

## **AGRYPNINAE (COLEOPTERA : ELATERIDAE) OF INDIA : A TAXONOMIC REVIEW AND CHECKLIST**

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### **INTRODUCTION**

The family popularly known as 'click-beetles' is designated Elateridae under superfamily Elateroidea in the suborder Polyphaga.

The larvae of these primarily nocturnal beetles are known as 'wire worms', a serious pest of certain crops (Stebbing, 1914). These beetles are found throughout India where extensive vegetative covers are in extant. Some however, have been collected from sandy beds of hilly areas (members of the genus *Meristhus*).

The name of the family Elateridae Leach 1815 was based on the tribe Elaterites Leach, 1815. *Elater* Linnaeus, 1758 was the type genus of the tribe Elaterites.

Supra specific definition and limit of this family remains confusing and the classification of this group of beetles has been regarded by some chief authors as 'almost hopeless' (Stibick, 1979). However, several schemes of classification have been forwarded by different authors (Laccordaire 1857, Candeze 1891, Fiautiaux 1941, Schwarz 1906, Stibick 1979).

Authorities varied in their opinion regarding limit and definition of various categories such as subtribes, tribes and subfamilies and some treat them as subfamilies of equal rank. For a number of reasons, including purposes of reference and classification, this arrangement has not been satisfactory. Several authors Hyslop (1917), Crowson (1961), Gurjeva (1969, 1974) tried to improve the elaterid classification.

Stibick (1979) classified Elateridae into 12 subfamilies and 27 tribes, 5 of those tribes are again divided into 20 subtribes; most of the subfamilies of other authors have been ranked as tribe by Stibick (op. cit.). Most of the authors, however, still follow the classification proposed by Fleutiaux (1941). In this classification he classified Elateridae into 21 subfamilies. Von Hayek (1973, 1979) and others have also followed this classification. For the present work, the category subfamily Agrypninae is used as proposed by Fleutiaux (von Hayek, 1973).

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Candeze in 1857 dealt the group as Agrypnides. The type genus was *Agrypnus* Eschscholtz. In 1925 Schenkiing elevated Agrypnides as a subfamily.

As far as the subfamily Agrypninae is concerned a number of new genera and subgenera have been established in recent years. But study of the literatures reveals that in almost all the cases the diagnosis of the old as well as the new genera and subgenera are little more than the brief summaries of the most conspicuous features of the type species. In very few cases the range of variations existing within the genus was indicated or any effort was made to define the genus. Attempts to identify these materials with existing literatures shows that many species cannot be accomodated satisfactorily in any genus while others can be placed equally well in two or more genera (von Hayek, 1973).

Von Hayek (1973, 1979) carried out extensive work and placed all previously described species in appropriate genera. While carrying out her work, she reviewed and evaluated all previously used characters and discovered new characters and made use of previously neglected characters. All nominal species included in Agrypninae by previous workers were evaluated and each one was assigned to an appropriate genus. With the help of collections from all over the world, she prepared a new generic classification of the subfamily (1973) which has been universally accepted.

While studying the identified materials present in Zoological Survey of India and identified by various workers it has been observed that with the present state of new knowledge the generic status of almost all the species have to be changed and to be assigned to other genera.

The materials which were listed in this list was collected by several foreign workers a long time ago. They did not gave any particular locality of the materials they collected. The published locality of a number of species was either 'Indes-Orientales' or 'India' Only in the recent years, the authors have tried to give the exact locality of the species. We have given the exact locality of these species where ever possible, otherwise the published locality have been given.

Accordingly this present work has been contemplated to review the genera and species of Agrypninae of India and to provide the current status of such genera and species so far known from India.

### **HISTORY AND PRESENT STATUS OF THE SPECIES OF AGRYPNINAE FROM INDIA**

Fabricius (1775) was the first to describe a click-beetle, *Elater fuscipes* (now under *Lanelater*) collected by Koenig, a student of Fabricius who collected the material from South India. In 1891 Fabricius again described another species *Elater luridus* (now under *Lanelater*). The material came from 'Coromandal India' The last species in eighteenth century, *Elater tomentosus* (now under *Lanelater*) was also described by Fabricius in 1798. Specimens came from 'India Orienteles'

Thus eighteenth century ended with only three species of the subfamily Agrypninae from India.

