

## A CHECKLIST OF THE SCELIONIDAE (HYMENOPTERA: PLATYGASTROIDEA) OF INDIA

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The Hymenoptera is one of the most species rich orders, with about 10% of all known species of the terrestrial biota, of which 80% are parasitic placed under 10 superfamilies (Masner, 1993). The Platygastroidea which includes two families *viz.*, the Scelionidae and the Platygastridae, is the third largest of the parasitic superfamilies, with about 4460 described species worldwide. They are found virtually in all habitats except the polar regions and are particularly diverse and abundant in the wet forests of the tropics and subtropics (Austin *et al.*, 2005).

The Scelionidae are exclusively egg parasitoids, with a wide host array, with host-dependent morphological specialization. They show high specificity in host partitioning at tribal level (Galloway & Austin, 1983). Attributes like high searching ability, high reproductive rates and lack of hyperparasitoids place them as highly potential and promising biocontrol agents (Orr, 1988). There have been several suprageneric classifications for Scelionidae (Kieffer, 1926; Kozlov, 1970; Hellen, 1971; Masner, 1976, 1993). This study follows the classification by Masner (1993). Of the three scelionid subfamilies, the Telenominae, the Scelioninae and the Teleasinae, the first two are highly abundant, diverse and quite significant to agroecosystems. While the Lepidoptera and the Heteroptera are principal host groups for telenomines, the Orthoptera, the Heteroptera, the Coleoptera, the Odonata, the Mantodea and the arachnids form the major host assemblage of the Scelioninae. Not much is known on the host data of the Teleasinae, except that they are known to parasitize carabid eggs (Austin *et al.*, 2005).

Among the telenomines, the most important one from agricultural perspective is the genus *Telenomus* Haliday, with more than 600 species reported worldwide. In India, not much is known on the taxonomy of the scelionids in general, and *Telenomus* in particular. Being egg parasitoids of many lepidopteran stem-borers of a wide variety of crops including rice and sugarcane, *Telenomus* spp. gain substantial economic and ecological importance. Many genera of the Scelioninae are significant being egg parasitoids of the acridid grasshoppers, which often inflict serious crop losses worldwide.

The world catalogue on the Proctotruopoidea and the Platygastroidea by Johnson (1992) does not provide country-wise distribution data. Till date there exists no compiled list of the scelionid species of India. Hence, as a part of understanding the indigenous diversity of this important group, a checklist of the Scelionidae of India, with all available host data and

distributional records is presented in this paper.

The present checklist deals with 198 species under 43 genera in three subfamilies of the Scelionidae (34 genera in the Scelioninae, 3 and 6 genera in the Teleasinae and the Telenominae respectively). Only one genus, *Mudigere* Johnson is found to be endemic to India. More intensive and extensive surveys of the land are sure to yield further vital bioecological data on our indigenous egg-parasitoids that can provide new insights in utilizing these living resources more meaningfully in the biocontrol scenario of our agricultural sector.

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**Checklist of the Scelionidae of India****Subfamily: Telenominae****Genus Eumicrosoma Gahan, 1913****Eumicrosoma cumaeum (Nixon, 1938a)****Synonyms:** *Nardo cumaeus* Nixon, 1938a**Host:** Ex. eggs of *Macropus excavatus* on Sugarcane (Mani, 1941a)**Distribution:** Oriental Region. India: Haryana (Karnal); Delhi**Eumicrosoma phaeax (Nixon, 1938c)****Synonyms:** *Nardo phaeax* Nixon, 1938c**Host:** Ex. eggs of *Macropus excavatus* on Sugarcane (Mani, 1941a)**Distribution:** Oriental & Palearctic Regions. India: Punjab (Lyallpur); Haryana (Karnal); Delhi**Genus Mudigere Johnson, 1988****Mudigere bidentatus Johnson, 1988****Distribution:** Oriental Region. India: Karnataka (Mudigere)**Genus Paratenomus Dodd, 1914b****Paratenomus saccharalis (Dodd), 1914c****Synonyms:** *Telenomus saccharalis* Dodd, 1914c*Liophanurus saccharalis* (Dodd), in Kieffer, 1926**Distribution:** Oriental & Afrotropical (in Johnson & Masner, 1996). India: Karnataka (Bangalore, Mysore); Kerala (Malappuram: Calicut University campus, Idukki: Periyar WLS, Palghat: Walayar); Tamil Nadu (Valparai, Anaimalai Hills, Ootacamund)**Paratenomus striativentris (Risbec, 1950)****Synonyms:** *Microphanurus striativentris* Risbec, 1950*Archiphilurus striativentris* (Risbec) in Bin & Colazza, 1988**Distribution:** Afrotropical and Oriental Regions. India: Tamil Nadu (Ootacamund) (in Johnson & Masner, 1996)**Genus Psix Kozlov and Le, 1976****Psix abnormis Kozlov and Le, 1976****Distribution:** Oriental, Afrotropical & Palearctic Regions. India: Karnataka (Bangalore); Uttarpradesh (Aligarh); Tamil Nadu: (Coimbatore) (in Johnson & Masner, 1985)**Psix lacunatus Johnson and Masner, 1985****Distribution:** Oriental & Australian Regions. India: Tamil Nadu (Siruvani Forest)**Psix saccharicola (Mani, 1941b)****Synonyms:** *Telenomus saccharicola* Mani, 1941b**Distribution:** Oriental Region. India: New Delhi; Karnataka (Bangalore); Tamil Nadu (Coimbatore, Marudumalai, Mudumalai) (in Johnson & Masner, 1985)**Psix striaticeps (Dodd, 1920)****Synonyms:** *Telenomus striaticeps* Dodd, 1920*Microphanurus carinifrons* Fouts, 1934*Microphanurus striaticeps* (Dodd) in Nixon, 1935*Trissolcus foutsii* Masner, 1976*Trissolcus striaticeps* Dodd, in Masner, 1965*Aporophlebus striaticeps* Dodd in Mineo 1979**Distribution:** Afrotropical and Oriental Regions. India: New Delhi; Karnataka (Hogenakal); Tamil Nadu (Coimbatore) (in Johnson & Masner, 1985)**Psix viriosus Johnson and Masner, 1985****Distribution:** Oriental Region. India: Tamil Nadu (Coimbatore)**Genus Telenomus Haliday, 1833****Telenomus anwari Mani, 1939****Distribution:** Oriental. India: Delhi**Telenomus beneficiens (Zehntner, 1896)****Synonyms:** *Ceraphron beneficiens* Zehntner, 1896*Phanurus beneficiens* (Zehntner) in Dodd, 1914a**Host:** Ex. eggs of *Chilo infuscatellus*, *Chilo sacchariphagus*, *Scirphophaga nivella* on sugarcane (Narasimham et al., 1997)**Distribution:** Oriental and Palearctic Regions. India: Orissa (Bhubaneshwar); Karnataka (Mandy); Tamil Nadu (Cuddalore)

