endemic<br>Endemic |
| 2.   | <i>Anguliphantes</i><br>Saaristo &<br>Tanasevitch, 1966 | <i>Anguliphantes nepalensis</i> [50]<br>*Transferred from genus <i>Lepthyphantes</i>   | Myagdi/ Gandaki P.  | Nepal, Pakistan, India  |
| 3.   | <i>Ascetophantes</i><br>Tanasevitch & Saaristo, 2006    | <i>Ascetophantes asceticus</i> [48]<br>*Transferred from genus <i>Lepthyphantes</i>  | Ilam/ Province 1  | Endemic   |
| 4.   | <i>Asthenargus</i><br>Simon and Fage, 1922              | <i>Asthenargus thaleri</i> [11]  | Baglung/ Gandaki Province   | Endemic   |
| 5.   | <i>Bathyphantes</i><br>Menge, 1866                      | <i>Bathyphantes paracymbialis</i> [52]   | Sankhuwasabha /Province 1   | Nepal, China, Laos,<br>Myanmar, Thailand                                  |
| 6.   | <i>Caviphantes</i><br>Oi, 1960                          | <i>Caviphantes pseudosaxetorum</i> [52]  |   | Nepal, China , Japan  |
| 7.   | <i>Claviphantes</i><br>Tanasevitch & Saaristo, 2006     | <i>Claviphantes bifurcatoides</i> [52]<br>*Transferred from genus <i>Lepthyphantes</i><br><i>Claviphantes bifurcatus</i> [48]<br>*Transferred from genus <i>Lepthyphantes</i>                              | Parbat/ Gandaki Province  | Endemic<br>Endemic  |
| 8.   | <i>Erigone</i><br>Audouin, 1826                         | <i>Erigone acuta</i> [49]<br><i>Erigone atra</i> [11]<br><i>Erigone nepalensis</i> [11]<br><i>Erigone prominens</i> [52]<br>*Synonym: <i>Erigone ourania</i>   | Sankhuwasabha /Province 1<br>Mustang/ Gandaki P.<br>Sindhupalchowk/ Bagmati<br>Dailekh/ Karnali Province                        | Endemic<br>Nepal, China, Russia<br>Endemic<br>Nepal to China, Australia   |
| 9.   | <i>Fistulaphantes</i><br>Tanasevitch & Saaristo, 2006   | <i>Fistulaphantes canalis</i> [52]   | Sankhuwasabha /Province 1   | Endemic   |
| 10.  | <i>Gnathorium</i><br>Karsch, 1881                       | <i>Gnathorium gibberum</i> [52]  | Taplejung/ Province 1   | Nepal, China, Korea,<br>Japan, Russia                                     |
| 11.  | <i>Gongyliidiellum</i><br>Simon, 1884                   | <i>Gongyliidiellum kathmanduense</i> [11]<br><i>Gongyliidiellum koshi</i> [49]<br><i>Gongyliidiellum nepalense</i> [50]  | Baglung/ Gandaki P.<br>Sankhuwasabha/Province1<br>Mustang/ Gandaki P.   | Endemic<br>Endemic<br>Nepal and India                                     |
| 12.  | <i>Halorates</i><br>Hull, 1911                          | <i>Halorates crassipalpis</i> [52]<br>*previously misidentified as <i>Collinsia japonica</i>   | Myagdi/ Gandaki Province  | Nepal and Pakistan  |
| 13.  | <i>Helsingenia</i><br>Saaristo and Tanasevitch, 2003    | <i>Helsingenia ceylonica</i> [83]  | Lalitpur/ Bagmati Province  | Nepal, Sri Lanka<br>(Endemic to South Asia)                               |
| 14.  | <i>Heterolinyphia</i><br>Wunderlich, 1973               | <i>Heterolinyphia tarakotensis</i> [12]  | Dolpa/ Karnali Province   | India and Nepal<br>(Endemic to South Asia)                                |
| 15.  | <i>Hilaira</i><br>Simon, 1884                           | <i>Hilaira dapaensis</i> [52]  | Taplejung/ Province 1   | Endemic   |
| 16.  | <i>Himalafurca</i><br>Tanasevitch, 2021                 | <i>Himalafurca martensi</i> [52]<br><i>Himalafurca schawalleri</i> [52]  | Sankhuwasabha / Province 1<br>Taplejung/ Province 1   | Endemic<br>Endemic  |

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Table 2 (continued)

| S.N   | Genera   | Species with Bibliography   | Location (District/Province)      | Distribution                       |
|---|--|---|-----------------------------------|------------------------------------|
| 17.   | <i>Himalaphantes</i><br>Tanasevitch, 1992              | <i>Himalaphantes grandiculus</i> [52]   | Panchthar/ Province 1             | Endemic                            |
|   |  | <i>Himalaphantes magnus</i> [48]  | Rasuwa/ Bagmati Province          | Endemic                            |
|   |  | <i>Himalaphantes martensi</i> [48]  | Mustang, Gandaki Province         | India and Nepal                    |
| 18.   | <i>Hubertella</i><br>Platnick, 1989                    | <i>Hubertella montana</i> [52]  | Sindhupalchowk/ Bagmati P.        | Endemic                            |
|   |  | <i>Hubertella orientalis</i> [58]   | Nepal                             | Endemic                            |
|   |  | <i>Hubertella thankurensis</i> [11]   | Baglung/ Gandaki Province         | Endemic                            |
| 19.   | <i>Indophantes</i><br>Saaristo and Tanasevitch, 2003   | <i>Indophantes agamus</i> [57]  | Panchthar/ Province 1             | Endemic                            |
|   |  | <i>Indophantes digitulus</i> [48]   | Mustang/ Gandaki Province         | Nepal, Pakistan and India          |
| 20.   | <i>Linyphia</i><br>Latreille, 1804                     | <i>Linyphia nepalensis</i> [11]   | Baglung/ Gandaki Province         | Endemic                            |
| 21.   | <i>Martensinus</i><br>Wunderlich, 1973                 | <i>Martensinus annulatus</i> [12]   | Baglung/ Gandaki Province         | Endemic                            |
|   |  | <i>Martensinus micronetiformis</i> [11]   | Mustang/ Gandaki Province         | Endemic                            |
| 22.   | <i>Megalephyphantes</i><br>Wunderlich, 1994            | <i>Megalephyphantes nebulosoides</i> [48]<br>*transferred from genus <i>Lephyphantes</i>  | Mustang/ Gandaki Province         | Central Asia, Iran                 |
| 23.   | <i>Mughiphantes</i><br>Saaristo & Tanasevitch, 1999    | <i>Mughiphantes alticola</i> [48]<br>*transferred from genus <i>Lephyphantes</i>  | Mustang/ Gandaki Province         | Endemic                            |
|   |  | <i>Mughiphantes anachoretus</i> [48]<br>*transferred from genus <i>Lephyphantes</i>   |                                   | Endemic                            |
|   |  | <i>Mughiphantes ancoriformis</i> [52]<br>*transferred from genus <i>Lephyphantes</i>  | Taplejung/ Province 1             | Endemic                            |
|   |  | <i>Mughiphantes bicornis</i> [57]   |                                   | Endemic                            |
|   |  | <i>Mughiphantes cuspidatus</i> [57]   |                                   | Endemic                            |
|   |  | <i>Mughiphantes falxus</i> [57]   |                                   | Endemic                            |
|   |  | <i>Mughiphantes faustus</i> [48]<br>*transferred from genus <i>Lephyphantes</i>   | Ramechhap/ Bagmati Province       | Endemic                            |
|   |  | <i>Mughiphantes inermis</i> [57]  | Sankhuwasabha / Province 1        | Endemic                            |
|   |  | <i>Mughiphantes longiproper</i> [57]  | Taplejung/ Province 1             | Endemic                            |
|   |  | <i>Mughiphantes numilionis</i> [48]<br>*transferred from genus <i>Lephyphantes</i>  | Mustang/ Gandaki Province         | Endemic                            |
|   |  | <i>Mughiphantes occultus</i> [48]<br>*transferred from genus <i>Lephyphantes</i>  | Solukhumbu/ Province 1            | Endemic                            |
|   |  | <i>Mughiphantes restrictus</i> [57]   | Sankhuwasabha / Province 1        | Endemic                            |
|   |  | <i>Mughiphantes rotundatus</i> [48]<br>*transferred from genus <i>Lephyphantes</i>  | Myagdi/ Gandaki P.                | Endemic                            |
|   |  | <i>Mughiphantes setifer</i> [48]<br>*transferred from genus <i>Lephyphantes</i>   | Dolpa/ Karnali Province           | Endemic                            |
|   |  | <i>Mughiphantes setosus</i> [57]  | Taplejung/ Province 1             | Endemic                            |
|   |  | <i>Mughiphantes sherpa</i> [48]   | Dolpa/ Karnali Province           | Endemic                            |
| <i>Mughiphantes yeti</i> [48]<br>* transferred from genus <i>Lephyphantes</i> | Solukhumbu/ Province 1                                 | Endemic   |                                   |                                    |
| 24.   | <i>Nasoona</i><br>Lockett, 1982                        | <i>Nasoona asocialis</i> [52]<br>* transferred from genus <i>Oedothorax</i><br>*Previously published as <i>Gorbothorax ungibbus</i> | Kathmandu/ Bagmati Province       | Nepal, China, India                |
|   |  | <i>Nasoona comata</i> [53]<br>* transferred from genus <i>Gorbothorax</i>   | Panchthar/ Province 1             | Endemic                            |
|   |  | <i>Nasoona conica</i> [53]<br>* transferred from genus <i>Gorbothorax</i>   | Taplejung/ Province 1             | Endemic                            |
|   |  | <i>Nasoona setifera</i> [53]<br>* transferred from genus <i>Gorbothorax</i>   | Terathum/ Province 1              | Endemic                            |
|   |  | <i>Nasoona wunderlichii</i> [13]<br>* transferred from genus <i>Gorbothorax</i>   | Dolakha/ Bagmati Province         | Endemic                            |
|   |  | <i>Nematogmus</i><br>Simon, 1886  | <i>Nematogmus dentimanus</i> [52] | Sankhuwasabha / Province 1         |
| 26.   | <i>Nerine</i><br>Blackwall, 1833                       | <i>Nerine oidedicata</i> [52]<br>* transferred from genus <i>Linyphia</i>   | Panchthar/ Province 1             | Nepal, China, Russia, Korea, Japan |
| 27.   | <i>Nesioneta</i><br>Millidge, 1991                     | <i>Nesioneta muriensis</i> [11]<br>*transferred from genus <i>Agynta</i>  | Myagdi/ Gandaki Province          | Endemic                            |
| 28.   | <i>Oedothorax</i><br>Bertkau, in Förster&Bertkau, 1883 | <i>Oedothorax angelus</i> [55]  | Panchthar/ Province 1             | Endemic                            |
|   |  | <i>Oedothorax annulatus</i> [13]  | Dolakha/ Bagmati Province         | Endemic                            |
|   |  | <i>Oedothorax assuetus</i> [55]   | Kathmandu/ Bagmati P.             | Endemic                            |
|   |  | <i>Oedothorax clypeellum</i> [55]   |                                   | Endemic                            |
|   |  | <i>Oedothorax coronatus</i> [55]  | Ilam/ Province 1                  | Endemic                            |
|   |  | <i>Oedothorax cruciferoides</i> [54]  |                                   | Endemic                            |
| <i>Oedothorax dismodicoides</i> [52]  | Myagdi/ Gandaki Province                               | Endemic   |                                   |                                    |