In nineteenth century herbst (1806) described a species *Elater muticus* (now under *Agrypnus*). The material was from 'India Orientales' In 1840 Germar described one species *Lacon mustellinus* (now under *Agrypnus*). In 1844 Kollar described another species, *Lacon brachychaetus* (now

under *Agrypnus*). The material was collected from Kashmir.

In the middle of nineteenth century Candeze, pioneer worker of the family Elateridae, who published his first work 'Monographie des Elaterides I' in 1857. Here, he included 27 species from different parts of India, viz., *Lacon brunneipennis* (now under *Agrypnus*, material from N. India), *Lacon consobrinus* (now under *Agrypnus*), *Lacon costicollis* (now under *Agrypnus*), *Lacon desquamatus* (now under *Agrypnus*), *Lacon coenosus* (now under new name *Agrypnus deyrollei*), *Lacon ellipticus* (now under *Agrypnus*, material was from 'Himalaya'), *Lacon furunculoides* (now under *Agrypnus*), *Lacon haedulus* (now under *Agrypnus*), *Lacon lapideus* (now under *Agrypnus*), *Lacon molestus* (now under *Agrypnus*, material was from Dinapore, aux Indes-Orientales), *Lacon serrula* (now under *Agrypnus*), *Lacon torrefactus* (now under *Agrypnus*), *Lacon tostus* (now under *Agrypnus*), *Lacon transversus* (now under *Agrypnus*), *Lacon scutellatus* (now under *Agrypnus*, this was later recorded from U.P., India by Vats & Kashyap in 1992), *Lacon lupinosus* (now under *Agrypnus*, the material was later recorded from Kurukshetra by Vats & Kashyap, 1992), *Lacon adpersus* (now under *Adelocera*), *Lacon nebulosus* (now under *Adelocera*), *Agraeus mannerheimi* (now under *Adelocera*), *Pericus nitidus* (now under *Adelocera*, material was from North India), *Agrypnus aequalis* (now under *Lanelater*), *Agrypnus bipunctatus* (now under *Lanelater*), *Agrypnus cinereus* (now under *Lanelater*), *Agrypnus funestus* (now under *Lanelater*), *Agrypnus ocellatus* (now under *Lanelater*), *Meristhus pistrinarius* (now under *Rismethus*) and *Meristhus quadripunctatus*.

Next year (1858) a Russian entomologist, Motschulsky described a new species *Trachylacon lobicollis* (now under *Adelocera*) from India. In 1863, Candeze added another new species, *Scelismus sanguineus* (now under *Lacon*) from India. A decade later in 1874, Candeze described another seven new species viz. *Lacon coarctatus* (now under *Agrypnus*, the material was from Himalaya), *Lacon consors* (now under *Agrypnus*, the material was from Madras), *Lacon praetermissus* (now under *Agrypnus*), *Lacon minusculus* (now under *Adelocera*, the material was from Bombay), *Agrypnus attonitus* (now under *Lanelater*), *Agrypnus rufipes* (now under *Lanelater*, the material was from Pondicherry) and *Adelocera oliveri* (now under *Lacon*, the material was from Darjeeling).

Candeze (1882) described another new species, *Lacon delesserti* (now under *Agrypnus*). Later in 1889, Candeze again described six new species from India, viz. *Lacon jurulosus* (now under *Agrypnus*, the material was from Sikkim, Himalaya), *Lacon variatus* (now under *Agrypnus*, the material was from Chotanagpore), *Lacon demissus* (now under *Adelocera*, the material was from Bengal), *Adelocera collisa* (now under *Lacon*), *Adelocera insularis* (now under *Lacon*), *Agrypnus tippooi* (now under *Lanelater*).