(Sambalpur), Andhra Pradesh (Eluru), Karnataka (Bangalore)

**Telenomus sagei Mani, 1936a****Distribution:** Oriental Region. India: Himachal Pradesh (Dharamsala)**Telenomus samueli (Mani, 1942)****Synonyms:** *Liophanurus samuelii* Mani, 1942**Host:** Ex. eggs of *Bagrada cruciferarum* (Mani & Sharma, 1982)**Distribution:** Oriental Region. India: Delhi**Telenomus sechellensis Kieffer, 1910****Synonyms:** *Microphanurus seychellensis* Kieffer, in Kieffer, 1926*Telenomus truncativentris* Dodd, 1920*Trissolcus seychellensis* (Kieffer), in Mani & Sharma 1982**Hosts:** Ex Eggs of *Antestiopsis cruciata* on Jasmine (Mani & Sharma, 1982); Ex Eggs of *Cantheconidea furcellata* in South Distribution- (Mani & Sharma, 1982)**Distribution:** Oriental & Afrotropical Region. India: Karnataka (Mysore), Tamil Nadu (Coimbatore)**Telenomus talaus Nixon, 1937b****Host:** Ex. Eggs of *Papilio* sp.**Distribution:** Oriental Region. India: Karnataka (Bangalore) (Examined in the collection at Project Directorate of Biological Control, Bangalore, Karnataka)**Telenomus transversiceps Nixon, 1940****Host:** Ex Eggs of *Tarucus theophrastus* on lac insects (in Mani & Sharma, 1982)**Distribution:** Oriental Region. India: Jharkhand (Ranchi: Namkum)**Genus Trissolcus Ashmead, 1893****Trissolcus barrowi (Dodd, 1920)****Host:** Ex. Eggs of Sphingid moth (in Mani & Sharma, 1982)**Distribution:** Oriental Region. India: Himachal Pradesh (Dalhousie)**Trissolcus carinifrons (Cameron, 1912)****Synonyms:** *Immsia carinifrons* Cameron (in Mani & Sharma, 1982)*Telenomus carinifrons* (Cameron) in Dodd, 1920*Microphanurus carinifrons* (Cameron) in Nixon, 1938**Distribution:** Oriental Region. India: Uttaranchal (Dehradun)**Trissolcus hyalinipennis Rajmohana & Narendran 2006****Synonyms:** *Allophanurus indicus* Subba Rao & Chacko, 1961**Host:** Ex. Eggs of *Bagrada cruciferarum* Kirkaldy**Distribution:** Oriental Region. India: New Delhi**Trissolcus indicus (Mani, 1936a)****Synonyms:** *Dissolcus indicus* Mani, 1936a**Distribution:** Oriental Region. India: West Bengal (Calcutta)**Trissolcus latisulcus (Crawford, 1913)****Synonyms:** *Trissolcus priapus* (Nixon), 1938a (in Mani & Sharma, 1982)**Distribution:** Oriental Region**Trissolcus nigrus Rajmohana & Narendran 2006****Synonyms:** *Microphanurus indicus* Narayanan & Kaur, 1959**Host:** Ex Eggs of *Plautia fimbriata***Distribution:** Oriental Region. India: New Delhi

***Trissolus orontes* (Nixon, 1935)**

Hosts: Ex eggs of an unidentified insect on Tiliaceae and Ex eggs of *Utetheisa pulchella* (in Mani & Sharma, 1982)

Distribution: Oriental and Afrotropical Regions. India: Maharashtra (Bombay)

**SUBFAMILY: TELEASINAE****Genus *Trimorus* Foerster, 1856*****Trimorus abbiculus* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Abbi Falls)

***Trimorus agraensis* Mukerjee, 1981**

Distribution: Oriental Region. India: Uttar Pradesh (Agra)

***Trimorus appangalus* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Appangala)

***Trimorus anamalaianus* Mukerjee, 1981**

Distribution: Oriental Region. India: Kerala: Idukki (Munnar-Kodaikanal Road)

***Trimorus atturensis* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Attur)

***Trimorus deccanus* Mukerjee, 1981**

Distribution: Oriental Region. India: Maharashtra (Mahabaleshwar)

***Trimorus dimidicornis* Mukerjee, 1981**

Distribution: Oriental Region. India: Kerala: Thiruvananthapuram (Neyyar WLS)

***Trimorus dubarensis* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Dubare)

***Trimorus dunensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh; Rudraprayag (Pauri)

***Trimorus fasciatus* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Maldare)

***Trimorus garhwaleensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Trimorus indicus* Mani, 1975**

Distribution: Oriental Region. India: Maharashtra (Mahabaleshwar: Panchgani Road)

***Trimorus khandalus* Mani, 1975**

Distribution: Oriental Region. India: Maharashtra (Poona: Khandala)

***Trimorus longispina* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Attur), Uttar Pradesh (Agra: Keetham)

***Trimorus maldara* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Maldare)

***Trimorus nigricephalus* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Attur)

***Trimorus nilamburensis* Mukerjee, 1981**

Distribution: Oriental Region. India: Kerala (Malappuram: Nilambur)