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Table 2 (continued)

| S.N   | Genera   | Species with Bibliography   | Location (District/Province)  | Distribution  |
|---|--|---|---|---|
|   |  | <i>Oedothorax elongatus</i> [52]  | Kavre/ Bagmati Province   | Endemic   |
|   |  | <i>Oedothorax falcifer</i> [55]   | Ilam/ Province 1  | Endemic   |
|   |  | <i>Oedothorax hirsutus</i> [13]   | Lalitpur/ Bagmati Province  | Endemic   |
|   |  | <i>Oedothorax kathmandu</i> [54]  | Kathmandu/ Province 1   | Endemic   |
|   |  | <i>Oedothorax lineatus</i> [13]   | Dolakha/ Bagmati Province   | Endemic   |
|   |  | <i>Oedothorax lucidus</i> [13]  |   | Endemic   |
|   |  | <i>Oedothorax malearmatus</i> [55]  | Panchthar/ Province 1   | Endemic   |
|   |  | <i>Oedothorax mangsima</i> [54]   | Sankhuwasabha / Province 1  | Endemic   |
|   |  | <i>Oedothorax modestus</i> [55]   | Panchthar/ Province 1   | Endemic   |
|   |  | <i>Oedothorax savigniformis</i> [55]  | Taplejung/ Province 1   | Endemic   |
|   |  | <i>Oedothorax sexoculatus</i> [13]  | Dolakha/ Bagmati Province   | Endemic   |
|   |  | <i>Oedothorax sexoculorum</i> [55]  | Terhathum/ Province 1   | Endemic   |
|   |  | <i>Oedothorax simplicithorax</i> [55]   | Ilam/ Province 1  | Endemic   |
|   |  | <i>Oedothorax tholus</i> [55]   | Kaski/ Gandaki Province   | Endemic   |
|   |  | <i>Oedothorax triceps</i> [54]  | Sindhupalchowk/ Bagmati P.  | Endemic   |
|   |  | <i>Oedothorax unicolor</i> [13]   | Lalitpur/ Bagmati Province  | Endemic   |
| 29.   | <i>Oia</i><br>Wunderlich, 1973   | <i>Oia Kathmandu</i> [52]   | Sindhupalchowk/ Bagmati P.  | Endemic   |
|   |  | <i>Oia sororia</i> [52]   | Myagdi/ Gandaki Province  | Nepal and India   |
| 30.   | <i>Palliduphantes</i><br>Saaristo & Tanasevitch, 2001                            | <i>Palliduphantes theosophicus</i> [48]<br>* transferred from genus <i>Lepthyphantes</i>  | Lalitpur/ Bagmati Province  | Endemic   |
| 31.   | <i>Parangolydiellum</i><br>Wunderlich, 1973                                      | <i>Parangolydiellum caliginosum</i> [52]  | Mustang/ Gandaki P.   | Nepal and India   |
| 32.   | <i>Parbatthorax</i><br>Tanasevitch, 2019   | <i>Parbatthorax unicornis</i> [51]  | Parbat/ Gandaki Province  | Endemic   |
| 33.   | <i>Piniphantes</i><br>Saaristo & Tanasevitch, 1996                               | <i>Piniphantes himalayensis</i> [48]  | Mustang/ Gandaki Province   | Nepal and Pakistan  |
| 34.   | <i>Porrhomma</i><br>Simon, 1884  | <i>Porrhomma marphaense</i> [11]<br>*nomen dubium   | Mustang/ Gandaki Province   | Endemic   |
| 35.   | <i>Saloca</i><br>Simon, 1926   | <i>Saloca gorapaniensis</i> [11]<br><i>Saloca khumbuensis</i> [11]  | Mustang/ Gandaki Province<br>Solukhumbu/ Bagmati P.   | Endemic<br>Endemic  |
| 36.   | <i>Scotargus</i><br>Simon, 1913  | <i>Scotargus pilosus</i> [11]   | Mustang/ Gandaki P.   | Nepal, Europe, Algeria,<br>Russia, Central Asia   |
| 37.   | <i>Spiralophantes</i><br>Tanasevitch & Saaristo, 2006                            | <i>Spiralophantes mirabilis</i> [57]  | Sankhuwasabha / Province 1  | Endemic   |
| 38.   | <i>Tapinocyba</i><br>Simon, 1884   | <i>Tapinocyba montivaga</i> [52]<br><i>Tapinocyba altimontanus</i> [57]   | Sankhuwasabha / Province 1  | Endemic<br>Endemic  |
| 39.   | <i>Tenuiphantes</i><br>Saaristo & Tanasevitch, 1996                              | <i>Tenuiphantes crassus</i> [57]<br><i>Tenuiphantes plumipes</i> [48]   | Taplejung / Province 1<br>Gorkha/ Gandaki Province  | Endemic<br>Endemic  |
| 40.   | <i>Tiso</i><br>Simon, 1884   | <i>Tiso aestivus</i> [52]<br><i>Tiso indianus</i> [52]  | Taplejung / Province 1  | Nepal, Canada, Japan<br>Nepal and India   |
| 41.   | <i>Walckenaeria</i> Blackwall, 1833  | <i>Walckenaeria martensi</i> [50]<br>*synonym: <i>Walckenaeria nepalensis</i>   | Solukhumbu, Province 1  | Nepal and India   |
| <b>XIII. FAMILY LYCOSIDAE Sundevall, 1833</b> |  |   |   |   |
| 1.  | <i>Acantholycosa</i><br>Dahl, 1908   | <i>Acantholycosa baltoroi</i> [29]  | Solukhumbu/ Province 1  | Nepal, India, China   |
| 2.  | <i>Arctosa</i><br>C.L. Koch, 1847  | <i>Arctosa janetscheki</i> [27]<br><i>Arctosa raptor</i> [84]   | Kavre/ Bagmati Province<br>Dolpa/ Karnali Province  | Endemic<br>Russia, Nepal, USA, Canada   |
| 3.  | <i>Hippasa</i><br>Simon, 1885  | <i>Hippasa greenalliae</i> [58]   | Nepal   | Nepal, India, Sri Lanka   |
| 4.  | <i>Hylyphantes</i><br>Simon, 1884<br>*senior synonym of genus <i>Erigonidium</i> | <i>Hylyphantes graminicola</i> [58]   | Nepal   | Nepal, Europe, Russia, China  |
| 5.  | <i>Lycosa</i><br>Gravely, 1924   | <i>Lycosa kemp</i> [27]   | Dolakha/ Bagmati Province   | Nepal, Pakistan, India, China   |
| 6.  | <i>Pardosa</i><br>C.L. Koch, 1847  | <i>Pardosa bifasciata</i> [27]<br>*previously published as <i>Pardosa thaleri</i><br><i>Pardosa birmanica</i> [27]<br><i>Pardosa fletcheri</i> [29]<br><i>Pardosa martensi</i> [29]<br><i>Pardosa mongolica</i> [28]<br><i>Pardosa orealis</i> [28] | Solukhumbu/ Province 1<br>Solukhumbu/ Province 1<br>Myagdi/ Gandaki P.<br>Dolpa/ Karnali Province | Nepal, Europe, Turkey,<br>Russia, China<br>Nepal, Myanmar<br>Nepal, Pakistan, India<br>Endemic<br>Nepal, Russia, Mongolia, China<br>Endemic |