Next year in 1890, Candeze described another 5 new species from India, viz *Lacon lustratus* (now under *Agrypnus*, material was from Chotanagpore), *Lacon melancholicus* (now under *Agrypnus*, material was from Nagpore), *Lacon variatus* (now under *Agrypnus*, material was from Chotanagpore), *Lacon succinatus* (now under *Adelocera*, material was from Bengal) and *Agrypnus renardi* (now under *Lanelater*, material was from Konbir, India). In 1892, Candeze described another new species, *Pericus discedens* (now under *Adelocera*, material was from Bengal). Next year in 1893 he again described another 6 species from different parts of India, namely *Lacon abreptus* (now under *Agrypnus*, material came from Kanara & Belgaum), *Lacon holocericeus* (now under *Agrypnus*,

material was from Kanara), *Lacon muscosus* (now under *Agrypnus*, material was from Kanara and Belgaum), *Lacon turbatus* (now under *Agrypnus*, material was from Bombay), *Lacon sulcifrons* (material was from Kanara) and *Agrypnus andrewsi* (now under *Lanelater*). In 1897, he described another three species viz., *Lacon duplex* (now under new name *Agrypnus blackburni*, material was from Sikkim), *Lacon inflatus* (now under *Agrypnus*, material was from Mysore) and *Adelocera monticola* (now under *Lacon*, materials was from Himalaya). Thus nineteenth century ended with a total number of 60 species from India.

At the beginning of the twentieth century in 1900 Candeze described another species, *Lacon aequalis* (now under *Agrypnus*, the material was from Kashmir).

In 1902 Schwarz described two new species namely, *Lacon oberndorferi* (now under *Agrypnus*, material was from Madras) and *Pericus oberndorferi* (now under *Adelocera*, the material was also from Madras). In the same year Fleutiaux described two species namely *Agrypnus bartoni* (now under *Lanelater*, material was from Ajmer) and *Adelocera robusta* (now under the new name *Lacon robustus*, the material was from Himalaya). In 1905, Schwarz described two new species, *Lacon niger* (now under *Agrypnus*) and *Allotypus duchoni* (now under *Lacon*). Particular locality of these two species is not known.

Then, there was a gap of long 27 years when no addition on the Indian Agrypninae fauna was made. In 1932, Fleutiaux described a new species, *Agraeus bhasini* (now under *Adelocera*, material was from Dehradun). In 1933 again he described another new species, *Trachylacon santali* (now under *Adelocera* material was from Aiyur). Two years later in 1935 he described another 4 new species viz., *Trachylacon doherti*, *Agraeus feai*, *Agraeus fryi* and *Agraeus indicus* (all the four species are now under *Adelocera*).

In 1944 Fleutiaux described the species *Octocryptus babaulti* from North India.

With a gap of nearly thirty years Ohira and Becker (1973) added two more species to Indian fauna, namely, *Meristhus pistrinarius* Candeze and *M. longicollis* Candeze.

Again for almost twenty years there was no taxonomic work on Indian Agrypnid fauna. It was only the last decade of the present century when Dr. L. K. Vats and his students started working under US PL-480 research project and financial assistance from USDA, Washington and Indian Council of Agricultural Research (ICAR), New Delhi. They have published a series of papers on Indian Elateridae. While working on Indian Elateridae they have also added a number of species to Indian Agrypninae. They have described 7 new species of *Adelocera*, 4 new species of *Lacon*, 40 new species of *Agrypnus* and 6 new species of *Lanelater*.

In 1992, Vats and Kashyap described seven new species of the genus *Adelocera* Latreille from North India, viz., *A. crenulatus*, *A. foveatus*, *A. imfoveatus*, *A. mayae*, *A. morniensis*, *A. pentagonalus* and *A. rectangulosus*. In the same year they again published four new species of the genus *Lacon* Castelnau, namely *L. carinatus*, *L. flavopilosus*, *L. kurukshetrensis* and *L. nigrofucus*.

