

Lasioseius matthyssei Chant, 1963

(Fig. 9.3.)

CHANT, D. A. (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – Can. J. Zool. **41**: 243 – 305

Holotype: Canadian National Collection of Insects and Arachnida, Ottawa (Canada)

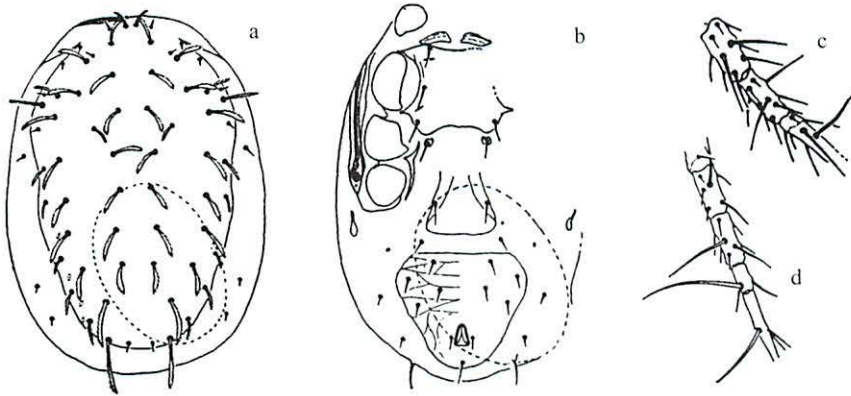


Fig. 9.3. **Female:** a dorsal, b ventral, c leg III, d leg IV (a – d CHANT 1963)

Lasioseius confusus Evans, 1958

(Figs 9.4.1. – 9.4.2.)

EVANS, G. O. (1958): A revision of the British Aceosejinae (Acarina, Mesostigmata). – Proc. zool. Soc. Lond. **131** (2): 177 – 229

Holotype: Canadian National Collection of Insects and Arachnida, Ottawa (Canada)

Synonym: *Platyseius nidus* Pinchuk, 1972

Neue Arten gamasider Milben (Parasitiformes, Gamasoidea). [Orig. Russ.] – Izv. Akad. Nauk Moldav. SSR, Ser. biol. i chem. nauki **3**: 60 – 71

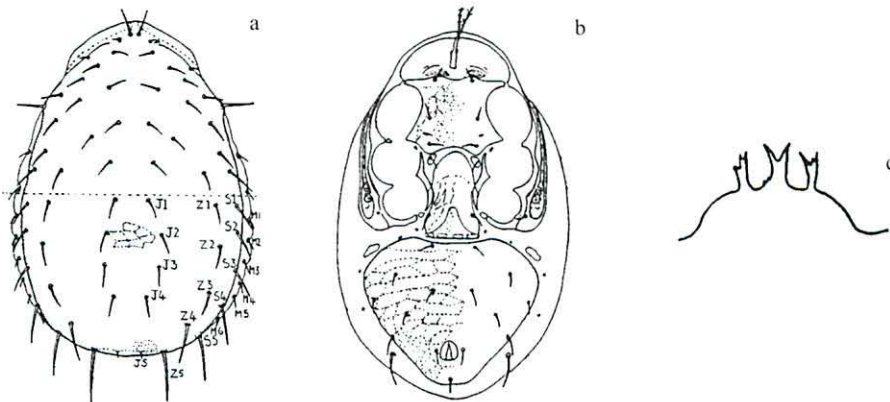


Fig. 9.4.1. **Female:** a dorsal, b ventral, c tectum (a, b EVANS 1958, c ATHIAS-HENRIOT 1961)

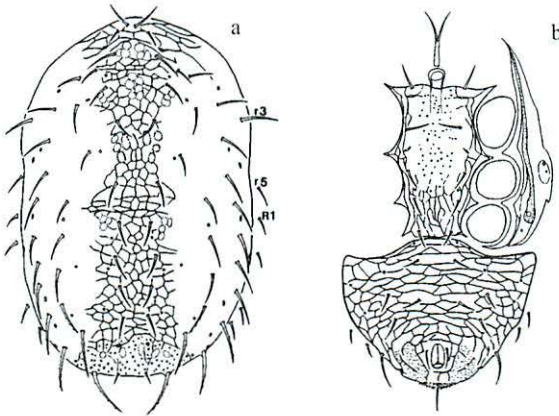


Fig. 9.4.2. **Male:** a dorsal, b ventral (a, b WALTER & LINDQUIST 1989)

Lasioseius daanensis Ma, 1996

(Fig. 9.5.)

MA, L. M. (1996): Two new species of the genus *Lasioseius* and one new species of the genus *Cheiroseius* (Acari, Mesostigmata, Aceosejidae). [Orig. Chin.] – Acta Zootaxon. Sin. 21 (3): 312 – 316
Types: National Base of Plague and Brucellosis Control, Baicheng City, Jilin Province (China)

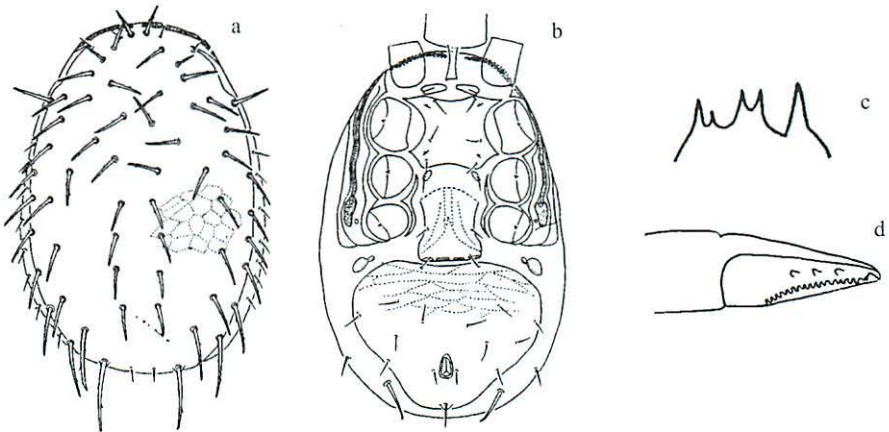


Fig. 9.5. **Female:** a dorsal, b ventral, c tectum, d chelicera (a – d MA 1996)

Lasioseius formosus Westerboer, 1963

(Fig. 9.6.)