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Table 2 (continued)

| S.N   | Genera   | Species with Bibliography  | Location (District/Province)   | Distribution  |
|---|--|--|--|---|
|   |  | <i>Pardosa pseudoannulata</i> [58]<br>*Synonym: <i>Lycosa pseudoannulata</i>   | Nepal  | Nepal, Pakistan, China, India, Bhutan, Japan, Indonesia   |
|   |  | <i>Pardosa pusiola</i> [2]   | Nepal  | Nepal, Bhutan, India  |
|   |  | <i>Pardosa sumatrana</i> [27]  | Solukhumbu/ Province 1   | Nepal, Bhutan, India  |
|   |  | <i>Pardosa sutherlandi</i> [29]  | Parbat/ Gandaki P.   | Nepal, Bhutan, India  |
|   |  | <i>Pardosa tridentis</i> [27]  | Solukhumbu/ Province 1   | Nepal, India, Kashmir   |
| 7.  | <i>Trochosa</i><br>C.L. Koch, 1847                 | <i>Trochosa gravelyi</i> [27]  | Kavre/ Bagmati Province  | Endemic   |
| <b>XIV. FAMILY MYSMENIDAE</b> Petrunkevitch, 1928 |  |  |  |   |
| 1.  | <i>Iardinis</i><br>Simon, 1899                     | <i>Iardinis martensi</i> [7]   | Dolakha/ Bagmati P.  | Endemic   |
| <b>XV. FAMILY NESTICIDAE</b> Simon, 1894          |  |  |  |   |
| 1.  | <i>Nesticella</i><br>Lehtinen &Saaristo, 1980      | <i>Nesticella nepalensis</i> [85]  | Dolakha/ Bagmati P.  | Nepal, China, India   |
| <b>XVI. FAMILY OONOPIDAE</b> Simon, 1890          |  |  |  |   |
| 1.  | <i>Brignolia</i><br>Dumitrescu and Georgescu, 1983 | <i>Brignolia ankhu</i> [60]<br><i>Brignolia assam</i> [60]<br><i>Brignolia sukna</i> [60]  | Dhading/ Bagmati P.<br>Nuwakot/ Bagmati P.<br>Ilam/ Province 1   | Endemic<br>Nepal and India<br>Nepal and India   |
| 2.  | <i>Camptoscaphiella</i><br>Caporiacco, 1934        | <i>Camptoscaphiella gunsa</i> [86]<br><i>Camptoscaphiella martensi</i> [86]<br><i>Camptoscaphiella nepalensis</i> [86]<br><i>Camptoscaphiella panchthar</i> [86]<br><i>Camptoscaphiella silens</i> [86]<br><i>Camptoscaphiella strepens</i> [86]<br><i>Camptoscaphiella taplejung</i> [86] | Taplejung/ Province 1<br>Mustang/ Gandaki P.<br>Parbat/ Gandaki P.<br>Panchthar/ Province 1<br>Solukhumbu/ Province 1<br>Gorkha/ Gandaki P.<br>Taplejung/ Province 1   | Nepal and India<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic               |
| 3.  | <i>Himalayana</i><br>Grismado, 2014                | <i>Himalayana castanopsis</i> [61]<br><i>Himalayana kathmandu</i> [61]<br><i>Himalayana martensi</i> [61]<br><i>Himalayana parbat</i> [61]   | Ilam/ Province 1<br>Kathmandu/ Bagmati P.<br>Manang/ Gandaki P.<br>Parbat/ Gandaki P.  | Endemic<br>Endemic<br>Endemic<br>Endemic  |
| 4.  | <i>Prethopalpus</i><br>Baehr et al., 2012          | <i>Prethopalpus ilam</i> [87]  | Ilam/ Province 1   | Endemic   |
| 5.  | <i>Trilacuna</i><br>Tong & Li, 2007                | <i>Trilacuna bangla</i> [61]   | Sindhupalchowk/ Bagmati Province   | Nepal and India   |
| <b>XVII. FAMILY OXYOPIIDAE</b> Thorell, 1869      |  |  |  |   |
| 1   | <i>Oxyopes</i><br>Latreille, 1804                  | <i>Oxyopes javanus</i> [58]<br><i>Oxyopes lineatus</i> [58]<br><i>Oxyopes sertatus</i> [58]  | Nepal<br>Nepal<br>Nepal  | Nepal, China, India<br>Nepal, Europe, Turkey ,Russia<br>Nepal, China, Korea, Japan              |
| <b>XVIII. FAMILY PHOLCIDAE</b> C.L. Koch, 1850    |  |  |  |   |
| 1.  | <i>Pholcus</i><br>Walckenaer, 1805                 | <i>Pholcus calligaster</i> [88]<br><i>Pholcus zham</i> [88]  | Parsa/ Madhesh Province<br>Sankhuwasabha/Province1   | Nepal and Myanmar<br>Nepal and China  |
| <b>XIX. FAMILY PIMOIDAE</b> Wunderlich, 1986      |  |  |  |   |
| 1.  | <i>Pimoida</i><br>Chamberlin & Ivie, 1943          | <i>Pimoida daman</i> [67]<br><i>Pimoida khaptad</i> [67]<br><i>Pimoida koshi</i> [67]<br><i>Pimoida mechi</i> [67]<br><i>Pimoida mude</i> [67]<br><i>Pimoida nematoides</i> [88]<br><i>Pimoida phaptu</i> [67]<br><i>Pimoida rara</i> [67]<br><i>Pimoida sinuosa</i> [88]                  | Makwanpur/ Bagmati P.<br>Bajhang/ Sudurpashim P.<br>Sankhuwasabha/Province1<br>Taplejung/ Province 1<br>Sindhupalchowk/Bagmati<br>Dolakha/ Bagmati P.<br>Solukhumbu/ Province 1<br>Mugu/ Karnali Province<br>Kaski/ Gandaki Province | Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic |
| <b>XX. FAMILY PISAURIDAE</b> Simon, 1890          |  |  |  |   |
| 1.  | <i>Perenethis</i><br>L. Koch, 1878                 | <i>Perenethis sindica</i> [89]   | Taplejung/ Province 1  | India, Sri Lanka, Nepal, China  |
| <b>XXI. FAMILY PSECHRIDAE</b> Simon, 1890         |  |  |  |   |
| 1.  | <i>Psechrus</i><br>Thorell, 1878                   | <i>Psechrus himalayanus</i> [90]<br><i>Psechrus marsyandi</i> [45]   | Rolpa/ Lumbini Province<br>Lamjung/ Gandaki P.   | India, Nepal<br>Endemic   |
| 2.  | <i>Fecenia</i><br>Simon, 1887                      | <i>Fecenia protensa</i> [58]<br>*Synonym: <i>Fecenia nicobarensis</i>  | Nepal  | Nepal, Thailand, Vietnam, Brunei, Malaysia, India   |