In the year 1992 again Vats and Kashyap described forty new species of the genus *Agrypnus* Eschscholtz from North-West India viz., *A. acristatus*, *A. agrestis*, *A. argentosquamus*, *A. arorai*, *A. boomensis*, *A. campestris*, *A. concoloris*, *A. confertus*, *A. fuscoluridus*, *A. holontelius*, *A.*

*impectinatus*, *A. inlustris*, *A. jacksoni*, *A. kuluensis*, *A. lucidus*, *A. maisus*, *A. mohanensis*, *A. planocarpus*, *A. planus*, *A. plantaferusus*, *A. rajasthanensis*, *A. rameshi*, *A. repercussus*, *A. saltatus*, *A. solanensis*, *A. souslapisus*, *A. spinaparamerus*, *A. squamafraxineus*, *A. sternoviridis*, *A. striatulus*, *A. subargilus*, *A. subfaenum*, *A. sublapideus*, *A. substramentum*, *A. thuligadensis*, *A. triticumunsis*, *A. tuberculösus*, *A. tuberosus*, *A. upadhyai* and *A. vatsai*.

In the next year in 1893, Vats and Kashyap published six new species of the genus *Lanelater* Arnett from North India, viz., *L. afoveatus*, *L. densus*, *L. glabrosus*, *L. lucerus*, *L. scutopentagonus* and *L. vishvai*.

Thus 140 species belonging to 7 genera have so far been recorded from India while more than 1000 species under 19 genera are known from the world (Stibick, 1979). The agrypnid fauna still remains to be fully explored in India. Vats and his students have described more than 100 species of elaterid beetles belonging to different subfamilies of which about 57 belongs to Agrypninae. If intensive surveys are conducted many more new species are expected to be discovered in near future.

The following is the list of the click-beetles belonging to the subfamily Agrypninae so far recorded from India (geographical distribution also included) :-

*Adelocera* Latreille, 1829

Name of the species	Distribution
1. <i>A. adpersus</i> (Candeze, 1857)	India
2. <i>A. bhasini</i> (Fleutiaux, 1932)	India : Dehradun
3. <i>A. crenulatus</i> Vats & Kashyap, 1992	India : Haryana
4. <i>A. demissus</i> (Candeze, 1889)	India : Bengal
5. <i>A. discedens</i> (Candeze, 1892)	India : Bengal
6. <i>A. doherti</i> (Fleutiaux, 1935)	India : Assam
7. <i>A. feai</i> (Fleutiaux, 1935) (= <i>Agraeus mouhoti</i> Candeze, 1888)	India : Assam, Sikkim, Almora, Kulu, Thuligad, Mohan.
8. <i>A. foveatus</i> Vats & Kashyap, 1992	India : Rajasthan, Haryana, Kurukshetra.
9. <i>A. fryi</i> (Fleutiaux, 1935)	India : Assam
10. <i>A. imfoveatus</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Shahjahanpur
11. <i>A. indicus</i> (Fleutiaux, 1935)	India : Nilgiri
12. <i>A. lobicollis</i> (Motschulsky, 1858) (= <i>Agraeus mouhoti</i> Candeze, 1874, = <i>Agraeus duporti</i> Fleutiaux, 1918 = <i>Agraeus tonkinensis</i> Fleutiaux, 1927)	India Orientales
13. <i>A. mannerheimii</i> (Candeze, 1857) (= <i>Agraeus cuniculus</i> Candeze, 1874 = <i>Agraeus ritsemai</i> Candeze, 1883)	India

Name of the species	Distribution
14. <i>A. mayae</i> Vats & Kashyap, 1992	India : Haryana
15. <i>A. minusculus</i> (Candeze, 1874)	India : Bombay
16. <i>A. morniensis</i> Vats & Kashyap, 1992	India : Haryana
17. <i>A. nebulosa</i> (Candeze, 1857) (= <i>Lacon nebulosus</i> Candeze, 1857 = <i>Adelocera nebulosus</i> Fleutiaux 1926 = <i>Brachylacon nebulosus</i> Fleutiaux 1942)	Indes Orientales
18. <i>A. nitidus</i> (Candeze, 1857) (= <i>Pericus sanguinolentus</i> Candeze, 1893)	India : North India
19. <i>A. oberndorferi</i> (Schwarz, 1902)	India : Madras
20. <i>A. pentagonalus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
21. <i>A. rectangulosus</i> Vats & Kashyap, 1992	India : Haryana, Kurukshetra
22. <i>A. santali</i> (Fleutiaux, 1933)	India : Aiyur
23. <i>A. succinatus</i> (Candeze, 1890)	India : Bengal