WESTERBOER, I. (1963): Die Familie Podocinidae Berlese, 1916. – In: STAMMER, H. J. (ed.), Beiträge zur Systematik und Ökologie mitteleuropäischer Acarina, Band II, Mesostigmata 1. Akad. Verlagsgesellschaft, Leipzig: 179 – 450

Types: deposition unknown to the authors

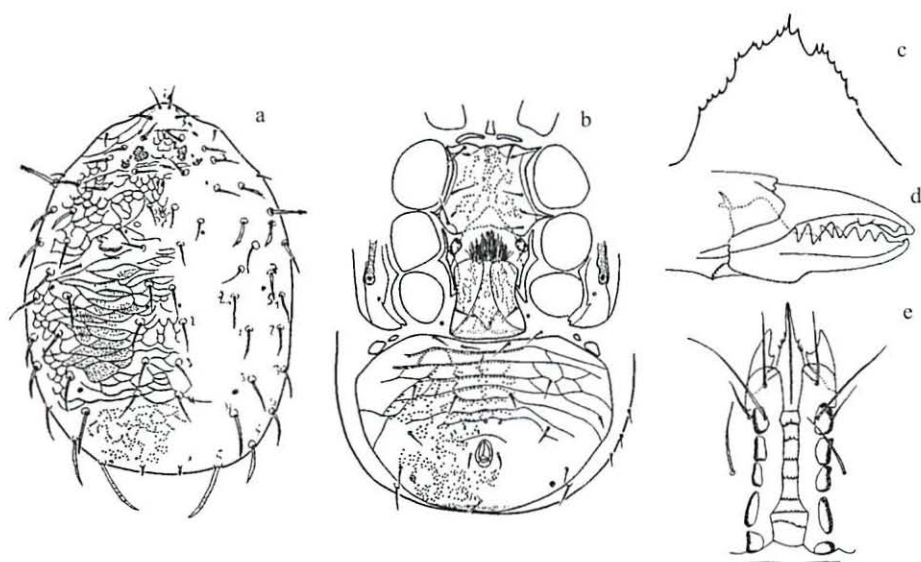


Fig. 9.6. Female: a dorsal, b ventral, c tectum, d chelicera, e hypostome (a – e WESTERBOER 1963)

Lasioseius jilinensis Ma, 1996

(Figs 9.7.1. – 9.7.5.)

MA, L. M. (1996): Two new species of the genus *Lasioseius* and one new species of the genus *Cheiroseius* (Acari, Mesostigmata, Aceosejidae). [Orig. Chin.] – Acta Zootaxon. Sin. **21** (3): 312 – 316
Types: National Base of Plague and Brucellosis Control, Baicheng City, Jilin Province (China)

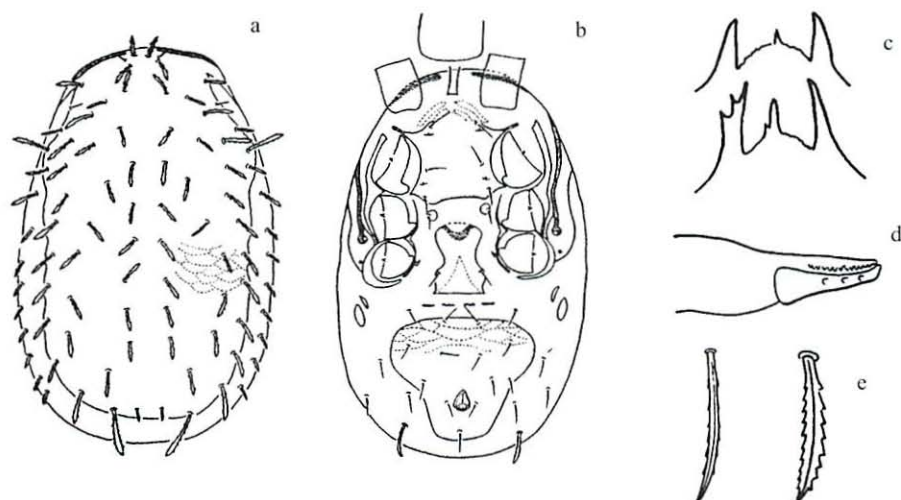


Fig. 9.7.1. Female: a dorsal, b ventral, c tectum, d chelicera, e dorsal setae (a – e MA 1996)

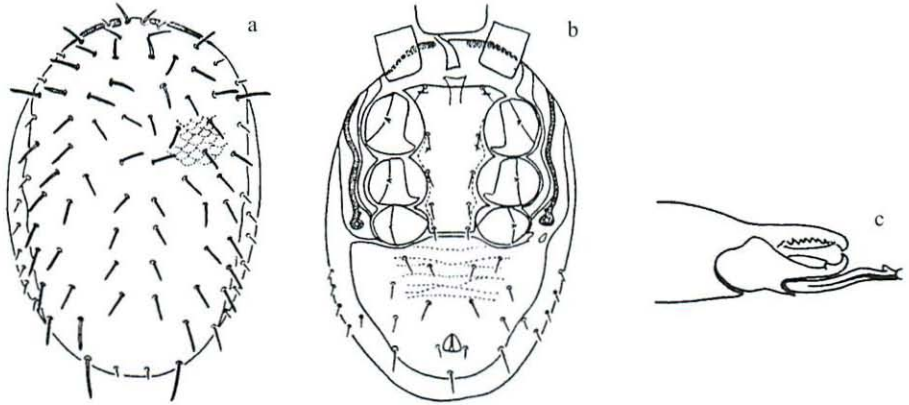


Fig. 9.7.2. **Male:** a dorsal, b ventral, c chelicera (a – c MA 1997)