\*Fecenia nicobarensis was transferred from genus Psechrus (Thorell, 1878)

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Table 2 (continued)

| S.N   | Genera                                       | Species with Bibliography  | Location (District/Province)  | Distribution  |
|---|--|--|---|---|
| <b>XXII. FAMILY PSILOCERCIDAE</b> Machado, 1951   |  |  |   |   |
| 1.  | <i>Leclercera</i><br>Deeleman-Reinhold, 1995 | <i>Leclercera ekteenensis</i> [64]<br><i>Leclercera machadoi</i> [9]<br><i>Leclercera mulcata</i> [9]<br>*transferred from genus <i>Psilodermes</i><br><i>Leclercera nagarjunensis</i> [63]<br><i>Leclercera niuqu</i> [63]<br><i>Leclercera sidai</i> [63]<br><i>Leclercera zhai</i> [63] | Panchthar/ Province 1<br>Baglung/ Gandaki P.<br>Kathmandu/ Bagmati P.<br><br>Panchthar/ Province 1<br>Ilam/ Province 1                        | Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic<br>Endemic   |
| *Psilocercidae, a sub family of Ochyroceratidae was raised to family by Wunderlich (2008) |  |  |   |   |
| <b>XXIII. FAMILY SALTICIDAE</b> Blackwall, 1841   |  |  |   |   |
| 1.  | <i>Asemonea</i><br>O Pickard-Cambridge, 1869 | <i>Asamonea tenuipes</i> [66]  | Chitwan/ Bagmati Province.  | Nepal, Sri Lanka, India, Myanmar, Vietnam, Singapore  |
| 2.  | <i>Bianor</i><br>Peckham and Peckham, 1886   | <i>Bianor albobimaculatus</i> [91]<br><i>Bianor tortus</i> [37]  | Manang/ Gandaki P.<br>Ilam/ Province 1  | Nepal, Iran, Pakistan India<br>Nepal and India  |
| 3.  | <i>Brettus</i><br>Thorell, 1895              | <i>Brettus anchorum</i> [36]   | Gorkha/ Gandaki Province  | Nepal and India   |
| 4.  | <i>Carrhotus</i><br>Thorell, 1891            | <i>Carrhotus assam</i> [91]<br><i>Carrhotus catagraphus</i> [34]<br><i>Carrhotus erus</i> [91]<br><i>Carrhotus operosus</i> [34]<br><i>Carrhotus s-bulbosus</i> [32]<br><i>Carrhotus sannio</i> [91]<br><i>Carrhotus viduus</i> [34]   | Kaski/ Gandaki Province<br>Gorkha/ Gandaki Province<br>Kaski/ Gandaki P.<br>Mustang/ Gandaki P.<br>Sankhuwasabha/Province1<br>Myagdi/ Gandaki | Nepal and India<br>Endemic<br>Nepal and India<br>Endemic<br>Endemic<br>Nepal, China, India<br>Nepal, China, India, Iran |
| 5.  | <i>Chalcoscirtus</i><br>Bertkau, 1880        | <i>Chalcoscirtus jiricus</i> [22]<br>*transferred from genus <i>Euophrys</i><br><i>Chalcoscirtus martensi</i> [22]   | Dolakha/ Bagmati Province<br>Mustang/ Gandaki P.  | Endemic<br>Nepal, India and China   |
| 6.  | <i>Chinattus</i><br>Logunov, 1999            | <i>Chinattus chichila</i> [92]<br><i>Chinattus validus</i> [93]  | Sankhuwasabha/Province1<br>Myagdi/ Gandaki P.   | Endemic<br>Nepal, Bhutan, China   |
| 7.  | <i>Chryzilla</i><br>Thorell, 1887            | <i>Chryzilla volupe</i> [66]   | Chitwan/ Bagmati Province   | Nepal, Bhutan, India, Sri Lanka   |
| 8.  | <i>Epeus</i><br>Peckham and Peckham, 1886    | <i>Epeus exdomus</i> [94]<br><i>Epeus indicus</i> [35]   | Kathmandu/ Bagmati P.<br>Nuwakot/ Bagmati P.  | Endemic<br>Nepal and India  |
| 9.  | <i>Epocilla</i><br>Thorell, 1887             | <i>Epocilla aurantiaca</i> [66]  | Chitwan/ Bagmati Province.  | Nepal, Sri Lanka, Malaysia, Vietnam, India  |
| 10.   | <i>Euophrys</i><br>C. L. Koch, 1834          | <i>Euophrys dhaulagirica</i> [22]<br><i>Euophrys nepalica</i> [22]<br><i>Euophrys omnisuperstes</i> [5]<br><i>Euophrys yulungensis</i> [22]  | Mustang/ Gandaki P.<br>Myagdi/ Gandaki P.<br>Sankhuwasabha/Province1<br>Dolpa/ Karnali Province   | Endemic<br>Nepal and China<br>Nepal and India<br>China and Nepal  |
| 11.   | <i>Habrocestoides</i><br>Prószyński, 1992    | <i>Habrocestoides phulchokiensis</i> [95]  | Lalitpur/ Bagmati Province  | Endemic   |
| 12.   | <i>Harmochirus</i><br>Simon, 1885            | <i>Harmochirus zabkai</i> [96]   | Kathmandu/ Bagmati P.   | India, Nepal, Vietnam   |
| 13.   | <i>Hyllus</i><br>C.L. Koch, 1846             | <i>Hyllus semicupreus</i> [66]   | Chitwan/ Bagmati Province.  | Nepal, Sri Lanka, India   |
| 14.   | <i>Icius</i><br>Simon, 1876                  | <i>Icius alboterminus</i> [66]   |   | Nepal and India   |
| 15.   | <i>Nepalicius</i><br>Blackwall, 1841         | <i>Nepalicius nepalicus</i> [97]<br>*Transferred from genus <i>Pseudicius</i>  | Kathmandu/ Bagmati Province   | Nepal and India   |
| 16.   | <i>Orientattus</i><br>Caleb, 2020            | <i>Orientattus minutes</i> [23]<br>*O.minutes was transferred from genus <i>Pancorius</i>  | Gorkha/ Gandaki Province  | Nepal   |
| 17.   | <i>Pancorius</i><br>Simon, 1902              | <i>Pancorius armatus</i> [39]<br><i>Pancorius cadus</i> [39]<br><i>Pancorius kaskiae</i> [23]<br><i>Pancorius magnus</i> [39]<br><i>Pancorius urnus</i> [39]   | Parbat/ Gandaki Province<br>Taplejung/ Province 1<br>Kaski/ Gandaki Province<br>Ilam/ Province 1<br>Ilam/ Province 1                          | Endemic<br>Endemic<br>Endemic<br>Nepal, China, India<br>Endemic   |
| 18.   | <i>Phaeacius</i><br>Simon, 1900              | <i>Phaeacius fimbriatus</i> [36]<br><i>Phaeacius saxicola</i> [98]<br><i>Phaeacius wanlessi</i> [36]   | Sankhuwasabha/Province1<br>Taplejung/ Province 1<br>Sankhuwasabha/Province1   | Nepal, Indonesia, Java<br>Endemic<br>Nepal, Sri Lanka   |
| 19.   | <i>Phintella</i><br>Strand, 1906             | <i>Phintella suavis</i> [2]<br><i>Phintella vittata</i> [66]   | Nepal<br>Chitwan/ Bagmati P.  | Nepal to Malaysia<br>Nepal, China, India  |
| 20.   | <i>Plexippoides</i> Prószyński, 1984         | <i>Plexippoides tristis</i> [99]   | Mustang/ Gandaki P.   | Endemic   |