*Lacon* Castelnau, 1836

1. <i>L. carinatus</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Haryana
2. <i>L. collisus</i> (Candeze, 1889)	India : Sikkim
3. <i>L. duchoni</i> (Schwarz, 1905)	India : Assam
4. <i>L. flavopilosus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
5. <i>L. insularis</i> (Candeze, 1889)	India : Andaman Islands
6. <i>L. kurukshetrensis</i> Vats & Kashyap, 1992	India : Haryana
7. <i>L. modestus</i> (Boisduval, 1835) (= <i>Elater costanidens</i> Gyllenhall, 1817 = <i>Agrypnus pruinosus</i> Fairmaire, 1849 (Jan.) = <i>Adelocera pruinosus</i> Fairmaire, 1849 (July) = <i>Adelocera modesta</i> var. <i>guadulpensis</i> Fleutiaux & Salle, 1890 = <i>Adelocera vicina</i> Candeze, 1891 = <i>Adelocera modesta</i> var. <i>tessellata</i> Candeze, 1893 = <i>Lacon vicinus</i> (Candeze) Hayak, 1973)	India : Orientali
8. <i>L. monticola</i> (Candeze, 1897)	Himalaya
9. <i>L. nigrofucus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
10. <i>L. olivieri</i> (Candeze, 1874)	India : Darjeeling
11. <i>L. robustus</i> (Fleutiaux, 1902)	Himalaya
12. <i>L. sanguineus</i> (Candeze, 1863)	Hindustan Septentrional
13. <i>L. sulcifrons</i> Candeze, 1893	India : Kanara

*Agrypnus* Eschscholtz, 1829

1. <i>A. abreptus</i> (Candeze, 1893)	India : Kanara, Belgaum & S. Bombay
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Name of the species	Distribution
2. <i>A. acristatus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
3. <i>A. aequalis</i> (Candeze, 1900)	India : Kashmir
4. <i>A. agrestis</i> Vats & Kashyap, 1992	India : Uttar Pradesh
5. <i>A. argentosquamus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
6. <i>A. arorai</i> Vats & Kashyap, 1992	India : Himachal Pradesh
7. <i>A. blackburni</i> (Fleutiaux) 1926 (= <i>Lacon duplex</i> Candeze 1897)	India : Sikkim
8. <i>A. boomensis</i> Vats & Kashyap, 1992	India : Uttar Pradesh
9. <i>A. brachychaetus</i> (Kollar, 1844)	India : Kashmir
10. <i>A. brunneipennis</i> (Candeze, 1857)	India : North India
11. <i>A. campestris</i> Vats & Kashyap, 1992	India : Uttar Pradesh
12. <i>A. coarctatus</i> (Candeze, 1874)	India : Himalaya
13. <i>A. concoloris</i> Vats & Kashyap, 1992	India : Rajasthan
14. <i>A. confertus</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Himachal Pradesh
15. <i>A. consobrinus</i> (Candeze, 1857)	India : Himachal Pradesh, Uttar Pradesh
16. <i>A. consors</i> (Candeze, 1874)	India : Madras
17. <i>A. costicollis</i> (Candeze, 1857)	India : Uttar Pradesh
18. <i>A. delesserti</i> (Candeze, 1882)	India : Neelgherries
19. <i>A. desquamatus</i> (Candeze, 1857)	India : (Indes Orientales)
20. <i>A. ellipticus</i> (Candeze, 1857) (= <i>Lacon propinquus</i> Candeze, 1857)	India : Himalaya
21. <i>A. furunculoides</i> (Candeze, 1857)	India : (Des Indes Orientales)
22. <i>A. fuscoluridus</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Haryana
23. <i>A. haedulus</i> (Candeze, 1857)	India : India border (Indes orientales boreales)
24. <i>A. holontelius</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Himachal Pradesh
25. <i>A. holosericeus</i> (Candeze, 1893)	India : Kanara
26. <i>A. impactinatus</i> Vats & Kashyap, 1992	India : Himachal Pradesh
27. <i>A. inflatus</i> (Candeze, 1897)	India : Mysore
28. <i>A. inlustris</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Rajasthan
29. <i>A. jacksoni</i> Vats & Kashyap, 1992	India : Uttar Pradesh
30. <i>A. jurulosus</i> (Candeze, 1889)	India : Sikkim, Himalaya
31. <i>A. kuluensis</i> Vats & Kashyap, 1992	India : Himachal Pradesh
32. <i>A. lapideus</i> (Candeze, 1857)	India : (Indes Orientales)
33. <i>A. lucidus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
34. <i>A. lupinosus</i> (Candeze, 1857)	India : Kurukshetra, Indes orientales boreales