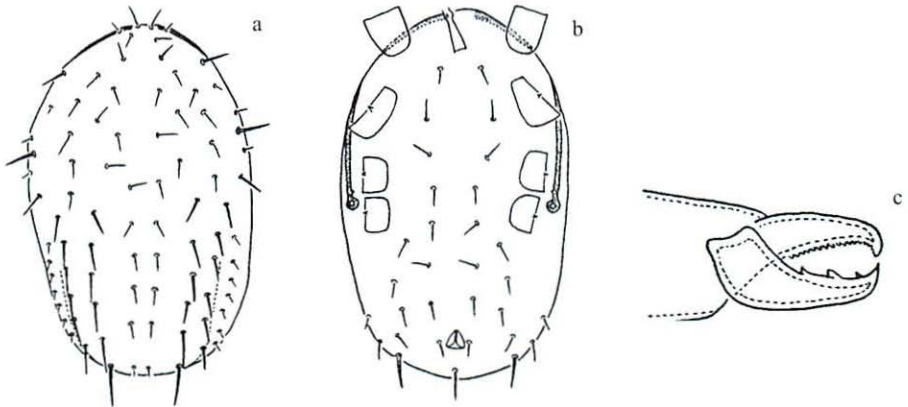


Fig. 9.7.3. **Deutonymph:** a dorsal, b ventral, c chelicera (a – c MA 1997)

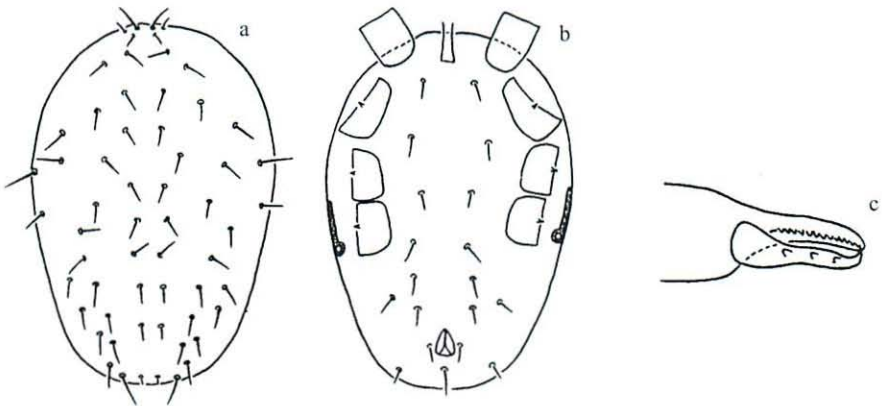


Fig. 9.7.4. **Protonymph:** a dorsal, b ventral, c chelicera (a – c MA 1997)

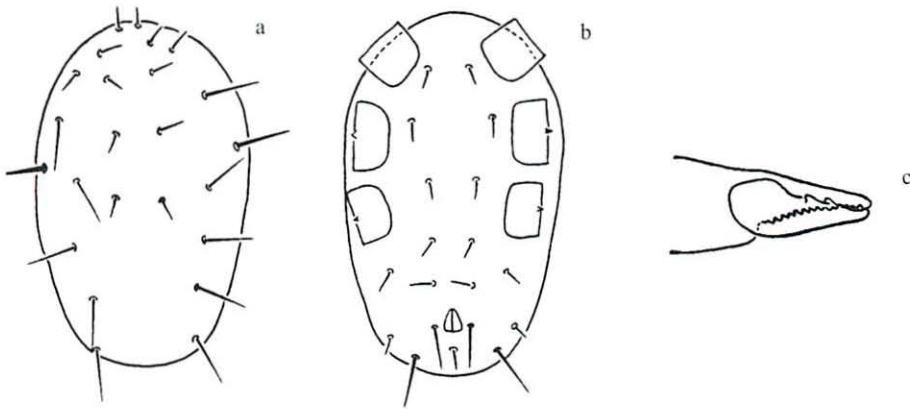


Fig. 9.7.5. Larva: a dorsal, b ventral, c chelicera (a – c MA 1997)

Lasioseius scapulatus Kennett, 1958

(Fig. 9.8.)

KENNETT, C. E. (1958): Some predacious mites of the subfamilies Phytoseiinae and Aceosejinae (Acarina, Phytoseiidae, Aceosejidae) from Central California with description of new species. – Ann. Entomol. Soc. Am. 51: 471 – 479

Holo- and paratypes: United States National Museum, Washington D. C. (USA), California Insect Survey (USA)

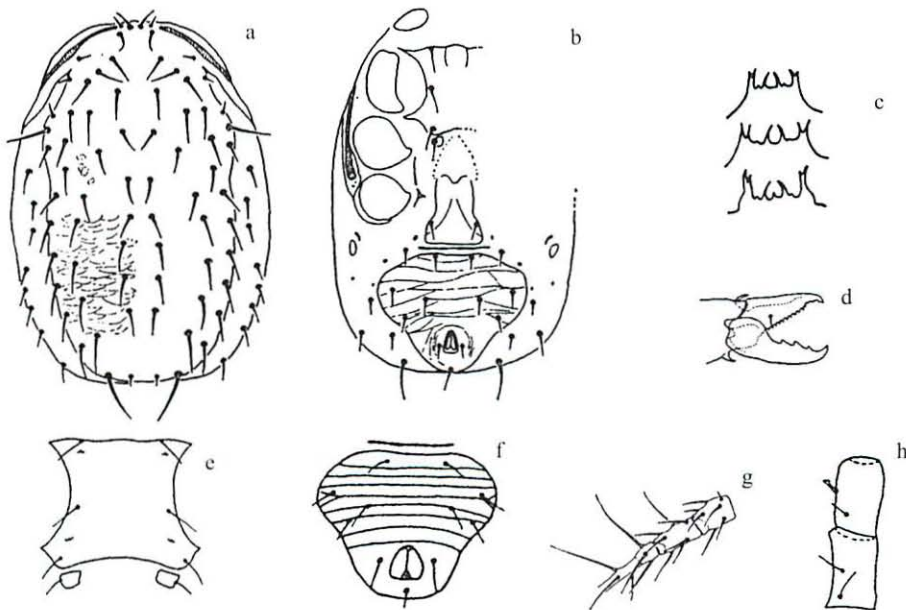


Fig. 9.8. Female: a dorsal, b ventral, c tectum, d chelicera, e sternal shield, f ventrianal shield, g leg IV, h palpus (a – d, g CHANT 1963; e, f, h KENNETT 1958)

Lasioseius boomsmai Womersley, 1956

(Fig. 9.9.)

