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Spider fauna of Chhattisgarh: An updated checklist of spiders of Chhattisgarh, India with new additions

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Abstract

Spiders are one of the diverse groups of arachnids having more than 52,300 valid species worldwide. This study provides a comprehensive assessment of the diversity and distribution of spider species in Chhattisgarh, India. The research combines field observations and a thorough analysis of published literature and documented a total of 222 spider species from 96 genera of 23 families from the state of Chhattisgarh. The family Araneidae exhibited the highest species richness, with 49 species, followed by the families Thomisidae and Gnaphosidae which represented 32 and 31 species respectively. In the present study, 69 spider species have been documented, out of which 41 were previously unrecorded from the state. The findings of this research highlight the limited knowledge regarding spider distribution and diversity in Chhattisgarh. Several spider families have yet to be documented in the region. It is crucial to conduct in-depth surveys to comprehensively document the spider fauna in Chhattisgarh. Photographs of some important spider species found in Chhattisgarh are presented too in an appendix.

Keywords: Arachnida, Diversity, Araneomorphae, Faunal diversity.

Introduction

Spiders are predators by nature and feed on a wide range of insects, including invertebrates and small vertebrates; they play a vital role in maintaining ecosystem function and environmental health. Spiders have spread to almost every type of terrestrial environment (Except for Antarctica) with various guild structures and regional adaptation

state is surrounded by Orissa, Madhya Pradesh, Telangana, Jharkhand, and Maharashtra. This state has rich biodiversity because about 41% of its area is covered by forests. The forest covers predominantly a mixture of tropical dry deciduous and moist deciduous forest. Chhattisgarh is predominantly a plateau region, with the Maikal Range in the north and the Bastar Plateau in the south. These plateaus are covered in dense forests and are known for their scenic beauty and rich biodiversity. The central part and southern parts of Chhattisgarh have significant forest cover. The geography of the area provides several habitats and microhabitats for the microfauna.

Chhattisgarh has a tropical climate. Due to its proximity to the Tropic of Cancer and reliance on the monsoons for rain, it is hot and humid. In Chhattisgarh, the summertime high can reach 45°C. Most of the rain is in the monsoon season, which lasts from late June to October. The average annual rainfall in Chhattisgarh is 1,292 millimetres. From November to January is winter. Winters are pleasant With low humidity and moderate temperatures (Bhuarya *et al.*, 2018).

Methodology: The current study is based on the collected field data and published literature on spiders, i.e., research papers, book chapters, Records, World Spider Catalog (WSC) and fauna series of the ZSI. Several field visits were conducted in different parts of Chhattisgarh, India from February 2023 to May 2024. In the present study along with the addition of new spider fauna to Chhattisgarh, the documentation of existing literature on spiders in Chhattisgarh was also carried out. Some of the literature published has errors in the scientific names and also due to the revision of taxa, the status of various taxa has been modified in the recent past. Therefore, in the present checklist we attempt to correct errors in the scientific names of the spiders following World Spider Catalog (2024). In the study, if a spider species is identified only up to genus level it was classified in a separate table.

The collecting of specimens was done using various sampling methods, viz, vegetation beating, pitfall trapping, sweep netting, hand picking, and leaf litter sampling (Hore & Uniyal, 2008). Due to the large study area, it is not possible to cover all the habitat types. There are nine sites where the sampling activity was conducted (Fig. 1). After collecting, the specimens were preserved in 70% alcohol. For species-level identification, specimens were examined under the stereo-zoom microscope. Due to the unavailability of a mounted camera on the microscope, the identifying photographs under the microscope were not available. Identification of spider was done using different publications, and the World Spider Catalog. The map of the study area and sampling site was carried out with ArcGIS 10.3 (Fig. 1). Photographs of some important spider species found in Chhattisgarh, India are presented too (Appendix 1).

Results and Discussion

In the year 2000, the state of Chhattisgarh (CG) was carved out from the state of Madhya Pradesh (MP). From the literature review, it was found that before 1980 no work had been done on spider fauna in present-day CG. B.K. Tikader studied many families of spiders from central India. Afterward, Spider from MP and Chhattisgarh were mainly studied by Gajbe U. (1983-1999) of which most of the specimens were described from MP only. In the book "Fauna of Indravati Tiger Reserve Madhya Pradesh" (Ghosh, 1995) Gajbe reported 13 spider species from 10 genera of 4 families from the southern part of Chhattisgarh. In 2011 Patil reviewed spiders of MP and CG and reported 214 species from 68 families from Central India. Out of the 214 species, around 70% of species were

only reported from the state of Madhya Pradesh because most of the studies were done in the nearby region of Jabalpur and in some protected areas of MP (Patil, 2011).

After 2010, less number of taxonomic grade publications from the CG, and only some checklists were reported (Ekka & Kujur, 2015; Kujur & Ekka, 2012, 2016a, 2016b; Sen, 2021). All the published checklists by Kujur & Ekka were from the nearby region of Raigarh, CG and in some cases listed up to the generic level. On the other hand, the study by Sen (2021) studied spider diversity in the Gariaband district of CG and found 13 species from 8 families which was insignificant as compared to its study area. The number of species may not be near to the actual spider diversity of the area. The review of spiders in Chhattisgarh was done by (Singh & Singh, 2021), which reported 179 species belonging to 21 families and noted no spider faunal survey, it was done in most of the parts of the state. Out of 179 species documented, 165 were reported from Raigarh district only. Most parts of the CG are still unexplored.