Name of the species	Distribution
35. <i>A. lusitanus</i> (Candeze, 1890)	India : Chotanagpore
36. <i>A. malabaricus</i> Vats & Kashyap, 1992	India : Himachal Pradesh
37. <i>A. melancholicus</i> (Candeze, 1890)	India : Nagpore
38. <i>A. madrasensis</i> Vats & Kashyap, 1992	India : Uttar Pradesh
39. <i>A. modestus</i> (Candeze, 1857)	India : Dinapur
40. <i>A. muscosus</i> (Candeze, 1893)	India : Kanara, Belgaum
41. <i>A. mustellinus</i> (Germar, 1840) (= <i>Lacon birmanicus</i> Candeze, 1874)	India
42. <i>A. muticus</i> (Herbst, 1806)	India
43. <i>A. niger</i> (Schwarz, 1905)	India : Darjeeling
44. <i>A. oberndorferi</i> (Schwarz, 1902)	India : Madras
45. <i>A. planocarpus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
46. <i>A. planus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
47. <i>A. plantaferus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
48. <i>A. praetermissus</i> (Candeze, 1874)	Indes Orientales
49. <i>A. rajasthanensis</i> Vats & Kashyap, 1992	India : Rajasthan
50. <i>A. rameshi</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Himachal Pradesh
51. <i>A. repercussus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
52. <i>A. saltatus</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Himachal Pradesh
53. <i>A. scutellatus</i> (Candeze, 1857)	India : Uttar Pradesh
54. <i>A. serrula</i> (Candeze, 1857)	India border
55. <i>A. solanensis</i> Vats & Kashyap, 1992	India : Himachal Pradesh
56. <i>A. souslapisus</i> Vats & Kashyap, 1992	India : Himachal Pradesh
57. <i>A. spinaparamerus</i> Vats & Kashyap, 1992	India : Haryana
58. <i>A. squamafraxineus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
59. <i>A. sternoviridis</i> Vats & Kashyap, 1992	India : Uttar Pradesh
60. <i>A. striatulus</i> Vats & Kashyap, 1992	India : Rajasthan
61. <i>A. subargilus</i> Vats & Kashyap, 1992	India : Himachal Pradesh.
62. <i>A. subfaenum</i> Vats & Kashyap, 1992	India : Himachal Pradesh
63. <i>A. sublapideus</i> Vats & Kashyap, 1992	India : Uttar Pradesh
64. <i>A. substramentum</i> Vats & Kashyap, 1992	India : Uttar Pradesh
65. <i>A. thuligadensis</i> Vats & Kashyap, 1992	India : Uttar Pradesh
66. <i>A. torrefactus</i> (Candeze, 1857)	Indes Orientales
67. <i>A. tostus</i> (Candeze, 1857)	India : Uttar Pradesh, Haryana (Indes Orientales)
68. <i>A. transversus</i> (Candeze, 1857)	India : Uttar Pradesh
69. <i>A. triticumunsis</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Himachal Pradesh
70. <i>A. truncatus</i> (Herbst, 1806) (= <i>Lacon cylindricus</i> Candeze, 1857)	India : Chotanagpore
71. <i>A. tuberculatus</i> Vats & Kashyap, 1992	India : Uttar Pradesh