WOMERSLEY, H. (1956): On some new Acarina-Mesostigmata from Australia, New Zealand and Guinea. – J. Linn. Soc., Zool 42 (288): 505 – 599

Holotypes: South Australian Museum, North Terrace, Adelaide (Australia)

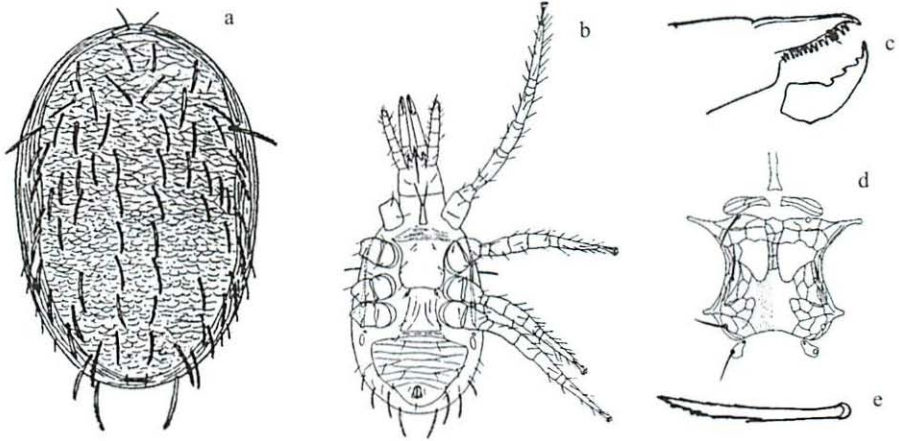


Fig. 9.9. **Female:** a dorsal, b ventral, c chelicera, d sternal shield, e dorsal seta (a – c, e Womersley 1956, d Walter & Lindquist 1997)

Lasioseius punjabensis Bhattacharyya & Sanyal, 2002

(Fig. 9.10.)

BHATTACHARYYA, A. K. & A. K. SANYAL (2002): New data on mites of the genus *Lasioseius* (Mesostigmata, Ascidae) in India along with the description of two new species. – Acarina 10 (1): 51 – 56

Holo- and paratypes: National Zoological Collection, Zoological Survey of India, Calcutta (India)

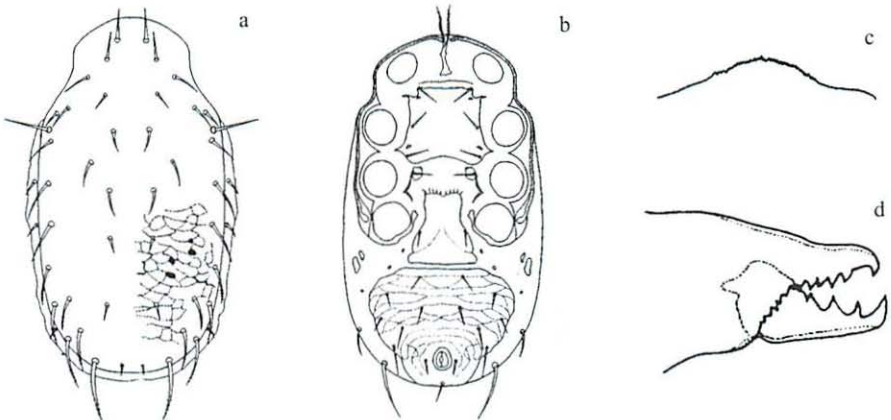


Fig. 9.10. **Female:** a dorsal, b ventral, c tectum, d chelicera (a – d BHATTACHARYYA & SANYAL 2002)

Lasioseius wangi Ma, 1988

(Fig. 9.11.)

MA, M. L. (1988): Three new species of Gamasina from China (Acari, Mesostigmata). [Orig. Chin.] – Acta Zootaxon. Sin. 13 (2): 147 – 150

Holotype: First Institute of Endemic Diseases Research, Jilin Province (China)

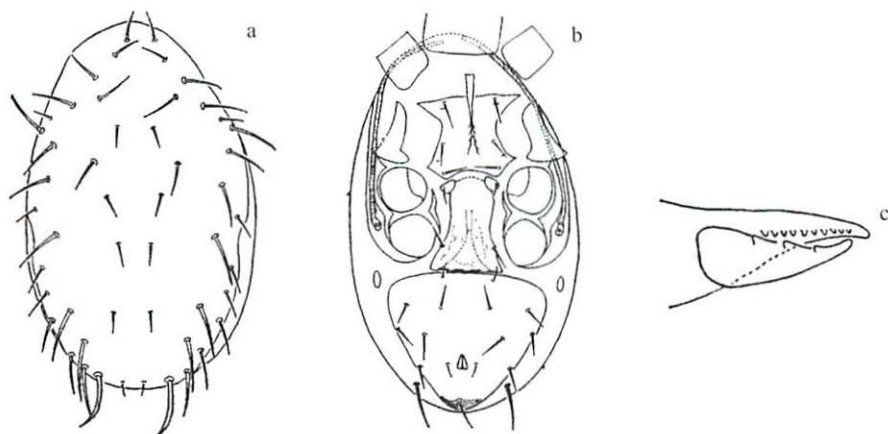


Fig. 9.11. Female: a dorsal, b ventral, c chelicera (a – c MA 1988)

Lasioseius phytoseioides Chant, 1963

(Fig. 9.12.)