Table 1. Spider checklist of Chhattisgarh.

| Family/Genus | Species | Reported from | References |
|--|--|--|---|
| 1. Agelenidae C.L. Koch, 1837 | | | |
| <i>Agelena</i> Walckenaer, 1805 | <i>Agelena gautami</i> Tikader, 1962 | Mungeli | Toppo <i>et al.</i> , 2020 |
| | <i>Agelena inda</i> Simon, 1897 | Mungeli | Toppo <i>et al.</i> , 2020 |
| <i>Tegenaria</i> Latreille, 1804 | <i>Tegenaria comstocki</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012, Ekka & Kujur, 2015, Toppo <i>et al.</i> , 2020 |
| 2. Araneidae Clerck, 1757 | | | |
| <i>Anepsion</i> Strand, 1929 | <i>Anepsion maritatum</i> (O. Pickard-Cambridge, 1877) | Bilaspur, Sarguja | PS |
| <i>Araneus</i> Clerk, 1757 | <i>Araneus bastarensis</i> Gajbe, 2005 | Bastar | Gajbe, 2005a |
| | <i>Araneus camilla</i> (Simon, 1889) | Mungeli | Toppo <i>et al.</i> , 2020 |
| <i>Araniella</i> Chamberlin & Ivie, 1942 | <i>Araniella nympha</i> (Simon, 1889) | Raigarh | Kujur & Ekka, 2012, 2016a, 2016b; Ekka & Kujur, 2015; Toppo <i>et al.</i> , 2020 |
| <i>Argiope</i> Savigny, 1825 | <i>Argiope aemula</i> (Walckenaer, 1841) | Bijapur, Kanker, Narayanpur, Raigarh, Mungeli, Korba, Champa | Gajbe, 1995, 2003, 2005a; Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015; Toppo <i>et al.</i> , 2020; PS |
| | <i>Argiope anasuja</i> Thorell, 1887 | Bastar, Bilaspur | Gajbe, 2005a; PS |
| | <i>Argiope catenulata</i> (Doleschall, 1859) | Mungeli, Bastar, Champa | Toppo <i>et al.</i> , 2020; PS |
| | <i>Argiope minuta</i> Karsch, 1879 | Mungeli | Toppo <i>et al.</i> , 2020 |

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|---|---|--|---|
| | <i>Argiope pulchella</i> Thorell, 1881 | Bijapur, Narayanpur, Raigarh, Mungeli, Raipur, Sarguja, Bilaspur, Pathalgaon | Gajbe, 1995; Gajbe 2007; Kujur & Ekka, 2012, 2016a, 2016b; Ekka & Kujur, 2015; Toppo <i>et al.</i> , 2020; PS |
| | <i>Argiope trifasciata</i> (Forskål, 1775) | Bastar | Gajbe, 1995; Gajbe, 2007 |
| <i>Bijoaraneus</i> Tanikawa, Yamasaki & Petcharad, 2021 | <i>Bijoaraneus mitificus</i> (Simon, 1886) | Bastar, Narayanpur, Raigarh | Gajbe, 2007; Gajbe, 2005a; Kujur & Ekka, 2012, 2016a, 2016b; Ekka & Kujur, 2015; PS |
| <i>Cyclosa</i> Menge, 1866 | <i>Cyclosa bifida</i> (Doleschall, 1859) | Raigarh, Bilaspur, Sarguja | Kujur & Ekka, 2016b; PS |
| | <i>Cyclosa confraga</i> (Thorell, 1893) | Raigarh, Bilaspur | Kujur & Ekka, 2012, 2016a, 2016b; Ekka & Kujur, 2015; PS |
| | <i>Cyclosa hexatuberculata</i> Tikader, 1982 | Bastar, Bijapur, Narayanpur, Raigarh, Bilaspur | Gajbe, 1995; Gajbe, 2007; Ekka & Kujur, 2015; Kujur & Ekka, 2016b; PS |
| | <i>Cyclosa insulana</i> (Costa, 1834) | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Cyclosa moondensis</i> Tikader, 1963 | Raigarh, Sarguja | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015; PS |
| | <i>Cyclosa spirifera</i> Simon, 1889 | Bastar | Gajbe, 2004 |
| | <i>Cyrtophora bidenta</i> Tikader, 1970 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016b |
| | <i>Cyrtophora citricola</i> (Forskål, 1775) | Sarguja | PS |
| <i>Cyrtarachne</i> Thorell, 1868 | <i>Cyrtarachne inaequalis</i> Thorell, 1895 | Sarguja, Champa, Raipur | PS |
| <i>Cyrtophora</i> Simon, 1864 | <i>Cyrtophora jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Ekka & Kujur, 2015, Kujur & Ekka, 2016a |
| | <i>Cyrtophora moluccensis</i> (Doleschall, 1857) | Sarguja | PS |
| <i>Eriovixia</i> Archer, 1951 | <i>Eriovixia excelsa</i> (Simon, 1889) | Raigarh, Bastar, Pathalgaon | Kujur & Ekka, 2012; Ekka & Kujur, 2015; PS |
| | <i>Eriovixia laglaizei</i> (Simon, 1877) | Bilaspur, Raigarh | PS |
| <i>Gasteracantha</i> Sundevall, 1833 | <i>Gasteracantha geminata</i> (Fabricius, 1798) | Sarguja, Bilaspur, Raigarh | PS |

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|--|--|------------------------------|--|
| | <i>Gasteracantha kuhli</i> C.L. Koch, 1837 | Bilaspur, Raigarh | PS |
| <i>Gibbaranea</i> Archer, 1951 | <i>Gibbaranea bituberculata</i> (Walckenaer, 1802) | Bilaspur, Raigarh | PS |
| <i>Guizygiella</i> Zhu, Kim & Song, 1997 | <i>Guizygiella indica</i> (Tikader & Bal, 1980) | Raigarh | Ekka & Kujur, 2015 |
| <i>Herennia</i> Thorell, 1877 | <i>Herennia multipuncta</i> (Doleschall, 1859) | Bastar, Narayanpur | Gajbe, 2005a; Toppo <i>et al.</i> , 2020; PS |
| <i>Larinia</i> Simon, 1874 | <i>Larinia bharatae</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Larinia chloris</i> (Savigny, 1825) | Raipur, Bastar | PS |
| | <i>Larinia emertoni</i> Gajbe & Gajbe, 2004 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Larinia phthisica</i> (L. Koch, 1871) | Sarguja | PS |
| <i>Macracantha</i> Simon, 1864 | <i>Macracantha hasselti</i> (C.L. Koch, 1837) | Bilaspur, Sarguja, Korba | PS |
| <i>Neoscona</i> Simon, 1864 | <i>Neoscona bengalensis</i> Tikader & Bal, 1981 | Raigarh | Kujur & Ekka, 2012, 2016a, 2016b; Ekka & Kujur, 2015 |
| | <i>Neoscona biswasi</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Neoscona molemensis</i> Tikader & Bal, 1981 | Bastar | Gajbe, 2005a |
| | <i>Neoscona muckerjei</i> Tikader, 1980 | Bastar, Kanker, Raigarh | Gajbe, 1995; Gajbe, 2003; Kujur & Ekka, 2012, 2016a |
| | <i>Neoscona nautica</i> (L. Koch, 1875) | Raigarh, Bastar, Pathalgaon | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015; PS |
| | <i>Neoscona pavida</i> (Simon, 1906) | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a, 2016b |
| | <i>Neoscona punctigera</i> (Doleschall, 1857) | Bastar, Sarguja | PS |
| | <i>Neoscona sanghi</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Neoscona sanjivani</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015 |
| | <i>Neoscona sinhagadensis</i> (Tikader, 1975) | Bilaspur, Champa, Pathalgaon | Gajbe, 2003 |