Name of the species	Distribution
72. <i>A. tuberosus</i> Vats & Kashyap, 1992	India : Uttar Pradesh, Himachal Pradesh, Rajasthan
73. <i>A. turbatus</i> (Candeze, 1893)	India : Bombay
74. <i>A. upadhyai</i> Vats & Kashyap, 1992	India : Uttar Pradesh
75. <i>A. variatus</i> (Candeze, 1890)	India : Chotanagpore
76. <i>A. vatsai</i> Vats & Kashyap, 1992	India : Himachal Pradesh
<i>Meristhus</i> Candeze, 1857	
1. <i>M. (Sulcimerus) quadripunctatus</i> Candeze, 1857	India border
2. <i>M. (Sulcimerus) indecorus</i> Candeze, 1892	India : Bengal, Barwai
3. <i>M. longicollis</i> Candeze, 1896	India : Bengal
4. <i>M. (M.) pistrinarius</i> Candeze, 1857	India : Bengal
5. <i>M. (Sulcimerus) ornatulus</i> Candeze, 1897	India : Bengal, Barwai
<i>Rismethus</i> Fleutiaux, 1947	
1. <i>R. pistrinarius</i> (Candeze, 1857)	India Border (Des Indes orientales)
<i>Lanelater</i> Arnett, 1952	
1. <i>L. aequalis</i> (Candeze, 1857)	India : (Des Indes orientales)
2. <i>L. afoveatus</i> Vats & Kashyap, 1993	India : Uttar Pradesh, Haryana
3. <i>L. andrewsi</i> (Candeze, 1893)	India : Belgaum S.
4. <i>L. attonitus</i> (Candeze, 1874)	India
5. <i>L. bartoni</i> (Fleutiaux, 1902)	India : Ajmer
6. <i>L. bipunctatus</i> (Candeze, 1857)	India : India border (published locality 'Sylhet')
7. <i>L. cinereus</i> (Candeze, 1857)	Des Indes Orientales
8. <i>L. densus</i> Vats & Kashyap, 1993	India : Uttar Pradesh
9. <i>L. funestus</i> (Candeze, 1857)	Des Indes Orientales
10. <i>L. fuscipes</i> (Fabricius, 1775)	India Orientali Koenig
11. <i>L. glabrosus</i> Vats & Kashyap, 1993	India : Uttar Pradesh, Haryana
12. <i>L. lucerus</i> Vats & Kashyap, 1993	India : Uttar Pradesh
13. <i>L. luridus</i> (Fabricius, 1781) (= <i>Agrypnus punctatus</i> Candeze, 1857 = <i>Agrypnus sondaicus</i> Candeze, 1857 = <i>Agrypnus moestus</i> Candeze, 1857 = <i>Agrypnus gilvus</i> Candeze, 1865)	India : Coromandal, Des Indes Orientales
14. <i>L. ocellatus</i> (Candeze, 1857)	India : Des Indes Orientales
15. <i>L. renardi</i> (Candeze, 1890)	India : Konbir

Name of the species	Distribution
16. <i>L. rufipes</i> (Candeze, 1874)	India : Pondicherry
17. <i>L. scutopentagonus</i> Vats & Kashyap, 1993	India : Uttar Pradesh
18. <i>L. tippooi</i> (Candeze, 1889)	India : Koimbatour
19. <i>L. tomestusus</i> (Fabricius, 1798)	India : Uttar Pradesh, India Orientali
20. <i>L. vishvai</i> Vats & Kashyap, 1993	India : Uttar Pradesh, Haryana
<i>Octocryptus</i> Candeze, 1892	
1. <i>O. babaulti</i> Fleutiaux, 1944	India : North India
2. <i>O. cardoni</i> Candeze, 1892	India : North India

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### SUMMARY

In the present paper an effort has been made for the first time to review the taxonomic development of the subfamily Agrypninae found in India. It includes 7 genera and 140 species. All the species of the subfamily Agrypninae so far described from India have been assigned to appropriate genera and a check-list is provided. Authors have tried to provide the exact locality of all the described species.

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