CHANT, D. A. (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – Can. J. Zool. 41: 243 – 305

Types: United States National Museum, Washington D. C. (USA)

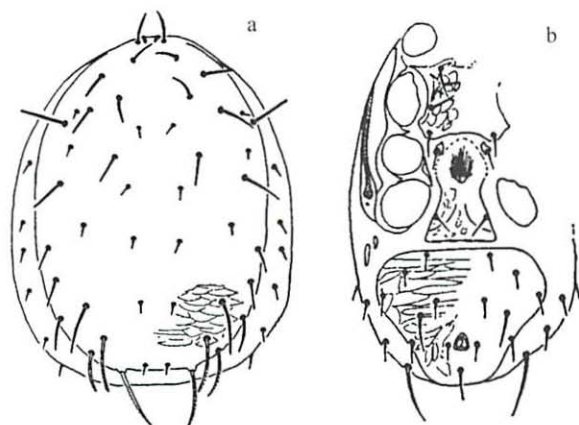


Fig. 9.12. Female: a dorsal, b ventral (a, b CHANT 1963)

Lasioseius mirabilis Christian & Karg, 1992

(Fig. 9.13.)

CHRISTIAN, A. & W. KARG (1992): *Lasioseius mirabilis* n. sp. (Acarina, Mesostigmata), eine neue Raubmilbenart von den Berzdorfer Halden. – Abh. Ber. Naturkundemus. Görlitz **66** (7): 3 – 8
 Holotype: Staatliches Museum für Naturkunde Görlitz (Germany)

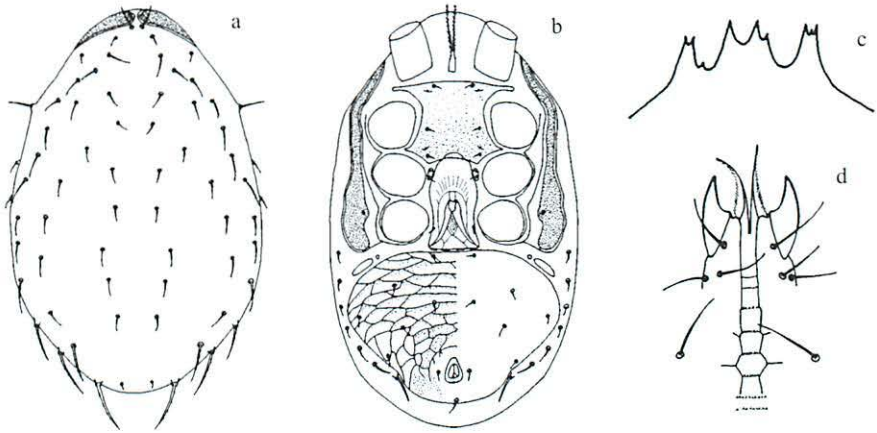


Fig. 9.13. Female: a dorsal, b ventral, c tectum, d hypostome (a – d CHRISTIAN & KARG 1992)

Lasioseius multispatus Gu & Huang, 1990

(Fig. 9.14.)

GU, Y. M., J. S. WANG & C. A. HUANG (1990): Six new species of the genus *Lasioseius* (Acari, Accosejidae). [Orig. Chin.] – Acta Zootaxon. Sin. **15** (2): 174 – 184
 Holotype: Department of Parasitology, Guiyang Medical College (China)

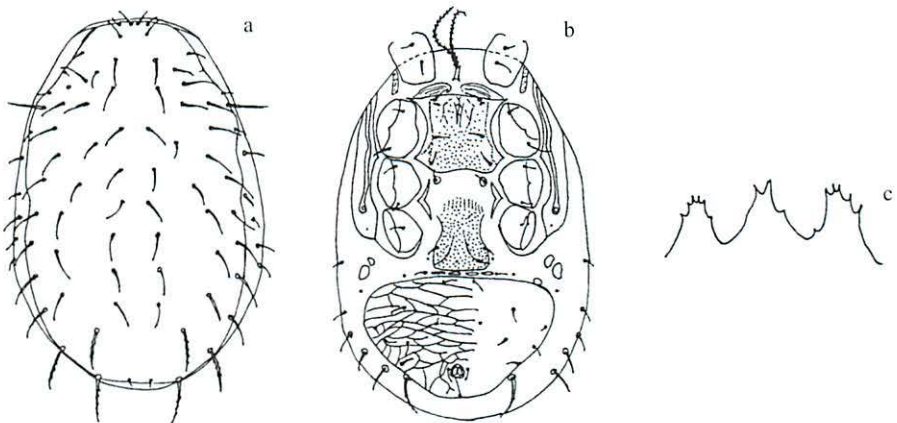


Fig. 9.14. Female: a dorsal, b ventral, c tectum (a – c modified after GU & HUANG 1990)

Lasioseius lanciolatus Chant, 1963

(Fig. 9.15.)

CHANT, D. A. (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – Can. J. Zool. 41: 243 – 305

Holotype: Canadian National Collection of Insects and Arachnida, Ottawa (Canada)

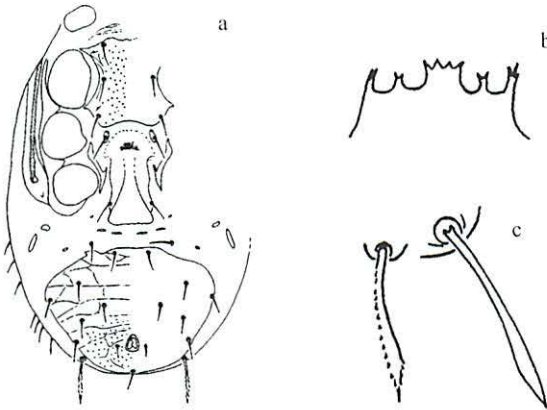


Fig. 9.15. Female: a ventral, b tectum, c dorsal setae Z, S (a – c CHANT 1963)

Lasioseius krantzi Chant, 1963

(Fig. 9.16.)