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| | <i>Neoscona theisi</i> (Walckenaer, 1841) | Raigarh | Gajbe, 2003; Kujur & Ekka, 2016a; PS |
| <i>Nephila</i> Leach, 1815 | <i>Nephila pilipes</i> (Fabricius, 1793) | Raigarh, Mungeli, Pathalgaon | Kujur & Ekka, 2012, 2016a; Toppo <i>et al.</i> , 2020; PS |
| <i>Parawixia</i> F.O. Pickard-Cambridge, 1904 | <i>Parawixia dehaani</i> (Doleschall, 1859) | Bilaspur, Raigarh, Champa, Pathalgaon | PS |
| <i>Thelacantha</i> van Hasselt, 1882 | <i>Thelacantha brevispina</i> (Doleschall, 1857) | Raigarh, Korba, Champa, Sarguja | PS |
| <i>Trichonephila</i> Dahl, 1911 | <i>Trichonephila clavata</i> (L. Koch, 1878) | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| 3. Cithaeronidae Simon, 1893 | | | |
| <i>Cithaeron</i> O. Pickard-Cambridge, 1872 | <i>Cithaeron indicus</i> Platnick & Gajbe, 1994 | Rajnandgaon | Platnick & Gajbe, 1994 |
| 4. Clubionidae Simon, 1878 | | | |
| <i>Clubiona</i> Latreille, 1804 | <i>Clubiona drassodes</i> O. Picard-Cambridge, 1874 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Clubiona filicata</i> O. Picard-Cambridge, 1874 | Bilaspur, Korba | PS |
| 5. Corinnidae Karsch, 1880 | | | |
| <i>Corinnomma</i> Karsch, 1880 | <i>Corinnomma severum</i> (Thorell, 1877) | Bilaspur, Raigarh | PS |
| 6. Eresidae C.L. Koch, 1845 | | | |
| <i>Stegodyphus</i> Simon, 1873 | <i>Stegodyphus sarsinorum</i> Karsch, 1892 | Bastar, Narayanpur, Raigarh, Rajnandgaon, Sarguja | Gajbe & Sharma, 1994; Gajbe PU, 2004; Gajbe 2004a, 2007; Kujur & Ekka, 2016a; PS |
| 7. Filistatidae Ausserer, 1867 | | | |
| <i>Pritha</i> Lehtinen, 1967 | <i>Pritha poonaensis</i> (Tikader, 1963) | Bastar, Narayanpur, Raigarh | Gajbe & Sharma, 1994; Gajbe, 2007; Kujur & Ekka, 2016a |
| 8. Gnaphosidae Banks, 1892 | | | |
| <i>Callilepis</i> Westring, 1874 | <i>Callilepis chakanensis</i> Tikader, 1982 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Callilepis lambai</i> Tikader & Gajbe, 1977 | Kondagaon, Raigarh | Gajbe, 1995, 2007; Gajbe, 2007; Kujur & Ekka, 2016a |

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| | <i>Callilepis rukminiae</i> Tikader & Gajbe, 1977 | Raigarh | Kujur & Ekka, 2016a |
| <i>Cryptodrassus</i> Miller, 1943 | <i>Cryptodrassus khajuriai</i> (Tikader & Gajbe, 1976) | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Drassodes</i> Westring, 1851 | <i>Drassodes himalayensis</i> Tikader & Gajbe, 1975 | Sarguja | Gajbe, 1988 |
| | <i>Drassodes lophognathus</i> Purcell, 1907 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Drassodes luridus</i> (O. Pickard-Cambridge, 1874) | Kondagaon, Raigarh | Gajbe, 1995, 2007 |
| | <i>Drassodes meghalayaensis</i> Tikader & Gajbe, 1977 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Drassodes narayanpurensis</i> Gajbe, 2005 | Narayanpur | Gajbe, 2005b |
| | <i>Drassodes pashanensis</i> Tikader & Gajbe, 1977 | Bastar | Gajbe, 2007 |
| | <i>Drassodes sagarensis</i> Tikader, 1982 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Drassodes tikaderi</i> (Gajbe, 1987) | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Gnaphosa</i> Latreille, 1804 | <i>Gnaphosa jodhpurensis</i> Tikader & Gajbe, 1977 | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Gnaphosa pauriensis</i> Tikader & Gajbe, 1977 | Bastar, Raigarh | Gajbe, 2003; Ekka & Kujur, 2015 |
| | <i>Gnaphosa poonaensis</i> Tikader, 1973 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Haplodrassus</i> Chamberlin, 1922 | <i>Haplodrassus sataraisensis</i> Tikader & Gajbe, 1977 | Bastar, Narayanpur | Gajbe, 1988, 2005b, 2007 |
| <i>Hitobia</i> Kamura, 1992 | <i>Hitobia meghalayensis</i> (Tikader & Gajbe, 1976) | Raigarh | Kujur & Ekka, 2016a |
| | <i>Hitobia poonaensis</i> (Tikader & Gajbe, 1976) | Raigarh, Rajnandgaon | Gajbe, 2003; Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Hitobia singhi</i> (Tikader & Gajbe, 1976) | Raigarh | Kujur & Ekka, 2016a |
| <i>Megamyrmaekion</i> Reuss, 1834 | <i>Megamyrmaekion tikaderi</i> (Gajbe, 1987) | Bastar, Raigarh | Gajbe, 2003; Kujur & Ekka, 2016a |
| <i>Poecilochroa</i> Westring, 1874 | <i>Poecilochroa barmani</i> Tikader, 1982 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Poecilochroa tikaderi</i> Patel, 1989 | Raigarh | Kujur & Ekka, 2016a |