***Trimorus ponmudiensis* Mukerjee, 1981**

Distribution: Oriental Region. India: Kerala (Thiruvananthapuram: Ponmudi)

***Trimorus rishikeshensis* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Trimorus rudraprayagus* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttarakhand (Rudraprayag)

***Trimorus siwalikensis* Mani, 1975**

Distribution: Oriental Region. India: Uttarakhand (Siwalik: Chakrata Road)

***Trimorus tuberculatus* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Trimorus uttaranchalensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Trimorus (Neotrimorus) spinostriatus***

Rajmohana and Narendran, 1997

Distribution: Oriental Region. India: Kerala (Idukki: Anamudi)

***Trimorus (Neotrimorus) scutellospinosus***

Rajmohana and Narendran, 1997

Distribution: Oriental Region. India: Kerala (Wynad: Muthanga)

**Genus *Trisacantha* Ashmead, 1887*****Trisacantha indica* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

**Genus *Xenomerus* Walker, 1836*****Xenomerus indicus* Mukerjee, 1981**

Distribution: Oriental Region. India: Kerala (Thiruvananthapuram: Ponmudi)

***Xenomerus atomus* Rajmohana & Narendran, 2001**

Distribution: Oriental Region. India: Kerala (Calicut: Thiruvannur)

**SUBFAMILY: SCELIONINAE****Genus *Alloteleia* Kieffer, 1917*****Alloteleia bengalensis* Saraswat, 1978 (in Saraswat & Sharma 1978)**

Distribution: Oriental Region. India: West Bengal (Jaldapara Game Sanctuary)

**Genus *Anteris* Foerster, 1856*****Anteris brahmaranyus* (Mani, 1975)**

Synonyms: *Paratrimorus brahmaranyus* Mani, 1975

Distribution: Oriental Region. India: Maharashtra (Mahabaleshwar: Brahmaranya)

***Anteris indicus* Sharma, 1978 (in Saraswat & Sharma 1978)**

Distribution: Oriental, Palearctic and Afrotropical Regions. India: Maharashtra (Poona: Khandala)

**Genus *Anteromorpha* Dodd, 1913*****Anteromorpha deccanensis* Sharma, 1978 (in Saraswat & Sharma 1978)**

Distribution: Oriental Region. India: Maharashtra (Mahabaleshwar: Satara Road, Anjimali Road, Khajuraho: Harsa, Panna-Satra Road; Karnataka (Maldare, Burliar, Dubare); Himachal Pradesh: Dalhousie (Kalatop)

***Anteromorpha glabra* Sharma, 1982**

Distribution: Oriental Region. India: Karnataka (Maldare, Hudukeri)

***Anteromorpha malabarica* Narendran, 2001**

Distribution: Oriental Region. India: Kerala

(Malappuram: Calicut University Campus)

***Anteromorpha tuerculata* Sharma, 1980**

Distribution: Oriental Region. India: Maharashtra: (Khajuraho: Harsa)

**Genus *Baryconus* Foerster, 1856*****Baryconus bharatus* Saraswat, 1978 (in Saraswat & Sharma 1978)**

Distribution: Oriental Region. India: Kerala; North Bengal (in Mani & Sharma, 1982)

***Baryconus diversus* Saraswat, 1978 (in Saraswat & Sharma 1978)**

Distribution: Oriental Region. India: West Bengal (North Bengal, Satpura Range); Western Ghats

***Baryconus dunensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Baryconus gravelyi* (Mani, 1936b)**

Synonyms: *Hoploteleia gravelyi* Mani, 1936b

Distribution: Oriental Region. India: Tamil Nadu (Coimbatore, Madras), Orissa (Cuttack) (in Mani & Sharma, 1982)

***Baryconus keralensis* Narendran, 2001**

Distribution: Oriental Region. India: Kerala (Palghat: Attappady; Malappuram: Nilambur)

***Baryconus marattus* Mani, 1975**

Distribution: Oriental Region. India: Maharashtra (Poona: Khandala)

***Baryconus unidentatus* Narendran, 2001**

Distribution: Oriental Region. India: Kerala (Malappuram: Calicut University Campus, Palghat (Anakkatty, Chindagi), Kannur (Peravore, Nedumpoil)

***Calliscelio* Ashmead, 1893*****Calliscelio agaliensis* Narendran and Ramesh Babu, 1996-97**

Distribution: Oriental Region. India: Kerala (Palghat: Agali)

***Calliscelio carinatus* Narendran and Ramesh Babu, 1996-97**

Distribution: Oriental Region. India: Kerala (Malappuram: Calicut University Campus)

***Calliscelio coorgensis* Sharma, 1981**

Distribution: Oriental Region. India: Kerala (Palghat: Walayar Forest)

***Calliscelio coromandelensis* Sharma, 1978 (in Saraswat & Sharma 1978)**

Distribution: Oriental Region. India: Tamil Nadu (Thanjavur)

***Calliscelio emarginatus* Narendran and Ramesh Babu, 1996-97**

Distribution: Oriental Region. India: Kerala (Malappuram: Calicut University Campus)

***Calliscelio indicus* Narendran and Ramesh Babu, 1996-97**

Distribution: Oriental Region. India: Kerala (Malappuram: Calicut University Campus, Karimpuzha)

***Calliscelio longicarinatus* Narendran and Ramesh Babu, 1996-97**

Distribution: Oriental Region. India: Kerala (Malappuram: Chandakunnu, Calicut University Campus)

***Calliscelio malabaricus* Narendran and Ramesh Babu, 1996-97**

Distribution: Oriental Region. India: Kerala (Malappuram: Chandakunnu)

***Calliscelio orientalis* Sharma, 1981**

Distribution: Oriental Region. India: Karnataka (Attur, Maldare, Dubare), Kerala (Idukki: Moozhiyar, Achankovil, Cardamom Hills); West Bengal: Raja Bhat Khawa, Kausani: Kumaon