CHANT, D. A. (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – Can. J. Zool. 41: 243 – 305

Holotype: Canadian National Collection of Insects and Arachnida, Ottawa (Canada)

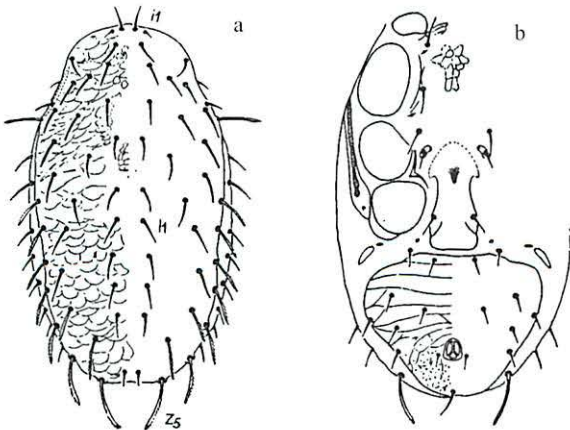


Fig. 9.16. Female: a dorsal, b ventral (a, b CHANT 1963)

Lasioseius chenpengi Ma & Yin, 1999

(Figs 9.17.1. – 9.17.4.)

MA, L. M. & X. Q. YIN (1999): Four new species and two new record genera of the family Aceosejidae from China (Acari, Gamasina). [Orig. Chin.] – Acta Arachnol. Sin. 8 (1): 1 – 7

Holo- and paratypes: National Base of Plague and Brucellosis Control, Baicheng City, Jilin Province (China)

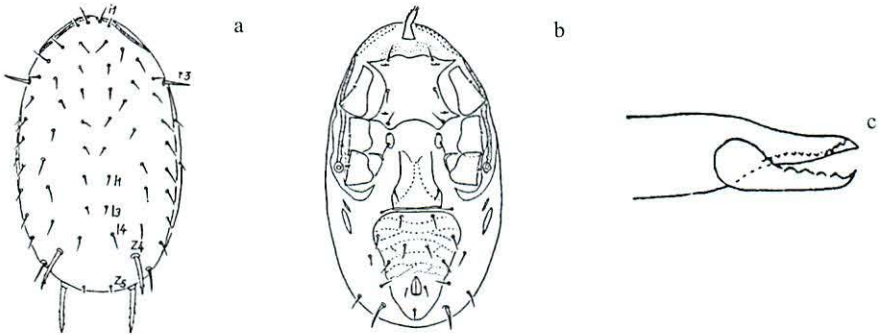


Fig. 9.17.1. **Female:** a dorsal, b ventral, c chelicera (a – c MA & YIN 1999)

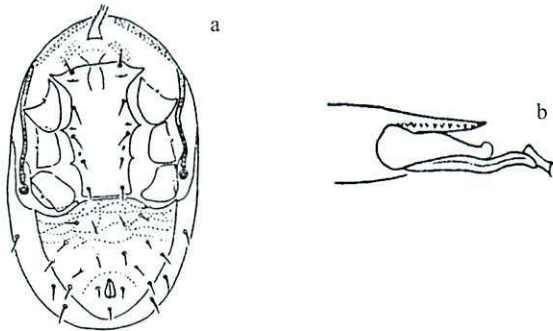


Fig. 9.17.2. **Male:** a ventral, b chelicera (a, b MA & YIN 1999)

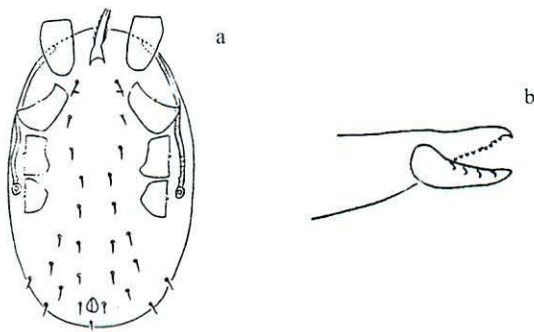


Fig. 9.17.3. **Deutonymph:** a ventral, b chelicera (a, b Ma & Yin 1999)

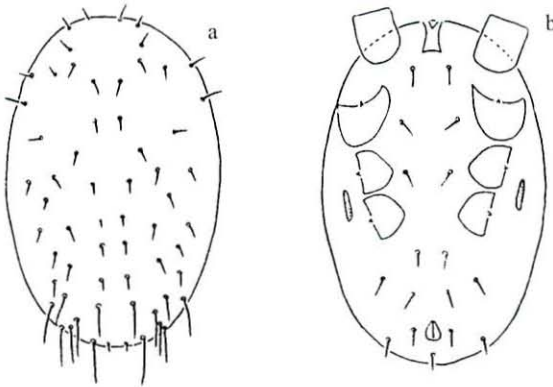


Fig. 9.17.4. **Protonymph:** a dorsal, b ventral (a, b MA & YIN 1999)

Lasioseius cinnyris Fain & Mariaux, 1991

(Figs 9.18.1. – 9.18.2.)

FAIN, A. & J. MARIAUX (1991): Notes sur deux Acariens mesostigmatiques (Acari, Mesostigmata) associés à des Souïmangas (Oiseaux, Nectariniidae) de Côte d'Ivoire. – Rev. suisse Zool. **98** (2): 319 – 324

Holotype: Musée de Tervuren (Belgium)

Paratypes: Muséum d'Histoire Naturelle, Genève (Switzerland), British Museum (Natural History), London (United Kingdom), Collection A. Fain, Bruxelles (Belgium)