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| <i>Scotophaeus</i> Simon, 1893 | <i>Scotophaeus goaensis</i> (Tikader, 1982) | Raigarh, Sarguja | Gajbe, 2005b, 2007; Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| <i>Setaphis</i> Simon, 1893 | <i>Setaphis subtilis</i> (Simon, 1897) | Sarguja | Gajbe, 1988, 2007 |
| <i>Zelotes</i> Gistel, 1848 | <i>Zelotes bharatae</i> Gajbe, 2005 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Zelotes jabalpurensis</i> Tikader & Gajbe, 1976 | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Zelotes poonaensis</i> Tikader & Gajbe, 1976 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Zelotes sataransis</i> Tikader & Gajbe, 1979 | Narayanpur | Gajbe, 2005b, 2007 |
| | <i>Zelotes shantae</i> Tikader, 1982 | Narayanpur | Gajbe & Sharma, 1994 |
| | <i>Zelotes viveki</i> Gajbe, 2005 | Bastar | Gajbe, 2005b |
| | <i>Zelotes yogeshi</i> Gajbe, 2005 | Bastar, Rajnandgaon | Gajbe, 2004a, 2005b; Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| 9. Hersiliidae Thorell, 1869 | | | |
| <i>Hersilia</i> Savigny, 1825 | <i>Hersilia savignyi</i> Lucas, 1836 | Bastar, Narayanpur, Raigarh, Rajnandgaon, Bilaspur, Korba | Gajbe, 1992a; Gajbe & Sharma, 1994; Gajbe, 2004a, 2007; Kujur & Ekka, 2016a; Ekka & Kujur, 2015; PS |
| 10. Liocranidae Simon, 1897 | | | |
| <i>Agroeca</i> Westring, 1861 | <i>Agroeca tikaderi</i> (Gajbe, 1992) | Narayanpur | Gajbe, 1992b, 2007 |
| <i>Oedignatha</i> Thorell, 1881 | <i>Oedignatha scrobiculata</i> Thorell, 1881 | Korba | PS |
| <i>Sphingius</i> Thorell, 1890 | <i>Sphingius barkudensis</i> Gravely, 1931 | Raigarh | Kujur & Ekka, 2012, 2016a |
| 11. Lycosidae Sundevall, 1833 | | | |
| <i>Arctosa</i> C.L. Koch, 1847 | <i>Arctosa himalayensis</i> Tikader & Malhotra, 1980 | Kanker, Raigarh, Rajnandgaon | Gajbe & Sharma, 1994; Gajbe, 2004b; Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Arctosa indica</i> Tikader & Malhotra, 1980 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| <i>Draposa</i> Kronstedt, 2010 | <i>Draposa amkhasensis</i> (Tikader & Malhotra, 1976) | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Draposa porpaensis</i> (Gajbe, 2004) | Bastar | Gajbe, 2004b |

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|--------------------------------|--|---|---|
| <i>Hippasa</i> Simon, 1885 | <i>Hippasa agelenoides</i> (Simon 1884) | Bijapur, Kanker, Narayanpur, Raigarh, Mungeli | Gajbe & Sharma, 1994; Gajbe, 1995, 2003; Kujur & Ekka, 2012, 2016a, 2016b; Toppo <i>et al.</i> , 2020 |
| | <i>Hippasa deserticola</i> Simon, 1889 | Bastar | Gajbe, 2004b |
| | <i>Hippasa partita</i> (O. Pickard-Cambridge, 1876) | Bastar | Gajbe, 2004b |
| <i>Lycosa</i> Latreille, 1804 | <i>Lycosa bistriata</i> Gravely, 1924 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Lycosa jagadalpurenensis</i> Gajbe, 2004 | Bastar, Raigarh | Gajbe, 2004b; Kujur & Ekka, 2012, 2016a |
| | <i>Lycosa nigrotibialis</i> Simon, 1884 | Bijapur, Kondagaon | Gajbe & Sharma, 1994 |
| | <i>Lycosa pictula</i> Pocock, 1901 | Mungeli | Toppo <i>et al.</i> , 2020 |
| | <i>Lycosa poonaensis</i> Tikader & Malhotra, 1980 | Bastar, Bijapur, Raigarh | Gajbe & Sharma, 1994; Gajbe, 1995; Kujur & Ekka, 2012, 2016a |
| | <i>Lycosa shaktae</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Lycosa tista</i> Tikader, 1970 | Mungeli | Toppo <i>et al.</i> , 2020 |
| <i>Pardosa</i> C.L. Koch, 1847 | <i>Pardosa bargaonensis</i> Gajbe, 2004 | Narayanpur | Gajbe, 2004b |
| | <i>Pardosa jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Pardosa mukundi</i> Tikader & Malhotra, 1980 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Pardosa orcchaensis</i> Gajbe, 2004 | Bastar | Gajbe, 2004b |
| | <i>Pardosa pseudoannulata</i> (Bösenberg & Strand, 1906) | Sarguja, Pathalgaon | PS |
| | <i>Pardosa ranjani</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Pardosa sumatrana</i> (Thorell, 1890) | Bijapur, Narayanpur | Gajbe & Sharma, 1994; Gajbe, 1995 |
| | <i>Pardosa tappaensis</i> Gajbe, 2004 | Rajnandgaon | Gajbe, 2004b |
| | <i>Pardosa timidula</i> (Roewer, 1951) | Raigarh | Kujur & Ekka, 2016a |
| Wadicosa Zyuzin, 1985 | <i>Wadicosa fidelis</i> (O. Pickard-Cambridge, 1872) | Bastar, Bijapur, Kanker, Narayanpur, Raigarh, Mungeli | Gajbe & Sharma, 1994; Gajbe, 1995; Kujur & Ekka, 2016a, 2016b; Toppo <i>et al.</i> , 2020 |