**Genus *Calotelea* Westwood, in Hope 1837*****Calotelea auriventris* Sharma, 1978**

Distribution: Oriental Region. India: Kerala: Kerala-Tamil Nadu border (Shencotah Gap)

***Calotelea cameroni* (Masner, 1965)**

Synonyms: *Calotelea rufipes* Cameron, 1912

*Pegotelia rufipes* Kieffer, in Kieffer, 1926

*Probaryconus cameroni* Masner, 1965

Distribution: Oriental Region. India: Uttaranchal (Dehradun)

***Calotelea immaculata* Sharma, 1981**

Distribution: Oriental Region. India: Tamil Nadu (Kollimalai Hills: Eastern Ghats)

***Calotelea indica* Mani, 1975**

Distribution: Oriental Region. India: Maharashtra: Mahabaleshwar: Brahmaranya

***Calotelea tanugatra* Narendran, 1998**

Distribution: Oriental Region. India: Kerala (Malappuram: Calicut University Campus)

**Genus *Ceratobaeus* Ashmead, 1893*****Ceratobaeus cholakadensis* Mukerjee, 1978**

Distribution: Oriental Region. India: Tamil Nadu (Kollimalai Hills)

***Ceratobaeus dunensis* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttaranchal (Dehradun: Rishikesh)

***Ceratobaeus flavidicolor* Mukerjee, 1978**

Distribution: Oriental Region. India: Uttar Pradesh (Agra)

***Ceratobaeus gangnaniensis* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttaranchal (Uttarkashi: Gangnani)

***Ceratobaeus nigrituberculatus* Mukerjee, 1978**

Distribution: Oriental Region. India: Uttar Pradesh (Agra)

***Ceratobaeus peninsularis* Mani & Mukerjee, 1976**

Distribution: Oriental Region. India: Maharashtra (Thana Hills: Krishnagiri-Bombay)

***Ceratobaeus rishikeshensis* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttaranchal (Dehradun: Rishikesh)

***Ceratobaeus unifasciatus* Mani & Mukerjee, 1976**

Distribution: Oriental Region. India: Maharashtra (Thana Hills: Krishnagiri-Bombay)

**Genus *Cremastobaeus* Ashmead, 1893*****Cremastobaeus indicus* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttaranchal (Dehradun: Rishikesh; Bhaniawala)

***Genus Dichoteleas* Kieffer, 1907*****Dichoteleas indicus* Sharma, 1981**

Distribution: Oriental Region. India: Kerala: Idukki (Moozhiyar: Cardamom forest)

**Genus *Dicroscelio* Kieffer, 1913c**

(In Johnson, N.F. 2006. <http://atbi.biosci.ohio-state.edu:210/hymenoptera/eol/scelionidae.home>), accessed on 10/5/06

Distribution: Oriental and Afrotropical regions. India: Uttarpradesh (Lucknow).

**Genus *Doddiella* Kieffer, 1913b*****Doddiella indica* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Doddiella nigriceps* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

**Genus *Duta* Nixon, 1933*****Duta indica* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttarakhand (Chamoli: Agasthyamuni, Tehri: Deoprayag)

**Genus *Encyrtoscelio* Dodd, 1914b*****Encyrtoscelio apterus* (Szelenyi), 1941**

Synonyms: *Pachyscelidiris aptera* Szelenyi, 1941

Distribution: Oriental Region. India: New Delhi

**Genus *Fusicornia* Risbec, 1950*****Fusicornia indica* Mani & Sharma, 1980**

Distribution: Oriental Region. India: Maharashtra (Khajuraho: Habra, Pandva Falls)

***Fusicornia tehrii* Mukerjee, 1993**

Distribution: Oriental Region. India: Uttarakhand (Tehri: Narendra Nagar)

**Genus *Gryon* Haliday, 1833*****Gryon diadematis* Mineo, 1983**

Host: Ex. Eggs on Heteroptera on Teak leaf

Distribution: Oriental Region. India: Uttarakhand (Dehradun)

***Gryon fulviventre* (Crawford, 1912)**

Synonyms: *Hadronotus fulviventris* Crawford, 1912

*Hadronotus antestiae* Dodd, 1920

*Hadronotus gnidius* Nixon, 1934b

*Gryon tico* Mineo & Szabo, 1978a

*Gryon antestiae* (Dodd) in Masner, 1965

*Gryon terraesantae* Mineo & Szabo, 1978b

Host: Ex. eggs of *Antestiopsis cruciata* on Jasmine

Host: Ex. eggs of *Nezara viridula*

Host: Ex eggs of *Clavigralla gibbosa*

Distribution: Oriental Region. India: Karnataka (Hogenakkal, Mysore, Bangalore), Uttar Pradesh (Golagokaranath), Tamil Nadu (Thanjavur), Kerala (Malappuram, Idukki: Achankovil: Cardamom hills

***Gryon gonikopalensis* Sharma, 1982**

Distribution: Oriental Region. India: Karnataka (Gonikopal)

***Gryon hogenakalensis* Sharma, 1982**

Distribution: Oriental Region. India: Karnataka (Hogenakkal), Kerala (Mallappuram, Idukki: Achankovil: Cardamom Hills)

***Gryon indicum* (Subba Rao & Chacko, 1962)**

Synonyms: *Hadrophanurus indicus* Subba Rao & Chacko, 1962

Distribution: Oriental Region. India: New Delhi

***Gryon krishnagiriensis* Sharma, 1981**

Distribution: Oriental Region. India: Maharashtra (Thana hills, Bombay); Tamil Nadu (Parikatti); Karnataka (Mudigeri)

***Gryon montanum* (Kieffer, 1906)**

Synonyms: *Hadronotus montanus* Kieffer, 1906

*Psiloteleia montanus* Kieffer, 1926

Distribution: Oriental Region. India: Maharashtra (Bombay)

