

Family ARANEIDAE Clerck, 1757

The Araneidae is a large family comprising more than 160 genera and 2800 species.

Diagnostic characters

Small to large araneomorph spiders; three tarsal claws; cribellate, entelegyne; eight eyes in two rows with lateral eyes widely separated from the median eyes; labium rebordered; abdomen globose, overhanging the carapace; legs usually with numerous spines and sustentaculum on tarsus IV; male palp with mesalymbium, median apophysis and radix in the embolic division; an orb web with a sticky spiral, or a modification of such a web, is constructed.

Natural History

Construct Orb Web on Shrubs, Semi dwarf plant. Voracious feeder, trap its prey in webs.

List of commonly occurring species

1. *Araneus metificus*



2. *Poltyas ilipidus*



3. *Neoscona murkharji*



4. *Cyclosa vankhadensis*



5. *Cyclosa moondensis*



6. *Nephila pilipes*



7. *Larinia* sp.



8. *Cirtophora citricola*



9. *Argiope anasuja*



Family HERSILIIDAE Thorell, 1870

Long spinnered spiders / to tailed spiders / whirligig spiders

Diagnostic characters

Small to medium sized areneomorph spiders; three tarsal claws; ecribellate; entelegyne; eight eyes; posterior spinnerets long and slender with apical segment strongly tapering; carapace ovoid and flattened ; eyes on tubercles.

Natural History

Found hunting on barks of trees, stones, mimicking bark and stone colors. Sometimes found on wall of building, nocturnally most active, it's sometime active during day timealso.

List of commonly occurring species

10. *Hersilia savignyi* Lucas, 1836



Family LYCOSIDAE Sundevall, 1833

Wolf Spiders

Represented by 102 genera and almost 2300 species (Platnick, 2005) from seven subfamilies: Allocosinae, Evippinae, Lycosinae, Pardosinae, Vennoniinae, Wadicosinae and Tricassinae.

Diagnostic characters

Small to very large araneomorph spiders three tarsal claws; ecribellate; entelegyne; eyes in three rows (4:2:2); male palp almost always without retrolateral tibial apophysis; female carries egg sac attached to spinnerets.

Natural History

Free living ground dwelling hunters, some lives on burrows or construct sheet webs with funnel

List of commonly occurring species

11. *Evippa jabalpurensis* Gajbe, 2004



12. *Hippasa holmerae* Thorell, 1895



13. *Geolycosa karli* Montgomery, 1904



14. *Lycosa arambagensis* Biswas & Biswas, 1992



Family OECOBIIDAE Blackwall, 1862
Dwarf round-headed spiders/ Star legged spiders

Diagnostic characters

Small to medium sized araneomorph spiders; three tarsal claws; cribellate and ecribellate genera; entelegyne; six or eight eyes; anal tubercle large, two segmented with double fringe of curved setae.

Natural History

On barks, sometimes under stones, on cracks, crevices of rocks and rough surfaces of walls. Hunting spider.

List of commonly occurring species

15. *Oecobius marathaus* Tikader, 1962



16. *Uroctea thaleri* Rheims, Santos & van Harten, 2007



Family OXYOPIDAE Thorell, 1870

Lynx Spiders

Diagnostic characters

Small to large araneomorph spiders; three tarsal claws; ecribellate; entelegyne; eight eyes; clypeus wide; setae prominent on legs; trochanters notched; tapetum grate-like.

Natural History

Free living plant dwellers and on grasses. Hunting spider, may jumps on flying prey.

List of commonly occurring species

1. *Oxyopes kohaensis* Bodkhe & Vankhede, 2012



2. *Oxyopes boriensis* Bodkhe & Vankhede, 2012



3. *Peucetia yogeshi* Thorell, 1869



Family PHOLCIDAE C. L. Koch, 1850

Daddy-long-legs spider

Diagnostic characters

Very small to medium-sized spiders; three tarsal claws; ecribellate; haplogyne; six or eight eyes; clypeus about as high as chelicerae; legs usually very long with pseudosegmented tarsi; chelicerae fused with lamina, modified in males; male palp with conspicuous procurus (retrolateral paracymbium).

Natural History

Construct sheet or space webs on darks places like caves, under stones, roof and fallen logs.