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| 12. Oonopidae Simon, 1890 | | | |
| <i>Triaeris</i> Simon, 1892 | <i>Triaeris barela</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015 |
| 13. Oxyopidae Thorell, 1869 | | | |
| <i>Oxyopes</i> Latreille, 1804 | <i>Oxyopes ashae</i> Gajbe, 1999 | Bastar, Raigarh | Gajbe, 1999, 2008; Kujur & Ekka, 2016a |
| | <i>Oxyopes bharatae</i> Gajbe, 1999 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Oxyopes hindostanicus</i> Pocock, 1901 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Oxyopes hotingchiehi</i> Schenkel, 1963 | Sarguja | PS |
| | <i>Oxyopes jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Oxyopes kamalae</i> Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Oxyopes ketani</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Oxyopes kusumae</i> Gajbe, 1999 | Raigarh | Ekka & Kujur, 2015 |
| | <i>Oxyopes naliniae</i> Gajbe, 1999 | Narayanpur, Raigarh | Gajbe, 1999; Kujur & Ekka, 2016a |
| | <i>Oxyopes rukminiae</i> Gajbe, 1999 | Bastar, Raigarh | Gajbe, 1999, 2008; Kujur & Ekka, 2016a |
| | <i>Oxyopes sakuntalae</i> Tikader, 1970 | Kondagaon | Gajbe, 2007 |
| | <i>Oxyopes shweta</i> Tikader, 1970 | Pathalgaon, Champa, Sarguja, Bilaspur | PS |
| | <i>Oxyopes sunandae</i> Tikader 1970 | Bijapur | Gajbe, 2007 |
| <i>Peucetia</i> Thorell, 1869 | <i>Peucetia ashae</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Peucetia jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Peucetia pawani</i> Gajbe, 1999 | Bastar, Raigarh | Gajbe, 1999; Kujur & Ekka, 2016a |
| | <i>Peucetia rajani</i> Gajbe, 1999 | Bastar | Gajbe, 1999 |
| | <i>Peucetia viridana</i> (Stoliczka, 1869) | Bilaspur, Raipur | PS |
| | <i>Peucetia viveki</i> Gajbe, 1999 | Raigarh | Ekka & Kujur, 2015 |

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| | <i>Peucetia yogeshi</i> Gajbe, 1999 | Narayanpur, Raigarh | Gajbe, 1999, 2008; Kujur & Ekka, 2016a |
| 14. Philodromidae Thorell, 1869 | | | |
| <i>Philodromus</i> Walckenaer, 1826 | <i>Philodromus ashae</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a |
| | <i>Philodromus barmani</i> Tikader, 1980 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Philodromus bhagirathai</i> Tikader, 1966 | Kanker, Raigarh | Gajbe & Sharma, 1994; Kujur & Ekka, 2012, 2016a |
| | <i>Philodromus cespitum</i> (Walckenaer, 1802) | Gariaband | Sen, 2021 |
| | <i>Philodromus domesticus</i> Tikader, 1962 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Philodromus jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Philodromus pali</i> Gajbe & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2016a |
| <i>Thanatus</i> C.L. Koch, 1837 | <i>Thanatus jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Thanatus ketani</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Tibellus</i> Simon, 1875 | <i>Tibellus jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Tibellus poonaensis</i> Tikader, 1962 | Raigarh | Kujur & Ekka, 2016a |
| 15. Pholcidae C.L. Koch, 1850 | | | |
| <i>Crossopriza</i> Simon, 1893 | <i>Crossopriza lyoni</i> (Blackwall, 1867) | Champa, Bilaspur | PS |
| <i>Holocnemus</i> Simon, 1873 | <i>Holocnemus pluchei</i> (Scopoli, 1763) | Gariaband | Sen, 2021 |
| <i>Micropholcus</i> Deeleman-Reinhold & Prinsen, 1987 | <i>Micropholcus fauroti</i> (Simon, 1887) | Bilaspur | PS |
| <i>Pholcus</i> Walckenaer, 1805 | <i>Pholcus phalangioides</i> (Fuesslin, 1775) | Gariaband | Sen, 2021 |
| 16. Pisauridae Simon, 1890 | | | |
| <i>Nilus</i> O. Pickard- Cambridge, 1876 | <i>Nilus phipsoni</i> (F.O. Pickard- Cambridge, 1898) | Champa, Sarguja | PS |