(continued on next page)

Table 2 (continued)

| S.N  | Genera                                   | Species with Bibliography   | Location (District/Province) | Distribution                          |
|--|--|---|------------------------------|---------------------------------------|
| 21.  | <i>Plexippus</i><br>C.L. Koch, 1846      | <i>Plexippus paykulli</i> [23]  | Myagdi/ Gandaki P.           | Asia, Africa, America, Europe         |
|  |  | <i>Plexippus petersi</i> [23]   | Kaski/ Gandaki Province      | Asia, Africa and Pacific islands      |
|  |  | <i>Plexippus pokharae</i> [23]  |                              | Endemic                               |
| 22.  | <i>Portia</i><br>Karsch, 1878            | <i>Portia fimbriata</i> [36]  | Kathmandu/ Bagmati P.        | Nepal, Sri Lanka, Taiwan to Australia |
| 23.  | <i>Ptocasius</i><br>Simon, 1885          | <i>Ptocasius nepalicus</i> [20]<br>Synonym: <i>Yaginumaella nepalica</i>  | Mustang/ Gandaki Province    | Nepal and China                       |
|  |  | <i>Ptocasius tenzengi</i> [20]<br>Synonym: <i>Yaginumaella tenzengi</i>   | Solukhumbu/ Province 1       | Endemic                               |
|  |  | <i>Ptocasius thakkholaicus</i> [20]<br>Synonym: <i>Yaginumaella thakkholaica</i>  | Mustang/ Gandaki Province    | Nepal and China                       |
| 24.  | <i>Rhene</i><br>Thorell, 1869            | <i>Rhene flavicomans</i> [33]   | Sankhuwasabha/Province1      | Nepal, Bhutan, India, Thailand        |
|  |  | <i>Rhene phunthsholingensis</i> [33]  |                              | Nepal, Bhutan                         |
| 25.  | <i>Siler</i><br>Simon, 1889              | <i>Siler cupreus</i> [66]   | Chitwan/ Bagmati P.          | Nepal, China, Taiwan, Korea, Japan    |
| 26.  | <i>Sitticus</i><br>Simon 1901            | <i>Sitticus niveosignatus</i> [21]  | Dolpa/ Karnali Province      | Nepal to China                        |
| 27.  | <i>Stenaelurillus</i><br>Simon,1886      | <i>Stenaelurillus triguttatus</i> [100]   | Narayangadh/ Bagmati P.      | Nepal and China                       |
| 28.  | <i>Synagelides</i><br>Strand, 1906       | <i>Synagelides bagmaticus</i> [101]   | Bhaktapur/ Bagmati P.        | Endemic                               |
|  |  | <i>Synagelides gosainkundicus</i> [101]   | Rasuwa/ Bagmati P.           | Endemic                               |
|  |  | <i>Synagelides kosi</i> [101]   | Ramechhap/ Bagmati P.        | Endemic                               |
|  |  | <i>Synagelides martensi</i> [101]<br>Synonyms: <i>Synagelides dhaulagiricus</i> , <i>Synagelides himalaicus</i> , <i>Synagelides jiricus</i> , <i>Synagelides thodungus</i> & <i>Synagelides wyszynskii</i> | Dolpa/ Karnali Province      | Endemic                               |
|  |  | <i>Synagelides nepalensis</i> [24]  |                              | Endemic                               |
|  |  | <i>Synagelides nishikawai</i> [25]  | Myagdi/ Gandaki P.           | Endemic                               |
|  |  | <i>Synagelides oleksiaki</i> [24]<br>Synonym: <i>Synagelides gorapanicus</i>  | Ramechhap/ Bagmati P.        | Endemic                               |
|  |  | <i>Synagelides tukchensis</i> [24]  | Mustang/ Gandaki P.          | Endemic                               |
|  |  | <i>Synagelides ullerensis</i> [24]  | Parbat/ Gandaki P.           | Endemic                               |
|  |  | <i>Synagelides walesai</i> [24]   | Lalitpur/ Bagmati P.         | Endemic                               |
| 29.  | <i>Telamonia</i><br>Thorell,1887         | <i>Telamonia dimidiata</i> [66]   | Chitwan/ Bagmati P.          | Nepal, Bhutan, Malaysia               |
|  |  | <i>Telamonia festiva</i> [66]   | Chitwan/ Bagmati P.          | Nepal, China, India                   |
| 30.  | <i>Thyene</i><br>Simon,1885              | <i>Thyene bivittata</i> [38]  | Kathmandu/ Bagmati P.        | Nepal, China, Pakistan                |
|  |  | <i>Thyene typica</i> [38]   | Sankhuwasabha /Province 1    | Endemic                               |
|  |  | <i>Thyene yuxiensis</i> [38]  | Tanahu/ Gandaki P.           | Nepal and China                       |
| <b>XXIV. FAMILY SCYTODIDAE</b> Blackwall, 1864 |  |   |                              |                                       |
| 1.   | <i>Scytodes</i><br>Latreille, 1804       | <i>Scytodes mawphlongensis</i> [10]   | Lalitpur/ Bagmati Province   | Nepal and India                       |
| <b>XXV. FAMILY SELENOPIIDAE</b> Simon, 1897    |  |   |                              |                                       |
| 1.   | <i>Makdiops</i><br>Crews and Harvey,2011 | <i>Makdiops montigena</i> [102]   | Chitwan/ Bagmati Province    | Nepal and India                       |
| <b>XXVI. FAMILY SPARASSIDAE</b> Bertkau, 1872  |  |   |                              |                                       |
| 1.   | <i>Bhutaniella</i><br>Jäger, 2000        | <i>Bhutaniella hillyardi</i> [41]   | Sankhuwasabha/Province1      | Endemic                               |
|  |  | <i>Bhutaniella rollardae</i> [43]   | Pyuthan/ Lumbini P.          | Endemic                               |
| 2.   | <i>Olios</i><br>Walckenaer,1837          | <i>Olios rossetti</i> [44]  | Kavre/ Bagmati Province      | Nepal, India, Pakistan                |
| 3.   | <i>Pseudopoda</i><br>Jäger, 2000         | <i>Pseudopoda albolineata</i> [82]  | Myagdi/ Gandaki P.           | Endemic                               |
|  |  | <i>Pseudopoda alta</i> [43]   | Kaski/ Gandaki Province      | Endemic                               |
|  |  | <i>Pseudopoda ausobskyi</i> [43]  | Ilam/ Province 1             | Endemic                               |
|  |  | <i>Pseudopoda brauni</i> [43]   | Taplejung/ Province 1        | Endemic                               |
|  |  | <i>Pseudopoda chauki</i> [43]   | Terathum/ Province 1         | Endemic                               |
|  |  | <i>Pseudopoda chulingensis</i> [43]   | Gorkha/ Gandaki Province     | Endemic                               |
|  |  | <i>Pseudopoda cuneata</i> [43]  | Myagdi/ Gandaki P.           | Endemic                               |
|  |  | <i>Pseudopoda dama</i> [43]   | Jhapa/ Province 1            | Endemic                               |
|  |  | <i>Pseudopoda damana</i> [43]   | Makwanpur/ Bagmati P.        | Endemic                               |
|  |  | <i>Pseudopoda dhulensis</i> [43]  | Baglung/ Gandaki P.          | Endemic                               |
|  |  | <i>Pseudopoda diversipunctata</i> [43]  | Kaski/ Gandaki Province      | Endemic                               |
|  |  | <i>Pseudopoda everesta</i> [43]   | Solukhumbu/ Province 1       | Endemic                               |
| <i>Pseudopoda grasshoffi</i> [43]              | Sankhuwasabha /Province 1                | Endemic   |                              |                                       |

(continued on next page)