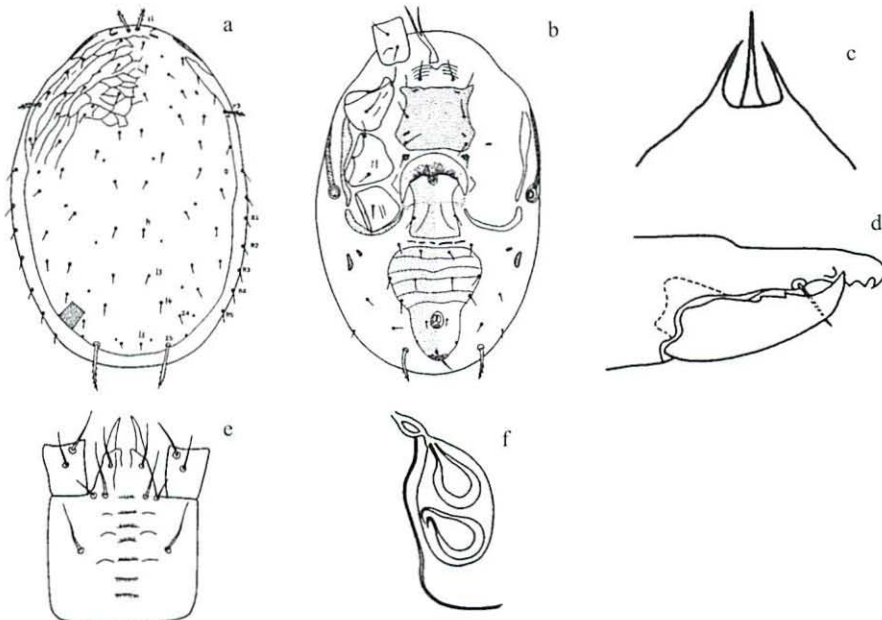


Fig. 9.18.1. **Female:** a dorsal, b ventral, c tectum, d chelicera, e hypostome, f spermatheca (a – f FAIN & MARIAUX 1991)

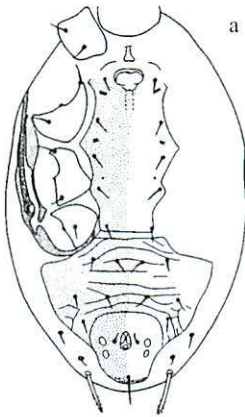


Fig. 9.18.2. **Male:** a ventral (a FAIN & MARIAUX 1991)

Lasioseius traveni Walter & Lindquist, 1997

(Fig. 9.19.)

WALTER, D. E. & E. E. LINDQUIST (1997): Australian species of *Lasioseius* (Acari, Mesostigmata, Ascidae): the *porulosus* group and other species from rainforest canopies. – *Invertebr. Taxon.* **11**: 525 – 547

Holotype: Department of Entomology, University of Queensland, St. Lucia (Australia)

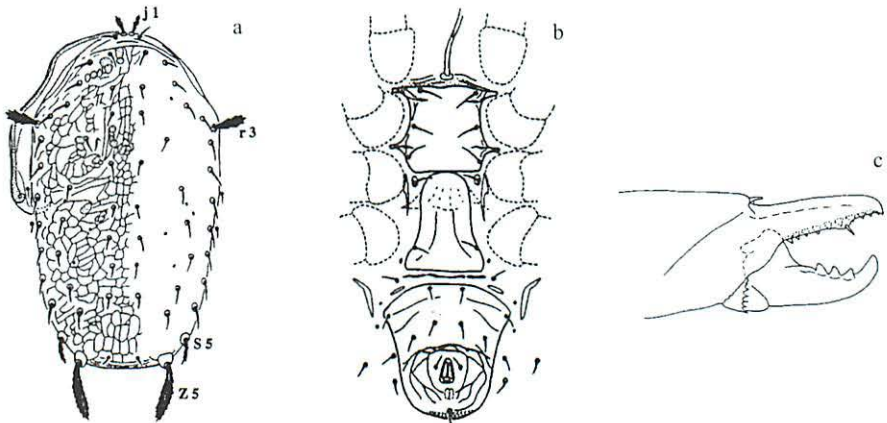


Fig. 9.19. **Female:** a dorsal, b ventral, c chelicera (a – c WALTER & LINDQUIST 1997)

Lasioseius triangularis Bhattacharyya & Sanyal, 2002

(Fig. 9.20.)

BHATTACHARYYA, A. K. & A. K. SANYAL (2002): New data on mites of the genus *Lasioseius* (Mesostigmata, Ascidae) in India along with the description of two new species. – *Acarina* **10** (1): 51 – 56

Holo- and paratypes: National Zoological Collection, Zoological Survey of India, Calcutta (India)

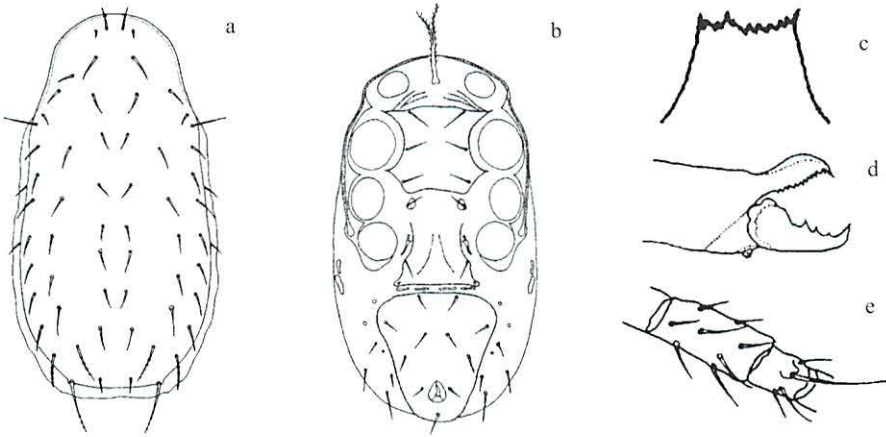


Fig. 9.20. **Female:** a dorsal, b ventral, c tectum, d chelicera, e genu, tibia IV (a – e BHATTACHARYYA & SANYAL 2002)

Lasioseius porulosus De Leon, 1963

(Figs 9.21.1. – 9.21.2.)