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| <i>Perenethis</i> L. Koch, 1878 | <i>Perenethis venusta</i> L. Koch, 1878 | Champa, Raipur, Sarguja | PS |
| 17. Salticidae Blackwall, 1841 | | | |
| <i>Asemonea</i> O. Pickard-Cambridge, 1869 | <i>Asemonea tenuipes</i> (O. Pickard-Cambridge, 1869) | Mungeli | Toppo <i>et al.</i> , 2020 |
| <i>Bianor</i> G.W Peckham & E.G. Peckham, 1886 | <i>Bianor albobimaculatus</i> (Lucas, 1846) | Bilaspur, Korba | PS |
| | <i>Bianor angulosus</i> (Karsch, 1879) | Raigarh | Kujur & Ekka, 2016a |
| <i>Carrhotus</i> Thorell, 1891 | <i>Carrhotus viduus</i> (C.L. Koch, 1846) | Mungeli, Bilaspur | Toppo <i>et al.</i> , 2020; PS |
| <i>Chrysilla</i> Thorell, 1887 | <i>Chrysilla volupe</i> (Karsch, 1879) | Bilaspur, Raigarh, Korba | PS |
| <i>Harmochirus</i> Simon, 1886 | <i>Harmochirus brachiatus</i> (Thorell, 1877) | Korba | PS |
| <i>Hasarius</i> Simon, 1871 | <i>Hasarius adansoni</i> (Audouin, 1825) | Mungeli, Raipur, Bastar | Toppo <i>et al.</i> , 2020; PS |
| <i>Hyllus</i> C.L. Koch, 1846 | <i>Hyllus semicupreus</i> (Simon, 1885) | Mungeli, Bilaspur | Toppo <i>et al.</i> , 2020; PS |
| <i>Menemerus</i> Simon, 1868 | <i>Menemerus bivittatus</i> (Dufour, 1831) | Mungeli, Sarguja, Korba | Toppo <i>et al.</i> , 2020; PS |
| <i>Myrmaplata</i> Prószyński, 2016 | <i>Myrmaplata plataleoides</i> (O. Pickard-Cambridge, 1869) | Raigarh, Bilaspur, Sarguja | PS |
| <i>Phidippus</i> C.L. Koch, , 1846 | <i>Phidippus bhimrakshiti</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Phintella</i> Strand, 1906 | <i>Phintella vittata</i> (C.L. Koch, 1846) | Bilaspur, Korba, Sarguja, Raigarh | PS |
| <i>Plexippus</i> C.L. Koch, 1846 | <i>Plexippus paykulli</i> (Audouin, 1825) | Raigarh, Mungeli | Kujur & Ekka, 2016a, 2016b; Toppo <i>et al.</i> , 2020; PS |
| | <i>Plexippus petersi</i> (Karsch, 1878) | Raipur | PS |
| <i>Portia</i> Karsch, 1878 | <i>Portia fimbriata</i> (Doleschall, 1859) | Korba | PS |
| <i>Rhene</i> Thorell, 1869 | <i>Rhene albigera</i> (C.L. Koch, 1846) | Bilaspur, Champa | PS |
| | <i>Rhene flavigera</i> (C.L. Koch, 1846) | Raigarh, Bilaspur | Kujur & Ekka, 2012; Ekka & Kujur, 2015; PS |
| <i>Telamonia</i> Thorell, 1887 | <i>Telamonia dimidiata</i> (Simon, 1899) | Mungeli, Korba, Bilaspur | Toppo <i>et al.</i> , 2020; PS |

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| <i>Thyene</i> Simon, 1885 | <i>Thyene calebi</i> (Kanesharatnam & Benjamin, 2018) | Bilaspur, Korba | PS |
| | <i>Thyene imperialis</i> (Rossi, 1846) | Bilaspur | PS |
| 18. Scytodidae Blackwall, 1864 | | | |
| <i>Scytodes</i> Latreille, 1804 | <i>Scytodes alfredi</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Scytodes fusca</i> Walckenaer, 1837 | Sarguja, Korba | PS |
| 19. Sparassidae Bertkau, 1872 | | | |
| <i>Heteropoda</i> Latreille, 1804 | <i>Heteropoda venatoria</i> (Linnaeus, 1767) | Mungeli | Toppo <i>et al.</i> , 2020 |
| <i>Olios</i> Walckenaer, 1837 | <i>Olios milleti</i> (Pocock, 1901) | Mungeli, Bilaspur, Raigarh | Toppo <i>et al.</i> , 2020; PS |
| 20. Tetragnathidae Menge, 1866 | | | |
| <i>Leucauge</i> White, 1841 | <i>Leucauge celebesiana</i> (Walckenaer, 1841) | Narayanpur, Raigarh | Gajbe, 2007; Kujur & Ekka, 2016a; PS |
| | <i>Leucauge decorata</i> (Blackwall, 1864) | Raigarh, Bilaspur, Sarguja | Kujur & Ekka, 2016a, 2016b; Toppo <i>et al.</i> , 2020; PS |
| | <i>Leucauge fastigata</i> (Simon, 1877) | Bilaspur, Raipur, Sarguja, Raigarh | PS |
| <i>Tetragnatha</i> Latreille, 1804 | <i>Tetragnatha geniculata</i> Krasch, 1892 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Tetragnatha javana</i> (Thorell, 1890) | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Tetragnatha mandibulata</i> Walckenaer, 1841 | Bilaspur, Raipur, Korba | PS |
| | <i>Tetragnatha vermiformis</i> Emerton, 1884 | Raigarh | Kujur & Ekka, 2016a |
| 21. Theridiidae Sundevall, 1833 | | | |
| <i>Ariamnes</i> Thorell, 1869 | <i>Ariamnes flagellum</i> (Doleschall, 1857) | Raigarh, Sarguja | PS |
| <i>Nesticodes</i> Archer, 1950 | <i>Nesticodes rufipes</i> (Lucas, 1846) | Sarguja, Raigarh | PS |
| 22. Thomisidae Sundevall, 1833 | | | |
| <i>Amyciaea</i> Simon, 1886 | <i>Amyciaea forticeps</i> (O. Pickard-Cambridge, 1873) | Bijapur, Bilaspur | Gajbe & Sharma, 1994; Gajbe, 1995; PS |
| <i>Indoxysticus</i> Benjamin & Jaleel, 2010 | <i>Indoxysticus minutus</i> (Tikader, 1960) | Bastar, Kanker, Narayanpur, Raigarh, Sarguja | Gajbe & Sharma, 1994; Gajbe, 2005c, 2007; Kujur & Ekka, 2016b |

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| <i>Misumenoides</i> F. O. Pickard-Cambridge, 1900 | <i>Misumenoides gwarighatensis</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| <i>Monaeses</i> Thorell, 1869 | <i>Monaeses jabalpurensis</i> Gajbe & Rane, 1992 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| <i>Oxytate</i> Koch, 1878 | <i>Oxytate elongata</i> (Tikader, 1980) | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Ozyptila</i> Simon, 1864 | <i>Ozyptila amkhasensis</i> Tikader, 1980 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Ozyptila jabalpurensis</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Runcinia</i> Simon, 1875 | <i>Runcinia insecta</i> (L. Koch, 1875) | Bijapur, Raigarh, Sarguja | Gajbe & Sharma, 1994; Gajbe, 1995, 2007; Kujur & Ekka, 2016a |
| | <i>Runcinia khandari</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Runcinia yogeshi</i> Gajbe & Gajbe, 2001 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| <i>Synema</i> Simon, 1864 | <i>Synema decoratum</i> Tikader, 1960 | Narayanpur, Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Synema mysorensis</i> Tikader, 1980 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| <i>Thomisus</i> Walckenaer, 1805 | <i>Thomisus ashishi</i> Gajbe, 2005 | Kanker | Gajbe, 2005c |
| | <i>Thomisus bargi</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Thomisus danieli</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Thomisus elongatus</i> Stoliczka, 1869 | Bastar | Gajbe, 2005c, 2007 |
| | <i>Thomisus lobosus</i> Tikader, 1965 | Raigarh, Sukma | Gajbe, 2005c, 2007; Kujur & Ekka, 2016 |
| | <i>Thomisus manishae</i> Gajbe, 2005 | Raigarh, Rajnandgaon | Gajbe, 2005c; Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Thomisus pateli</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Thomisus pathaki</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015 |
| | <i>Thomisus projectus</i> Tikader, 1960 | Bastar, Bijapur, Raigarh | Gajbe & Sharma, 1994; Gajbe, 1995; Kujur & Ekka, 2016a, 2016b |