Table 2 (continued)

| S.N  | Genera  | Species with Bibliography   | Location (District/Province) | Distribution                                     |
|--|---|---|------------------------------|--|
|  |   | <i>Pseudopoda heteropodoides</i> [43]   | Taplejung/ Province 1        | Endemic  |
|  |   | <i>Pseudopoda huberti</i> [43]  | Pyuthan/ Lumbini P.          | Endemic  |
|  |   | <i>Pseudopoda hyatti</i> [43]   | Myagdi/ Gandaki P.           | Endemic  |
|  |   | <i>Pseudopoda jirensis</i> [43]   | Dolakha/ Bagmati P.          | Endemic  |
|  |   | <i>Pseudopoda kalinchoka</i> [43]   | Dolakha/ Bagmati P.          | Endemic  |
|  |   | <i>Pseudopoda khimtensis</i> [43]   | Ramechhap/ Bagmati P.        | Endemic  |
|  |   | <i>Pseudopoda latembola</i> [43]  | Manang/ Gandaki P.           | Endemic  |
|  |   | <i>Pseudopoda marmoreal</i> [43]  | Kaski/ Gandaki Province      | Endemic  |
|  |   | <i>Pseudopoda martensi</i> [43]   | Mustang/ Gandaki P.          | Endemic  |
|  |   | <i>Pseudopoda martiniae</i> [43]  | Rasuwa/ Bagmati P.           | Endemic  |
|  |   | <i>Pseudopoda monticola</i> [43]  | Lalitpur/ Bagmati P.         | Endemic  |
|  |   | <i>Pseudopoda schawalleri</i> [43]  | Panchthar/ Province 1        | Endemic  |
|  |   | <i>Pseudopoda sinopodoides</i> [43]   | Kathmandu/ Bagmati P.        | Endemic  |
|  |   | <i>Pseudopoda tinjura</i> [43]  | Tehrathum/ Province 1        | Endemic  |
|  |   | <i>Pseudopoda triapicata</i> [43]   | Ilam/ Province 1             | Endemic  |
|  |   | <i>Pseudopoda trisuliensis</i> [43]   | Rasuwa/ Bagmati P.           | Endemic  |
|  |   | <i>Pseudopoda varia</i> [43]  | Taplejung/ Province 1        | Endemic  |
| <b>XXVII. FAMILY SYMPHYTOGNATHIDAE</b> Hickman, 1931     |   |   |                              |  |
| 1  | <i>Iardinis</i><br>Simon, 1899                  | <i>Iardinis martensi</i> [7]  | Dolakha/ Bagmati Province    | Endemic  |
| <b>XXVIII. FAMILY TETRALEMNIDAE</b> O.P.-Cambridge, 1873 |   |   |                              |  |
| 1.   | <i>Brignoliella</i><br>Shear, 1978              | <i>Brignoliella martensi</i> [8]  | Lalitpur/ Bagmati Province   | Endemic  |
| 2.   | <i>Tetralemma</i><br>O.P.-Cambridge, 1873       | <i>Tetralemma phulchoki</i> [14]  |                              | Endemic  |
| <b>XXIX. FAMILY TETRAGNATHIDAE</b> Menge, 1866           |   |   |                              |  |
| 1.   | <i>Leucauge</i><br>White, 1841                  | <i>Leucauge decorata</i> [58]   | Nepal                        | Nepal, Japan, Thailand, Bangladesh, China, India |
| 2.   | <i>Tetragnatha</i><br>Latreille, 1804           | <i>Tetragnatha bogotensis</i> [103]<br>Synonym: <i>Tetragnatha boydi</i>              | Nepal                        | Nepal, Spain, Mexico to Paraguay                 |
| <b>XXX. FAMILY THERAPHOSIDAE</b> Thorell, 1870           |   |   |                              |  |
| 1.   | <i>Haplocosmia</i><br>Schmidt & von Wirth, 1996 | <i>Haplocosmia nepalensis</i> [104]   | Kaski/ Gandaki Province      | Endemic  |
| <b>XXXI. FAMILY THERIDIIDAE</b> Sundevall, 1833          |   |   |                              |  |
| 1.   | <i>Carniella</i><br>Thaler & Steinberger        | <i>Carniella nepalensis</i> [105]   | Taplejung/ Province 1        | Endemic  |
| 2.   | <i>Lactrodectus</i><br>Walckenaer, 1805         | <i>Lactrodectus elegans</i> [65]  | Gorkha/ Gandaki Province     | Nepal, China, Japan, India, Myanmar              |
| <b>XXXII. FAMILY THOMISIDAE</b> Sundevall, 1833          |   |   |                              |  |
| 1.   | <i>Bassaniodes</i><br>Pocock, 1903              | <i>Bassaniodes dolpoensis</i> [15]<br>*transferred from genus <i>Xysticus</i>         | Dolpa/ Karnali province      | Nepal and China                                  |
| 2.   | <i>Lysiteles</i><br>Simon, 1895                 | <i>Lysiteles annapurnus</i> [18]  | Kaski/ Gandaki Province      | Endemic  |
|  |   | <i>Lysiteles himalayensis</i> [18]  | Myagdi/ Gandaki Province     | Bhutan, Nepal                                    |
|  |   | <i>Lysiteles lepusculus</i> [18]  | Mustang/ Gandaki P.          | Endemic  |
|  |   | <i>Lysiteles maius</i> [18]   | Baitadi/ Gandaki P.          | Russia, Nepal to Japan                           |
|  |   | <i>Lysiteles montivagus</i> [18]  | Mustang/ Gandaki P.          | Endemic  |
|  |   | <i>Lysiteles niger</i> [18]   | Makwanpur/ Bagmati P.        | Bhutan, Nepal                                    |
|  |   | <i>Lysiteles parvulus</i> [18]  | Myagdi/ Gandaki Province     | Endemic  |
|  |   | <i>Lysiteles saltus</i> [18]  |                              | Bhutan, Nepal, China                             |
| 3.   | <i>Monaeses</i><br>Thorell, 1869                | <i>Monaeses aciculus</i> [16]   | Taplejung/ Province 1        | Nepal to Japan, Philippines                      |
| 4.   | <i>Psammitis</i><br>Menge, 1876                 | <i>Psammitis nepalhimalaicus</i> [15]<br>*transferred from genus <i>Xysticus</i>      | Dolakha/ Bagmati Province    | Endemic  |
|  |   | <i>Psammitis potamon</i> [15]<br>*transferred from genus <i>Xysticus</i>              | Myagdi/ Gandaki Province     | Endemic  |
|  |   | <i>Psammitis simplicipalpatus</i> [15]<br>*transferred from genus <i>Xysticus</i>     | Dolpa/ Karnali Province      | Nepal and Bhutan                                 |
| 5.   | <i>Runcinia</i><br>Simon, 1875                  | <i>Runcinia roonwali</i> [58]   | Nepal                        | Nepal and India                                  |
|  |   | <i>Runcinia insecta</i> [58]<br>*previously published as <i>Thomisus cherapunjeus</i> | Nepal                        | Asia, Africa, Australia                          |
| 6.   | <i>Stiphropus</i><br>Gerstäcker, 1873           | <i>Stiphropus soureni</i> [17]  | Kavre/ Bagmati P.            | India, Nepal, Bhutan                             |

(continued on next page)

Table 2 (continued)

| S.N   | Genera   | Species with Bibliography  | Location (District/Province)  | Distribution   |
|---|--|--|---|--|
| 7.  | <i>Xysticus</i><br>C.L. Koch, 1835             | <i>Xysticus alpinistus</i> [15]<br><i>Xysticus cristatus</i> [15]<br><i>Xysticus croceus</i> [2]<br><i>Xysticus elephantus</i> [15]<br><i>Xysticus martensi</i> [15]<br><i>Xysticus roonwali</i> [106]<br><i>Xysticus cf sikkimus</i> [15]   | Dolakha/ Bagmati P.<br>Mustang/ Gandaki P.<br>Nepal<br>Dolpa/ Karnali Province<br><br>Solukhumbu/ Province 1<br>Mustang/ Gandaki P. | Nepal, China<br>Nepal, Kazakhstan, Iran<br>India, Nepal, Bhutan, China<br>Nepal, China<br>Endemic<br>Nepal, India<br>Nepal, China, India |
| <b>XXXIII. FAMILY TITANOECIDAE</b> Lehtinen, 1967 |  |  |   |  |
| 1.  | <i>Anuvinda</i><br>Lehtinen, 1967              | <i>Anuvinda milloti</i> [107]<br>*transferred from genus <i>Amaurobius</i>   | Chitwan/ Bagmati P.   | Endemic  |
| <b>XXXIV. FAMILY ZODARIIDAE</b> Thorell, 1881     |  |  |   |  |
| 1.  | <i>Mallinella</i><br>Strand, 1906              | <i>Mallinella erratica</i> [19]<br>*transferred from genus <i>Storena</i><br><i>Mallinella martensi</i> [19]<br>*transferred from genus <i>Storena</i><br><i>Mallinella nepalensis</i> [19]<br>*transferred from genus <i>Storena</i><br><i>Mallinella uncinata</i> [19]<br>*transferred from genus <i>Storena</i> | Ilam/ Province 1<br>Mustang/ Gandaki Province<br>Rasuwa/ Bagmati Province<br>Kaski/ Gandaki Province                                | Endemic<br>Endemic<br>Endemic<br>Endemic   |
| 2.  | <i>Suffasia</i><br>Jocqué, 1991                | <i>Suffasia kanchenjunga</i> [31]<br><i>Suffasia martensi</i> [31]<br><i>Suffasia tumegaster</i> [108]   | Ilam/ Province 1<br>Ilam/ Province 1<br>Lalitpur/ Bagmati P.  | Endemic<br>Endemic<br>Endemic  |
| 3.  | <i>Tropizodium</i><br>Jocque & Churchill, 2005 | <i>Tropizodium bengalensis</i> [58]<br>*transferred from genus <i>Lutica</i>   | Nepal   | Nepal and India  |