***Gryon mudugeriensis* Sharma, 1981**

Distribution: Oriental Region. India: Karnataka (Mudigeri); Tamil Nadu (Thanjavur)

***Gryon nigrooides* (Subba Rao & Chacko, 1962)**

Distribution: Oriental Region. India: New Delhi

***Gryon philippinense* (Ashmead, 1904)**

Synonyms: *Hadronotus philippinensis* Ashmead, 1904

*Hadronotus homoeoceri* Nixon, 1934a

Distribution: Oriental Region. India: Kerala: Thiruvananthapuram (Ponmudi) (in Sharma, 1982)

***Gryon testaceum* (Subba Rao & Chacko, 1962)**

Synonyms: *Hadrophanurus testaceus* Subba Rao & Chacko, 1962

Distribution: Oriental Region. India: New Delhi

***Habroteleia* Kieffer, 1905**

*Habroteleia bharatensis* Saraswat in Sarawat & Sharma 1978

Distribution: Oriental Region. India: Kerala: Idukki (Cardamom Hills); West Bengal

***Habroteleia kotturensis* (Sharma, 1981)**

Synonyms: *Triteleia kotturensis* Sharma, 1981

Distribution: Oriental Region. India: Kerala: Erstwhile Travancore (Kottur, Mannamoola, Thenmalai, Mylamood)

***Habroteleia vindhiensis* (Sharma, 1981)**

Synonyms: *Triteleia vindhiensis* Sharma, 1981

Distribution: Oriental Region. India: Maharashtra (Panna-Satna Road)

***Heptascelio* Kieffer, 1916*****Heptascelio punctisternus* Narendran, 1996**

Distribution: Oriental Region. India: Kerala (Malappuram: Calicut University Campus)

***Heptascelio striatosternus* Narendran, 1996**

Distribution: Oriental Region. India: Kerala (Palghat: Kuriarkutty, Alleppey (Vayalar)

***Holoteleia* Kieffer, 1908*****Holoteleia indica* (Mani, 1975)**

Distribution: Oriental Region. India: Maharashtra: Poona (Khandala)

***Idris* Foerster, 1856*****Idris agraensis* Mukerjee, 1981**

Distribution: Oriental Region. India: Uttar Pradesh (Agra)

***Idris appangalus* Mukerjee, 1981**

Distribution: Oriental Region. India: Karnataka (Coorg: Appangala)

***Idris annexia* Mukerjee, 1981**

Distribution: Oriental Region. India: Uttar Pradesh (Agra)

***Idris brachystigmatis* (Mani & Mukerjee, 1976)**

Synonyms: *Gryon brachystigmatis* Mani & Mukerjee, 1976

Distribution: Oriental Region. India: Karnataka (Mercara); Kerala (Idukky: Moozhiyar-Thekkady road, Moozhiyar: Cardamom Hills, Malappuram: Nilambur)

***Idris brevifunicularis* (Mani & Mukerjee, 1976)**

Synonyms: *Gryon brevifunicularis* Mani & Mukerjee, 1976

Distribution: Oriental Region. India: Kerala (Thiruvananthapuram: Ponmudi)

***Idris chotanagpurensis* (Mani & Mukerjee, 1976)**

**Synonyms:** *Gryon chotanagpurensis* Mani & Mukerjee, 1976

**Distribution:** Oriental Region. India: Bihar (Chotanagpur: Kuru)

***Idris coorgensis* (Mani & Mukerjee, 1976)**

**Synonyms:** *Gryon coorgensis* Mani & Mukerjee, 1976

**Distribution:** Oriental Region. India: Karnataka (Gonikopal, Appangala)

***Idris dubarensis* Mukerjee, 1981**

**Distribution:** Oriental Region. India: Karnataka (Dubare)

***Idris dunensis* (Mani, 1975)**

**Synonyms:** *Gryon dunensis* Mani, 1975

**Distribution:** Oriental Region. India: Uttaranchal (Dehradun: Rishikesh)

***Idris hunnabeus* (Mani, 1973)**

**Synonyms:** *Pseudobaeus hunnabeus* Mani, 1973

**Host:** Ex. eggs of jumping spider, *Plexippus kaykulli*

**Distribution:** Oriental Region. India: Tamil Nadu (Madras)

***Idris keethami* Mukerjee, 1981**

**Distribution:** Oriental Region. India: Uttar Pradesh (Agra: Keetham)

***Idris khandalus* Mukerjee, 1978**

**Distribution:** Oriental Region. India: Maharashtra (Poona: Khandala)

***Idris kuruanus* (Mani & Mukerjee, 1976)**

**Synonyms:** *Gryon kuruanus* Mani & Mukerjee, 1976

**Distribution:** Oriental Region. India: Bihar (Chotanagpur: Kuru)

***Idris lakshmani* (Mani, 1939)**

**Synonyms:** *Dissolcus lakshmani* Mani, 1939

**Host:** Ex eggs of spiders on sugarcane leaf

**Distribution:** Oriental Region. India: Delhi

***Idris linapteris* Mukerjee, 1978**

**Distribution:** Oriental Region. India: Kerala (Idukki: Moozhiyar: Cardamom Hills)

***Idris longituberculatus* (Mukerjee, 1981)**

**Synonyms:** *Ceratobaeus longituberculatus* Mukerjee, 1981

**Distribution:** Oriental Region. India: Karnataka (Maldare)

***Idris malabaricus* (Mani & Mukerjee, 1976)**

**Synonyms:** *Gryon malabaricus* Mani & Mukerjee, 1976

**Distribution:** Oriental Region. India: Kerala: (Idukki: Moozhiyar: Cardamom Hills); Maharashtra (Krishnagiri-Bombay, Thana Hills)