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| | <i>Thomisus rajani</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| | <i>Thomisus simoni</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Thomisus sundari</i> Gajbe & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2016a |
| | <i>Thomisus viveki</i> Gajbe, 2004 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Thomisus whitakeri</i> Gajbe, 2004 | Raigarh | Ekka & Kujur, 2015 |
| <i>Tmarus</i> Simon, 1875 | <i>Tmarus jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Kujur & Ekka, 2012, 2016a; Ekka & Kujur, 2015 |
| <i>Xysticus</i> C.L. Koch, 1835 | <i>Xysticus jabalpurensis</i> Gajbe & Gajbe, 1999 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Xysticus joyantius</i> Tikader, 1966 | Raigarh, Sarguja | Gajbe, 2007; Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Xysticus kali</i> Tikader & Biswas, 1974 | Raigarh | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Xysticus tikaderi</i> Bhandari & Gajbe, 2001 | Raigarh | Kujur & Ekka, 2012; Ekka & Kujur, 2015 |
| | <i>Xysticus viveki</i> Gajbe, 2005 | Narayanpur | Gajbe, 2005c |
| 23. Uloboridae Thorell, 1869 | | | |
| <i>Uloborus</i> Latreille, 1806 | <i>Uloborus jabalpurensis</i> Bhandari & Gajbe, 2001 | Raigarh | Ekka & Kujur, 2015 |
| <i>Zosis</i> Walckenaer, 1841 | <i>Zosis geniculata</i> (Olivier, 1789) | Bastar, Bilaspur, Korba, Raigarh | Kujur & Ekka, 2016a; PS |

PS = Present Study, # - New records from Chhattisgarh.

In the current study, a total of 222 species (Literature review and Field visit) from 23 families have been reported from Chhattisgarh (Table 1 and Fig. 1). In the present study, 69 spider species have been documented, out of which 41 were unrecorded before from the state. From the literature a total of 42 species are reported, identified only up to the genus level (Table 2). From the literature, it is found that various common species of spiders still now not been reported from Chhattisgarh. There is no representative of the infraorder Mygalomorphae reported from the state. A number of spider species found in the neighbouring state still have not been reported from Chhattisgarh. The neighbouring state has more spider diversity than Chhattisgarh; i.e., from the state of Maharashtra 785 species from 44 families, from the state of Odisha 264 species from 42 families, from the state of Madhya Pradesh 336 species in 30 families and from the state of Telangana 125 species from 21 families have been reported (Singh, 2021).

The current study documents some new species in the state, due to the lack of manpower and resources the field visit is limited to some parts of the CG. The number of sites selected and species found in the current study may not represent the spider diversity of the state of CG.

Table 2. List of spider taxa (identified up to generic level) of Chhattisgarh.

| Family | Species up to genus level only | References |
|---------------------------------------|--------------------------------|--|
| Agelenidae C.L. Koch, 1837) | <i>Tegenaria</i> sp. | Kujur & Ekka, 2016a |
| Araneidae Clerck, 1757 | <i>Araneus</i> sp. | Mishra & Shrivastava, 2002; Ekka & Kujur, 2015 |
| | <i>Argiope</i> sp. | Kujur & Ekka, 2016a |
| | <i>Chorizopes</i> sp. | Ekka & Kujur, 2015 |
| | <i>Cyclosa</i> sp. | Ekka & Kujur, 2015 |
| | <i>Cyrtophora</i> sp. | Kujur & Ekka, 2016a |
| | <i>Eriovixia</i> sp. | Kujur & Ekka, 2016a |
| | <i>Guizygiella</i> sp. | Ekka & Kujur, 2015 |
| | <i>Larinia</i> sp. | Ekka & Kujur, 2015 |
| | <i>Neoscona</i> sp. | Kujur & Ekka, 2015; Kujur & Ekka, 2016a, 2016b |
| | <i>Poltys</i> sp. | PS |
| Deinopidae C.L. Koch, 1850 | <i>Asianopsis</i> sp. | PS |
| Dictynidae O. Pickard-Cambridge, 1871 | <i>Nigma</i> sp. | Ekka & Kujur, 2015 |
| Eresidae C.L. Koch, 1845 | <i>Stegodyphus</i> sp. | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| Gnaphosidae Banks, 1892 | <i>Nodocion</i> sp. | Kujur & Ekka, 2012; Kujur & Ekka, 2015; Kujur & Ekka, 2016a |
| | <i>Scopoides</i> sp. | Ekka & Kujur, 2015 |
| | <i>Sergiolus</i> sp. | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| | <i>Sosticus</i> sp. | Kujur & Ekka, 2016a |
| | <i>Zelotes</i> sp. | Kujur & Ekka, 2016a |
| Lycosidae Sundevall, 1833 | <i>Hippasa</i> sp. | Ekka & Kujur, 2015 |
| | <i>Lycosa</i> sp. | Mishra & Shrivastava, 2002 |
| | <i>Pardosa</i> sp. | Mishra & Shrivastava, 2002; Ekka & Kujur, 2015; Kujur & Ekka, 2016a, 2016b |
| Oxyopidae Thorell, 1869 | <i>Oxyopes</i> sp. | Ekka & Kujur, 2015; Kujur & Ekka, 2016a, 2016b |
| | <i>Peucetia</i> sp. | Ekka & Kujur, 2015 |
| Palpimanidae Thorell, 1869 | <i>Palpimanus</i> Sp. | PS |
| Philodromidae Thorell, 1869 | <i>Philodromus</i> sp. | Ekka & Kujur, 2015 |
| | <i>Tibellus</i> sp. | Ekka & Kujur, 2015 |
| Pholcidae C.L. Koch, 1850 | <i>Artema</i> sp. | Ekka & Kujur, 2015 |
| Salticidae Blackwall, 1841 | <i>Phidippus</i> sp. | Mishra & Shrivastava, 2002 |
| | <i>Rhene</i> sp. | Kujur & Ekka, 2016a, 2016b |
| | <i>Zygoballus</i> sp. | Mishra & Shrivastava, 2002 |
| Scytodidae Blackwall, 1864 | <i>Scytodes</i> sp. | Ekka & Kujur, 2015; Kujur & Ekka, 2016a |
| Tetragnathidae Menge, 1866 | <i>Leucauge</i> sp. | Ekka & Kujur, 2015 |
| | <i>Tetragnatha</i> sp. | Mishra & Shrivastava, 2002 |
| Thomisidae Sundevall, 1833 | <i>Misumenoides</i> sp. | Kujur & Ekka, 2016a, 2016b |
| | <i>Monaeses</i> sp. | Kujur & Ekka, 2016a, 2016b |
| | <i>Oxytate</i> sp. | Kujur & Ekka, 2016b |