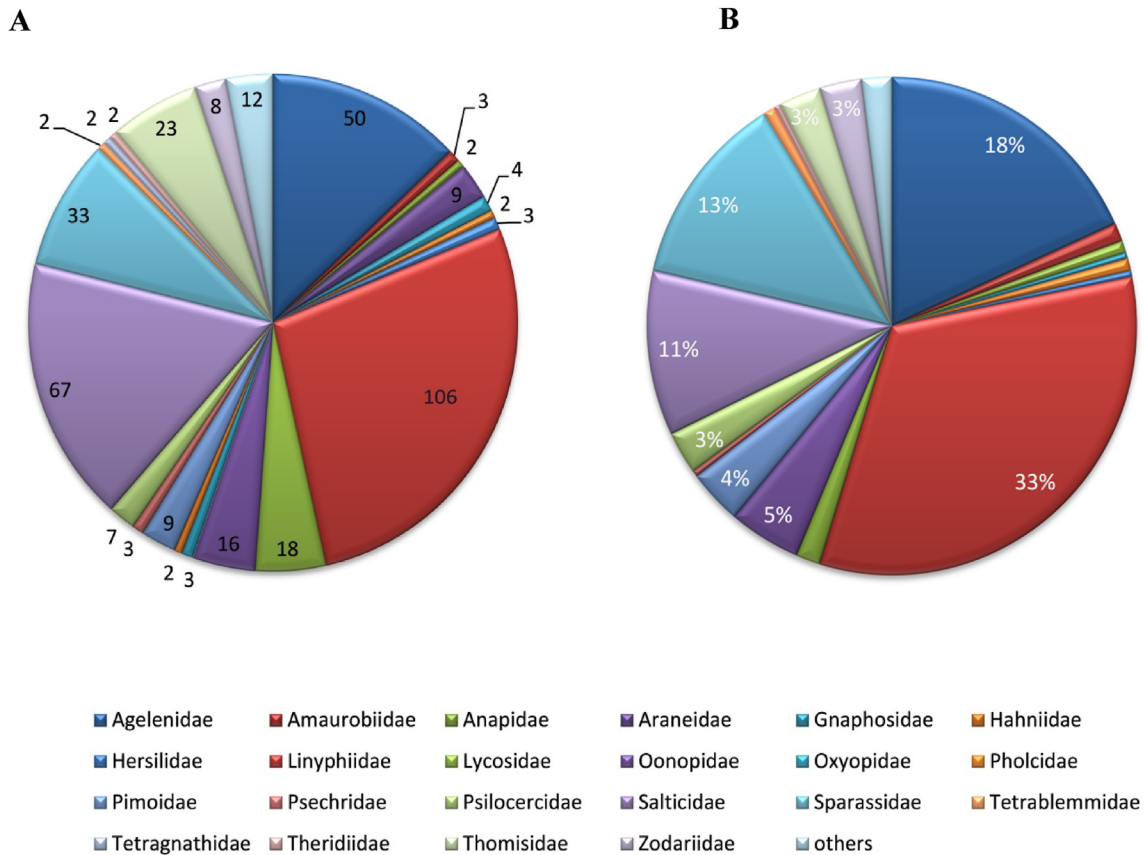


Figure 2. (A) Total species per family of Nepalese spiders. (B) Percentage of each family in Nepal's endemic species.

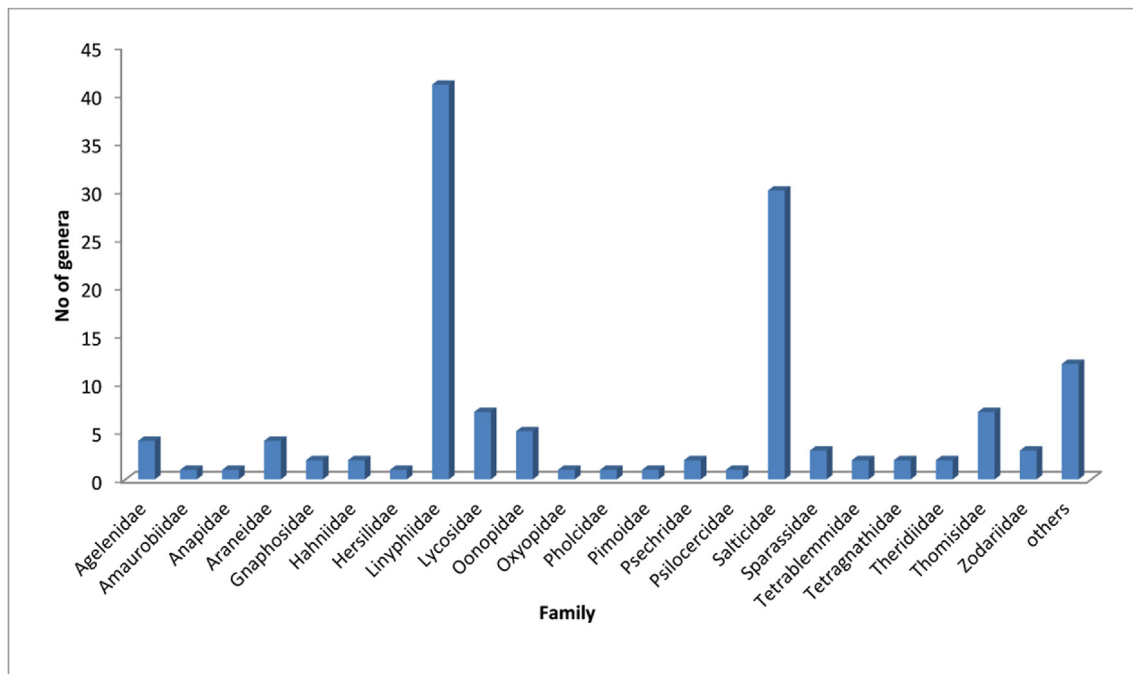


Figure 3. No of genera in each family of Nepalese spiders.

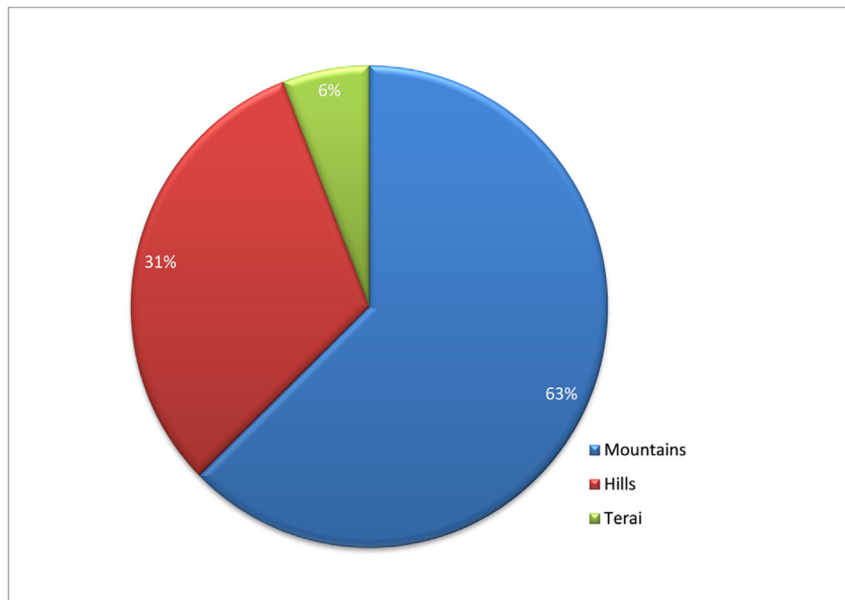


Figure 4. Nepalese spider species by ecological regions. Summary of the spider fauna of Nepal.