***Idris marattensis* (Mani & Mukerjee, 1976)**

**Synonyms:** *Odontacolus marattensis* Mani & Mukerjee, 1976

*Ceratobaeus marattensis* Mani & Mukerjee, 1976 in Mani & Sharma, 1982

**Distribution:** Oriental Region. India: Maharashtra (Mahabaleshwar: Lingmala waterfalls)

***Idris munnairensis* Mukerjee, 1978**

**Distribution:** Oriental Region. India: Kerala (Idukki: Munnar)

***Idris mysorensis* Mukerjee, 1978**

**Distribution:** Oriental Region. India: Karnataka (Mysore, Bandipur)

***Idris obfuscatus* (Mani & Mukerjee, 1976)**

**Synonyms:** *Gryon obfuscatus* Mani & Mukerjee, 1976

**Distribution:** Oriental Region. India: Maharashtra:

(Poona: Singar Fort); Tamil Nadu: (Papanasam: Shencotah gap)

***Idris sanctijohani* Mukerjee, 1981**

**Distribution:** Oriental Region. India: Uttar Pradesh (Agra), Uttarakhand (Dehradun: Rishikesh, Tehri: Bhaldiyana)

***Idris sayadreus* (Mani and Mukerjee, 1976)**

**Synonyms:** *Gryon sayadreus* Mani and Mukerjee, 1976

**Distribution:** Oriental Region. India: Kerala (Kasargod), Maharashtra (Thana Hills, Krishnagiri-Bombay), Himachal Pradesh (Dalhousie: Kalatop)

***Idris stigmaticus* (Mani & Mukerjee, 1976)**

**Synonyms:** *Gryon stigmaticus* Mani and Mukerjee, 1976

**Distribution:** Oriental Region. India: Karnataka (Mudigere)

***Idris triangularis* Mukerjee, 1981**

**Distribution:** Oriental Region. India: Karnataka: Coorg (Thalacauvery)

***Idris velakkadaiensis* Mukerjee, 1981**

**Distribution:** Oriental Region. India: Tamil Nadu (Yercaud: Velakkadai (Eastern Ghats))

**Genus *Leptoteleia* Kieffer, 1908*****Leptoteleia bengalensis* Saraswat, 1982**

**Distribution:** Oriental Region. India: West Bengal (Alipur Duar, Hasimara)

***Leptoteleia peninsularis* Saraswat, 1982**

**Distribution:** Oriental Region. India: Tamil Nadu (Parikkati hills: Walayar forest), Kerala (Nilambur: Malappuram)

**Genus *Macroteleia* Westwood, 1835*****Macroteleia boriviliensis* Sharma, 1982**

**Distribution:** Oriental Region. India: Maharashtra (Bombay: Borivili)

***Macroteleia chandeli* Sharma, 1980**

**Distribution:** Oriental Region. India: Maharashtra (Khajuraho: Harsa)

***Macroteleia dolichopa* Sharma, 1980**

**Distribution:** Oriental Region. India: Maharashtra (Khajuraho, Harsa, Pandya Falls)

***Macroteleia indica* Sharma, 1978** (in Saraswat & Sharma 1978)

**Distribution:** Oriental Region. India: Uttarakhand: Dehradun (Rishikesh); West Bengal: Alipur Duar (Hasimara); Kerala: Idukki (Moozhiyar), Palghat (Walayar); Karnataka (Maldare, Dubare)

***Macroteleia lamba* Saraswat, 1978** (in Saraswat & Sharma 1978)

**Distribution:** Oriental Region. India: West Bengal (Raja Bhat Khawa: Hasimara); Kerala (Kasargod); Uttarakhand (Dehradun: Rishikesh)

***Macroteleia livingstoni* Sharma, 1982**

**Distribution:** Oriental Region. India: Kerala (Walayar Forest)

**Genus *Microthoron* Masner, 1972*****Microthoron dunensis* Mukerjee, 1994**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Microthoron indica* (Mukerjee, 1978)**

*Acolomorpha indica* Mukerjee, 1978

**Distribution:** Oriental Region. India: West Bengal (Poro North)

**Genus *Mirotelenomus* Dodd, 1913*****Mirotelenomus indicus* Mukerjee, 1994**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

**Genus *Neoscelio* Dodd, 1913*****Neoscelio orientalis* Mukerjee, 1994**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Opisthacantha* Ashmead, 1893*****Opisthacantha bengalensis* Sharma, 1978**

**Distribution:** Oriental Region. India: West Bengal (Alipur Duar: Hasimara)

***Opisthacantha dunensis* Mukerjee, 1994**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Opisthacantha indica* Mani, 1975**

**Distribution:** Oriental Region. India: Maharashtra (Mahabaleshwar: Brahmaranya)

***Opisthacantha keralensis* Sharma, 1978**

(in Saraswat & Sharma, 1978)

**Distribution:** Oriental Region. India: Kerala

**Genus *Oxyteleia* Kieffer, 1908*****Oxyteleia panchganii* (Mani, 1975)**

**Synonyms:** *Dilapitha panchaganii* Mani, 1975

**Distribution:** Oriental Region. India: Maharashtra (Panchgani)

***Palpoteleia* Kieffer, 1926*****Palpoteleia indica* Mukerjee, 1994**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh, Chamoli: Agasthyamuni)

***Paridris* Kieffer, 1908*****Paridris coorgensis* Sharma (in Saraswat & Sharma, 1978)**

**Distribution:** Oriental Region. India: Karnataka (Appangala)

***Paridris dubeyi* Sharma 1982**

**Distribution:** Oriental Region. India: Karnataka (Attur)

***Paridris dunensis* Mukerjee, 1994**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Paridris karnatakensis* Sharma, 1982**