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| <i>Thomisus</i> sp. | Ekka & Kujur, 2015; Kujur & Ekka, 2016a, 2016b |
| <i>Thomisus</i> sp. 1 | Kujur & Ekka, 2016a |
| <i>Thomisus</i> sp. 2 | Kujur & Ekka, 2016a |
| <i>Xysticus</i> sp. | Kujur & Ekka, 2016a |

PS = Present Study, # - New records from Chhattisgarh.

Conclusion

The study reveals significant gaps in the knowledge of spider fauna in the region, especially compared to neighbouring states like Maharashtra, Odisha, Madhya Pradesh, and Telangana, which have higher documented spider diversity. The absence of representatives from certain infraorders, such as Mygalomorphae, and the underreporting of common species indicate that much of Chhattisgarh's spider biodiversity remains undiscovered.

To address these gaps, future research should focus on comprehensive surveys across various habitats and regions of Chhattisgarh, employing a range of sampling techniques to capture the full extent of spider diversity. Detailed taxonomic studies are also needed to correct past inaccuracies and update the status of species in line with recent revisions. Efforts should be made to explore underrepresented groups, such as Mygalomorphae, to gain a more complete understanding of the state's arachnid fauna. Additionally, building local research capacity through training programs and fostering collaborations with national and international experts can enhance research efforts. Conservation strategies should also be developed based on these findings to protect spider habitats and promote biodiversity. By implementing these recommendations, future studies can provide a more comprehensive understanding of spider diversity in Chhattisgarh, which is essential for biodiversity conservation and ecosystem management.

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Appendix 1. Photographs of some important spider species found in Chhattisgarh, India.

| Family: Araneidae | | |
|---|--|---|
|  |  |  |
| <i>Argiope aemula</i> | <i>Argiope anasuja</i> | <i>Argiope pulchella</i> |
|  |  |  |
| <i>Bijoaraneus mitificus</i> | <i>Cyrtophora citricola</i> | <i>Cyrtophora moluccensis</i> |
|  |  |  |
| <i>Eriovixia excelsa</i> | <i>Eriovixia laglaizei</i> | <i>Gasteracantha geminata</i> |
|  |  |  |
| <i>Gasteracantha kuhli</i> | <i>Gibbaranea bituberculata</i> | <i>Macracantha hasselti</i> |

| | | |
|---|---|---|
|  |  |  |
| <i>Neoscona nautica</i> | <i>Neoscona punctigera</i> | <i>Neoscona theisi</i> |
| | | Family: Corinnidae |
|  |  |  |
| <i>Nephila pilipes</i> | <i>Nephila pilipes</i> | <i>Corinnomma severum</i> |
| Family: Deinopidae | Family: Eresidae | Family: Hersiliidae |
|  |  |  |
| <i>Asianopsis</i> sp. | <i>Stegodyphus sarsinorum</i> | <i>Hersilia savignyi</i> |
| Family: Oxyopidae | | Family: Palpimanidae |
|  |  |  |
| <i>Oxyopes hindostanicus</i> | <i>Peucetia viridana</i> | <i>Palpimanus</i> sp. |

| Family: Pholcidae | | Family: Pisauridae |
|--|---|---|
|  <p><i>Crossopriza lyoni</i></p> | |  <p><i>Nilus phipsoni</i></p> |
| | Family: Salticidae | |
|  <p><i>Carrhotus viduus</i></p> |  <p><i>Harmochirus brachiatus</i></p> |  <p><i>Hasarius adansoni</i></p> |
|  <p><i>Hyllus semicupreus</i></p> |  <p><i>Myrmaplata plataleoides</i></p> |  <p><i>Phintella vittata</i></p> |
|  <p><i>Plexippus paykulli</i></p> |  <p><i>Plexippus petersi</i></p> |  <p><i>Rhene flavigera</i></p> |

| | | |
|---|---|---|
|  |  |  |
| <i>Telamonia dimidiata</i> | <i>Thyene calebi</i> | <i>Thyene imperialis</i> |
| Family: Scytodidae | | Family: Sparassidae |
|  | |  |
| <i>Scytodes fusca</i> | | <i>Olios milleti</i> |
| Family: Tetragnathidae | | |
|  |  |  |
| <i>Leucauge decorata</i> | <i>Leucauge fastigata</i> | <i>Tetragnatha mandibulata</i> |
| Family: Theridiidae | Family: Thomisidae | Family: Uloboridae |
|  |  |  |
| <i>Ariamnes flagellum</i> | <i>Amyciaea forticeps</i> | <i>Zosis geniculata</i> |