List of commonly occurring species

4. *Crossopriza lyoni* (Blackwall, 1867)



5. *Micropholcus fauroti* (Simon, 1887)



6. *Leptopholcuskandy* Huber, 2011



Family SALTICIDAE Blackwall, 1841

Jumping spider

Represented by 550 genera and 5026 species (Platnick, 2005) arranged in 16 subfamilies.

Diagnostic Characters

Small to large araneomorph spiders; two tarsal claws; ecribellate; entelegyne; eight eyes; carapace square-fronted with four, forwardly directed eyes of which the anterior median eyes are very large.

Natural History

Diurnal, cursorial hunting, jumping spider. Occupied wide variety of habitat i.e. on walls, stones, barks, grounds and grasses as well as in leaf litter.

List of commonly occurring species

7. *Cyrba ocellata*



8. *Chrysilla* sp.



9. *Harmochirus brachiatus* (Thorell, 1877)



10. *Hasarius adansoni* (Audouin, 1826)



11. *Hyllus semicupreus* (Simon, 1885)



12. *Menemerus bivittatus* (Dufour, 1831)



13. *Plexipus pykuli*



Family ERESIDAE C. L. Koch, 1845

Velvet spiders

Diagnostic Characters

Small to large Araneomorph spiders; three tarsal claws; cribellate; entelegyne; eight eyes; carapace convex, rectangular; median eyes situated close together, with lateral eyes spaced; body usually clothed in a dense layer of short plumose setae.

Social spider retreat webs in burrows and on plant, sometimes found huge colony on thorny plant and on compound walls.

List of commonly occurring species

14. *Stegodyphus sarasinorum* Karsch, 1892



Family FILISTATIDAE Ausserer, 1867

Crevice wavers

Diagnostic characters

Small to medium-sized araneomorph spiders; three tarsal claws; cribellate; haplogyne; eight eyes; labium fused to sternum; chelicerae basally fused with laminae; cribellum divided, bearing claviformcribellate spigots.

Natural History

Construct tubular webs in holes present in sediment or soil, slopyterrainof mountain.

List of commonly occurring species

15. *Pritha poonaensis* (Tikader, 1963)



Family LIOCRANIDAE Simon, 1897

Spiny legged sac spiders

Diagnostic characters

Small to medium-sized araneomorph spider; two tarsal claws; ecribellate; entelegyne; eight eyes (sometimes reduced); male palp with medium apophysis.

Natural History

Ground dwelling, free-living inside litter sometimes found associated with ants and termites.

List of commonly occurring species

16. *Oedignatha binoyii* Reddy & Patel, 1993



17. *Sphingius delakharensis*



Family SCYTODIDAE Blackwall, 1864

Spitting spiders

Diagnostic characters

Small to medium-sized araneomorph spiders; three tarsal claws; ecribellate; haplogyne; six eyes in three diads; domed thoracic region contains prosomal glands that produce gluey silk; legs long and slender; body decorated with symmetrical dark pattern.

Natural History

Wandering spiders commonly occurred on soil or surface of grass bases.

List of commonly occurring species

18. *Scytodes mawphlongensis* Tikader, 1966



Family SICARIIDAE Keyserling, 1880

Six-eyed sand spiders, Violin spiders

Diagnostic characters

Medium-sized to large araneomorph spiders; two tarsal claws; ecribellate; haplogyne; six eyes in three diads; semichelate provided with a stridulating files.

Natural History

Ground dwellers, free-living, sometimes found in leaf litter.

List of commonly occurring species

19. *Loxosceles rufescens* (Dufour, 1820)



Family SPARASSIDAE Bertkau, 1872

Huntsman spiders

Diagnostic characters

Medium-sized to very large araneomorph spiders; two tarsal claws; ecribellate; entelegyne; eight eyes; laterigrade legs; soft trilobite membranes at apex of metatarsi; chelicera margin with teeth.

Natural History

Hunting spiders, some species are huge in size, nocturnal, wandering. Found on plants, in caves.

List of commonly occurring species

20. *Heteropoda sexpunctata* Simon, 1885



21. *Olios tener*



Family TETRAGNATHIDAE Menge, 1866

Water orb-weavers

Represented by 56 genera and 1021 species (Platnick, 2005) placed in four subfamilies; Dolichognathinae, Leucauginae, metainae and Tetragnathinae.