**Distribution:** Oriental Region. India: Karnataka (Maldare, Hudukeri, Attur)

***Paridris mahadeoensis* Sharma (in Saraswat & Sharma, 1978)**

**Distribution:** Oriental Region. India: Madhya-pradesh (Pachmari: Panarpani)

***Paridris pachmarhicus* (Sharma, 1978)**

**Synonyms:** *Probaryconus pachmarhicus* Sharma, 1978 (in Saraswat & Sharma, 1978)

**Distribution:** Oriental Region. India: Madhya-pradesh (Pachmarhi: Dhupgarh)

**Genus *Platyscelio* Kieffer, 1905*****Platyscelio abnormis* Crawford, 1910**

**Distribution:** Oriental Region. India: Kerala (Malappuram: Calicut University Campus)

***Platyscelio dunensis* Mukerjee 1993**

**Distribution:** Oriental Region. India: Uttarakhand (Dehradun: Rishikesh)

***Platyscelio punctatus* Kieffer, 1913a**

**Distribution:** Oriental Region. India: Orissa (Puri)

***Platyscelio pulchricornis* Kieffer, 1905**

Distribution: Australian and Oriental Regions

Host: Ex. Orthopteran egg on paddy leaf from Mandya

Ex. Eggs of *Tryporyza incertulas* from Bhuvaneshwar

Distribution: India: Karnataka (Mandy); Orissa (Bhuvaneshwar) (Examined in the collection at Project Directorate of Biological Control, Bangalore, Karnataka)

**Genus *Probaryconus* Kieffer, 1908*****Probaryconus cauverycus* Saraswat, 1978** (in Saraswat & Sharma, 1978)

Distribution: Oriental Region. India: Karnataka (Maldare, Thalacauvery)

***Probaryconus dunensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttaranchal: Dehradun: Rishikesh

***Probaryconus garhwaleensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttaranchal (Dehradun: Rishikesh)

***Probaryconus khajjiarus* (Mani, 1975)**Synonyms: *Amblyconus khajjiarus* Mani, 1975

Distribution: Oriental Region. India: Himachal Pradesh (Dalhousie: Khajjiar)

**Genus *Psilanteris* Kieffer, 1916*****Psilanteris indica* Mani, 1975**

Distribution: Oriental Region. India: Maharashtra (Mahabaleshwar)

***Psilanteris uttaranchalensis* Mukerjee, 1994**

Distribution: Oriental Region. India: Uttaranchal (Dehradun: Rishikesh)

**Genus *Scelio* Latreille, 1805*****Scelio bengalensis* Mukerjee, 1979**

Distribution: Oriental Region. India: Kerala (Malappuram: Nilambur); West Bengal (Poro north)

***Scelio calcuttaensis* Mani, 1936a**

Distribution: Oriental Region. India: Uttarakhand (Chamoli: Agasthyamuni)

***Scelio dhupgarhi* Mukerjee, 1979**

Distribution: Oriental Region. India: Madhya Pradesh (Pachmarhi: Dhupgarh)

***Scelio horai* Mani, 1936a**

Distribution: Oriental Region. India: Jharkhand (Chakradharpur)

***Scelio mallaupura* Mukerjee, 1979**

Distribution: Oriental Region. India: Kerala (Malappuram)

***Scelio munnaricus* Mukerjee, 1979**

Distribution: Oriental Region. India: Kerala (Idukki: Munnar)

***Scelio nilamburensis* Mukerjee, 1979**

Distribution: Oriental Region. India: Kerala (Malappuram: Nilambur)

***Scelio paivai* Mani, 1936a**

Distribution: Oriental Region. Collected on Board Ship 10 miles off Coconada, Madras Presidency

***Scelio satpurus* Mukerjee, 1979**

Distribution: Oriental Region. India: Madhya Pradesh (Pachmarhi: Panarpani, Dhupgarh); Kerala (Malappuram: Nilambur); Maharashtra (Bombay: Borivili)

***Scelio spinifera* Mukerjee, 1979**

Distribution: Oriental Region. India: Kerala (Idukki: Moozhiyar: Cardamom hills)

***Scelio travancoricus* Mukerjee, 1979**

Distribution: Oriental Region. India: Kerala (Thiruvananthapuram: Ponmudi), Idukki (Moozhiyar: Cardamom Hills)

**Genus *Sceliocerdo* Muesebeck, 1972*****Sceliocerdo viatrix* (Brues, 1917)**Synonyms: *Lepidoscelio viatrix* Brues, 1917

Distribution: Oriental Region. Southern India

Host: Ex. eggs of grasshopper, *Colemania sphenarooides***Genus *Sparasion* Latreille, 1802*****Sparasion travancoricus* Mani & Sharma, 1980**

Distribution: Oriental Region. India: Kerala (Thiruvananthapuram: Ponmudi, Kollar)