Number of Families: 34.  
 Number of Genera: 135.  
 Number of Species: 386.  
 Number of Endemic Species: 251.

This checklist contains taxonomic upgrades as well as corrections to past misidentifications. To avoid recurrence, synonymous species are sorted. Seven Tetrablemmidae species (*Tetrablemma elongata*, *Tetrablemma laboriosa*, *Tetrablemma mandibulata*, *Tetrablemma maxillosa*, *Tetrablemma phulchoki*, *Tetrablemma straminea*, *Tetrablemma virescens*, *Theridiosoma* sp) and two Synagelides species (*Synagelides wangdicus* and *Synagelides wuermlii*) enlisted earlier [30, 58] are omitted in this checklist due to lack of published references or collected specimens. Similarly, some enlistments from earlier lists are excluded due to unidentified specific trait. The checklist has also taken into account previous misidentifications, synonyms, and taxonomic transfers of several spider species.

### 5. Discussion

With 386 species of spiders, Nepal has about five times more species-to-area ratio (0.00262) than its neighbouring countries; China (0.000546) and India (0.000512) having 5249 and 1686 spider species each [73, 74]. It accounts for 16.79% of spiders of South Asia (2299 species) and 0.77% of total spiders in the world [2, 30]. The family Linyphiidae dominates the spider inventory of Nepal, although Salticidae lead the Chinese and Indian catalogues. With 63% of total spiders enlisted, maximum expeditions have been focused on Mountain ecological region of Nepal. In Nepalese spiders, there are conspicuous Himalayan radiations. Deeply separated valleys and a plethora of mountain



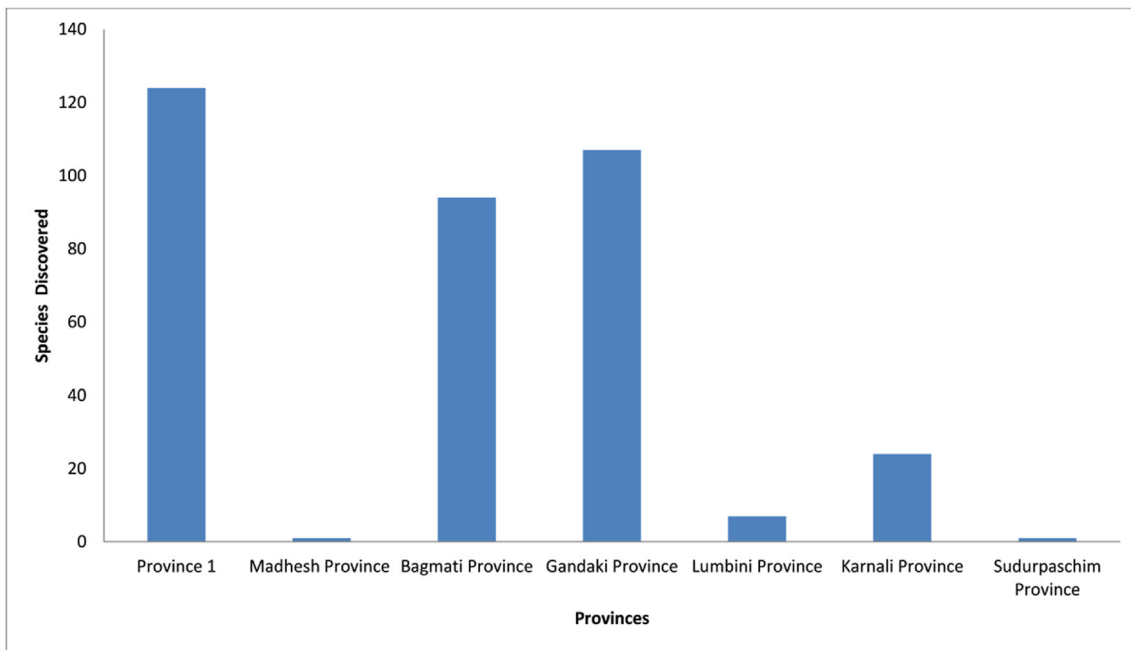


Figure 5. Nepalese spider species by federal provinces.

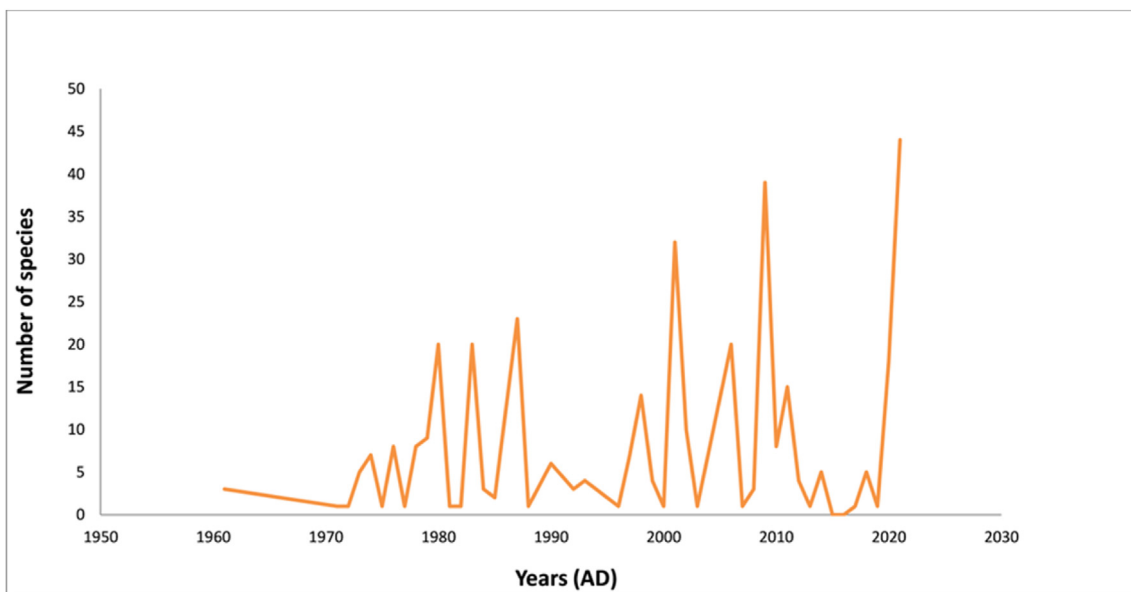


Figure 6. Trend of spider discoveries in Nepal.

ranges preventing ground-dwelling arthropods from spreading quickly from one valley chain to the next, has resulted in the evolution of several species [47]. The diversity of coelotine spiders in Nepal astounded the authors; Wang and Martens [47]. Local species of genera *Draconarius*, *Pseudopoda*, and *Bhutaniella* have particularly striking traits [43, 47]. The existence of *Euophrys omnisuperstes* amid snow and stony debris at a height of 6700 m above sea level is intriguing.

The study of Nepal's endemic Himalayan spider species has got a good attention, but the lush lower vegetation has been overlooked. Vast swaths of biologically significant land have remained mostly unexplored. Out of 77 districts of Nepal, 39 have not been explored a bit for spider diversity. Since 1910, there have been only 94

publications on Nepalese spiders. There is a weak positive Karl Pearson's coefficient of correlation ( $r = 0.228$ ) between years and new spiders discovered in Nepal. A simple keyword search {allintitle: spider "Country name"} yields about 40 times less results on google scholar for Nepal than those for China and India. These clearly indicate a significant research gap. Scholars from around the world appear to be curious but Nepalese have played a modest role in spider studies. Also, a 100% research focus has been on baseline surveys. With growing global interests on spider webs, ecology and venom, other thematic areas should be covered as well. Nepal thus seems a promising land for spider diversity. Further explorations might significantly boost global spider inventory. The authors thus invite

and encourage researchers from all around the world to investigate Nepalese spiders.

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The authors declare no conflict of interest.

### Additional information

No additional information is available for this paper.

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