Diagnostic characters

Small to very large araneomorph spiders; three tarsal claws; ecribellate; entelegyne or secondary haplogyne; eight eyes; male genitalia comparatively simply simple, with large paracymbium and often several cymbial processes, conductor and embolus coiled apically; median apophysis absent.

Natural History

Orb weaver. Generally construct webs horizontal over water surface some are on plant.

List of commonly occurring species

22. *Guizygiella shivui*



23. *Tetragnatha mandibulata* Latreille, 1804



24. *Leucage decorata*



Family THERIDIIDAE Sundevall, 1833

Cob web spiders, Gum foot Web spiders

Represented by 81 genera and more than 2200 species (Platnick, 2005)

Diagnostic characters

Small to medium sized araneomorph spiders; three tarsal claws; ecribellate; entelegyne; eight eyes; trasi IV with a row of tightly curved, serrated bristles; labium not rebordered; leg with nor few spines; modified, aggregate silk gland present; male palpal tibia distally widened; no paracymbium; sticky silk is used to wrap prey.

Natural History

Construct irregular space webs commonly known as cob web or gumboot in wide variety of habitat.

List of commonly occurring species

25. *Physosoma martinae* (Roberts, 1983)



26. *Steatoda grossa*



27. *Theridion melanostictum* O. Pickard-Cambridge, 1876



Family THOMISIDAE Sundevall, 1833

Crab spiders

Represented by 164 genera and 2031 species (Platnick, 2005) listed in seven subfamilies: Aphantochilinae, Bominae, Dietnae, Stephanopinae, Stephanopinae, Stropiinae, Stiphropodinae and Thomisinae.

Diagnostic characters

Small to large araneomorph spiders; two tarsal claws; ecribellate; entelegyne; eight eyes; legs laterigrade with I and II usually longer than III and IV (except Bominae); lateral eyes usually on tubercles; morphologically a very diverse group.

Natural History

Wandering spider found mainly on leaf litter some are on ground sometimes may climb on bark of trees.

List of commonly occurring species

28. *Amyciaea* sp. O. Pickard-Cambridge, 1879



29. *Xysticus* sp. C. L. Koch, 1835



30. *Tmarus sp.* Simon, 1875



Family TITANOECIDAE Lehtinen, 1967

Rock wavers

Diagnostic characters

Small to medium sized araneomorph spiders; three tarsal claws; cribellate; entelegyne; eight eyes; clamistrum long, uniseriate; endites parallel; male palpal tibia complex, with pro- and retrolateral apophyses.

Natural History

Ground dwelling spiders. Flimsy webs under stone or cribellate space webs. Sometimes may be found wandering on ground or bark.

List of commonly occurring species

31. *Pandava laminata*



Family ULOBORIDAE Thorell, 1869

Hackled orb we spiders, Triangle web spiders, Single line web spiders

Represented by 18 genera and more than 240 species (Platnick, 2005) placed in four subfamilies; Miagrammopinae, Hyptiotinae, Tangaroinae and Uloborinae.

Diagnostic characters

Small to medium sized araneomorph spiders; three tarsal claws; cribellate; entelegyne; eight eyes; metatarsi IV dorsally compressed and curved under uniseriatecalamistrum; femora with rows of long trichobothria; Venom glands absent; male palp with two apical setae.

Natural History

Construct orb webs or single line web by some individual. Found on trees barks branches on walls, in bushes.

List of commonly occurring species

32. *Miagrammopes apostrophus* Sen, Saha&Raychaudhuri, 2013



33. *Uloborus jabalpurensis* Bhandari &Gajbe, 2001



Family ZODARIIDAE Thorell, 1881

Burrowing spiders, Ant eating spiders

Represented by 69 genera and more than 800 species placed in five subfamilies: Cyriocteinae, Cydrelineae, Lachesanninae, Storenomorphinae and Zodariinae.

Diagnostic characters

Small to large araneomorph spiders with an enormous variation of shapes; three tarsal claws with teeth on paired tarsal claws implanted on lateral side facing opposing claws; ecribellate; entelegyne; six or eight eyes; serrula absent; cheliceral fangs very short; anterior lateral spinnerets long; posterior spinnerets reduced.

Free-living ground dwellers sometimes found on bark or under stones. Mimicking ants and termites.

List of commonly occurring species

34. *Tropizodium viridiventris*



35. *Euryodion* sp.