**List of Generic and Specific transfers in the Scelionidae of India****Subfamily Telenominae***Aholcus euproctiscidis* Mani, to ***Telenomus euproctiscidis* (Mani, 1939)***Allophanurus indicus* Subba Rao & Chacko to ***Trissolcus hyalinipennis*****Rajmohana & Narendran***Aporophlebus striaticeps* Dodd to ***Psix striaticeps* (Dodd, 1920)***Archiphanurus striativentris* (Risbec) to ***Paratelenomus striativentris* (Risbec, 1950)***Ceraphron beneficium* Zehntner to ***Telenomus beneficium* (Zehntner, 1896)***Dissolcus indicus* Mani to ***Trissolcus indicus* (Mani, 1936)***Immsia carinifrons* Cameron to ***Trissolcus carinifrons* (Cameron, 1912)***Liophanurus saccharalis* (Dodd) to ***Paratelenomus saccharalis* (Dodd, 1914c)***Liophanurus samuelii* Mani to ***Telenomus samuelii* (Mani, 1942)***Microphanurus carinifrons* (Cameron) to ***Trissolcus carinifrons* (Cameron, 1912)***Microphanurus carinifrons* Fouts to ***Psix striaticeps* (Dodd, 1920)***Microphanurus indicus* Narayanan & Kaur to ***Trissolcus nigrus* Rajmohana & Narendran***Microphanurus seychellensis* Kieffer to ***Telenomus seychellensis* (Kieffer, 1910)***Microphanurus striaticeps* (Dodd) to ***Psix striaticeps* (Dodd, 1920)***Microphanurus striativentris* Risbec to ***Paratelenomus striativentris* (Risbec, 1950)***Nardo cumaeus* Nixon to ***Eumicrosoma cumaeum* (Nixon, 1938a)***Nardo phaeax* Nixon to ***Eumicrosoma phaeax* (Nixon, 1938c)***Phanurus beneficium* (Zehntner) to ***Telenomus beneficium* (Zehntner, 1896)***Phanurus dignus* Gahan to ***Telenomus dignus* (Gahan, 1925)***Phanurus rowani* Gahan to ***Telenomus rowani* (Gahan, 1925)***Telenomus carinifrons* (Cameron) to ***Trissolcus carinifrons* (Cameron, 1912)***Telenomus saccharalis* Dodd to ***Paratelenomus saccharalis* (Dodd, 1914c)***Telenomus saccharicola* Mani to ***Psix saccharicola* (Mani, 1941b)***Telenomus striaticeps* Dodd to ***Psix striaticeps* (Dodd, 1920)***Telenomus truncativentris* Dodd to ***Telenomus seychellensis* (Kieffer, 1910)***Trissolcus foutsii* Masner to ***Psix striaticeps* (Dodd, 1920)***Trissolcus priapus* (Nixon) to ***Trissolcus latiusculus* (Crawford, 1913)***Trissolcus seychellensis* (Kieffer) to ***Telenomus seychellensis* (Kieffer, 1910)***Trissolcus striaticeps* Dodd to ***Psix striaticeps* (Dodd, 1920)****Subfamily: Scelioninae***Acolomorpha indica* Mukerjee to ***Microthoron indica* (Mukerjee, 1978)***Amblyconus khajjiarus* Mani to ***Probaryconus khajjiarus* (Mani, 1975)***Baryconus (Holoteleia) indica* Mani to ***Holoteleia indica* (Mani, 1975)***Calotela rufipes* Cameron to ***Calotela cameroni* (Masner, 1965)***Ceratobaeus longituberculata* Mukerjee to ***Idris longituberculatus* (Mukerjee, 1981)***Ceratobaeus marattensis* Mani & Mukerjee to ***Idris marattensis* (Mani & Mukerjee, 1976)***Dilapitha panchganiim* Mani to ***Oxyteleia panchgani* (Mani, 1975)***Dissolcus lakshmani* Mani to ***Idris lakshmani* (Mani, 1939)***Gryon coorgensis* Mani & Mukerjee to ***Idris coorgensis* (Mani & Mukerjee, 1976)***Gryon antestiae* (Dodd) in Masner to ***Gryon fulviventre* (Crawford, 1912)***Gryon brachystigmatis* Mani & Mukerjee to ***Idris brachystigmatis* (Mani & Mukerjee, 1976)***Gryon brevifunicularis* Mani & Mukerjee to ***Idris brevifunicularis* (Mani & Mukerjee, 1976)***Gryon chotanagpurensis* Mani & Mukerjee to ***Idris chotanagpurensis* (Mani & Mukerjee, 1976)***Gryon dunensis* Mani to ***Idris dunensis* (Mani, 1975)***Gryon kuruwanus* Mani & Mukerjee to ***Idris kuruwanus* (Mani & Mukerjee, 1976)***Gryon malabaricus* Mani & Mukerjee to ***Idris malabaricus* (Mani & Mukerjee, 1976)***Gryon obfuscatus* Mani & Mukerjee to ***Idris obfuscatus* (Mani & Mukerjee, 1976)***Gryon sayadreus* Mani & Mukerjee to ***Idris sayadreus* (Mani and Mukerjee, 1976)***Gryon stigmaticus* Mani & Mukerjee 1976 to ***Idris stigmaticus* (Mani & Mukerjee, 1976)***Gryon terraesanctae* Mineo & Szabo to ***Gryon fulviventre* (Crawford, 1912)***Gryon tico* Mineo & Szabo to ***Gryon fulviventre* (Crawford, 1912)***Hadronotus antestiae* Dodd to ***Gryon fulviventre* (Crawford, 1912)***Hadronotus fulviventris* Crawford to ***Gryon fulviventre* (Crawford, 1912)***Hadronotus gnidus* Nixon to ***Gryon fulviventre* (Crawford, 1912)***Hadronotus homoeoceri* Nixon to ***Gryon philippinense* (Ashmead, 1904)***Hadronotus montanus* Kieffer to ***Gryon montanum* (Kieffer, 1906)***Hadronotus philippinensis* Ashmead to ***Gryon philippinense* (Ashmead, 1904)***Hadrophanurus indicus* Subba Rao & Chacko, to ***Gryon indicum* (Subba Rao & Chacko, 1962)***Hadrophanurus testaceus* Subba Rao & Chacko to ***Gryon testaceum* (Subba Rao & Chacko, 1962)***Hoploteleia gravelyi* Mani to ***Baryconus gravelyi* (Mani, 1936b)***Lepidoscelio viatrix* Brues to ***Sceliocerdo viatrix* (Brues, 1917)***Odontacolus marattensis* (Mani & Mukerjee) to ***Idris marattensis* (Mani & Mukerjee, 1976)***Pachyscelidiris aptera* Szelenyi to ***Encyrtoscelio apterus* (Szelenyi, 1941)**

- Paratrimorus brahmaranyus** to **Anteris brahmaranyus** (Mani, 1975)  
**Pegotelia rufipes** Kieffer to **Calotelea cameroni** (Masner, 1965)  
**Probaryconus cameroni** Masner to **Calotelea cameroni** (Masner, 1965)  
**Probaryconus pachmaricus** Sharma to **Paridris pachmaricus** (Sharma 1978)  
**Pseudobaeus hunnabeus** Mani to **Idris hunnabeus** (Mani, 1973)  
**Psiloteleia montanus** Kieffer to **Gryon montanum** (Kieffer, 1906)  
**Triteleia kotturensis** Sharma to **Habroteleia kotturensis** (Sharma, 1981)  
**Triteleia vindhiensis** Sharma to **Habroteleia vindhiensis** (Sharma, 1981)
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