DE LEON, D. (1963): A new genus and twelve new species of mites from Mexico and southeast United States (Acarina, Blattsocidae). – Fla. Entomol. 46 (2): 197 – 207

Types: deposition unknown to the authors

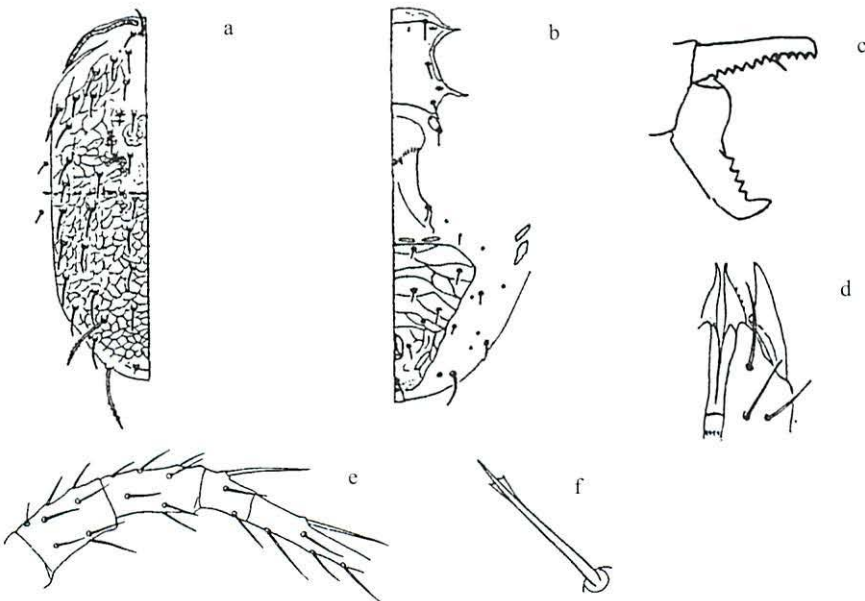


Fig. 9.21.1. **Female:** a dorsal, b ventral, c chelicera, d hypostome, e leg IV, f dorsal seta (a – d DE LEON 1963; e, f EHARA 1964)



Fig. 9.21.2. **Male:** a chelicera, b spermthodactyl (a LEE & LEE 1998; b EHARA 1964)

Lasioseius fleschneri Chant, 1963

(Fig. 9.22.)

CHANT, D. A. (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – Can. J. Zool. **41**: 243 – 305

Holotype: Canadian National Collection of Insects and Arachnida, Ottawa (Canada)

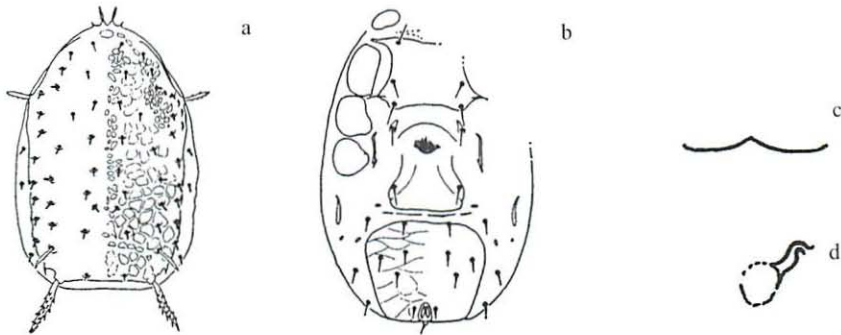


Fig. 9.22. **Female:** a dorsal, b ventral, c tectum, d spermatheca (a – d CHANT 1963)

Lasioseius arboreus Chant, 1963

(Fig. 9.23.)

CHANT, D. A. (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – Can. J. Zool. **41**: 243 – 305

Holotype: United States National Museum, Washington D. C. (USA)

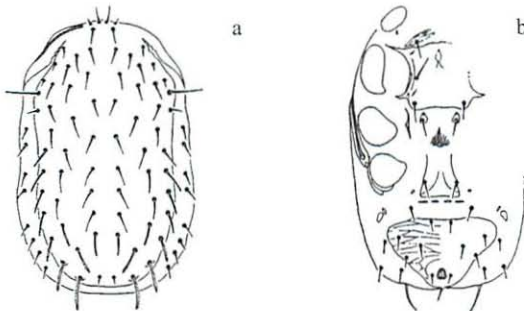


Fig. 9.23. **Female:** a dorsal, b ventral (a – b CHANT 1963)

Lasioseius plenosetosus n. sp.

(Fig. 9.24.)

Holotype: ♀ Ecuador 1990, near Loreto, coffee plantation, litter

Paratype: 1 ♀

Deposition of types: Staatliches Museum für Naturkunde Görlitz (Germany)

Characterised by long ds, ds Z4 longer than Z5, ds on the posterior half of dorsum weakly serrate, te with 4 points.

Ids ♀ 330 – 350 x 190 – 200, dorsum reticulate, most ds reaching the next setae of the series, 30 – 35 long, however $i1 = 25$, $r3 = 45$, $Z4 = 50$, $Z5 = 45$, setae of venter 20 – 25 long, sternal shield smooth, presternal plates lineate, ventra 150 wide and 100 long, triangular with 5 pairs of setae, te with 4 points that are equal in length, lateral points serrate, middle points cuspidate, digitus fixus of chelicera with 20 – 22 teeth, legs: I = 400, II = 280, III = 270, IV = 420.

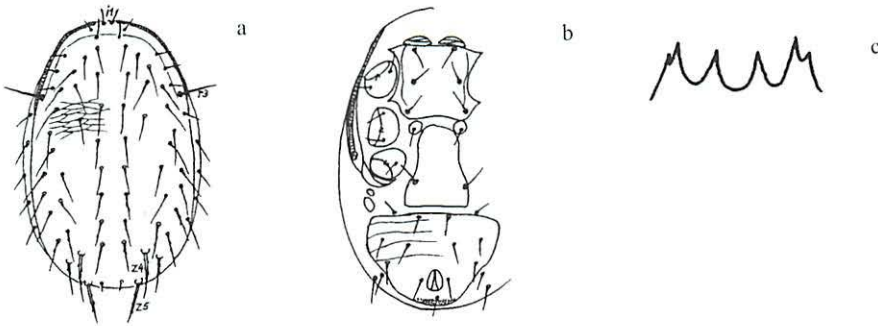


Fig. 9.24. Female: a dorsal, b ventral, c tectum (a – c original drawings by the authors)

Lasioseius medius Gu & Guo, 1994

(Fig. 9.25.)

GU, Y. M. & X. G. GUO (1994): Two new species of the genus *Lasioseius* from China (Acari, Ascidae). [Orig. Chin.] – Acta Arachnol. Sin. 3 (2): 86 – 90

Types: Department of Parasitology, Medical School, Nanjing University (China)

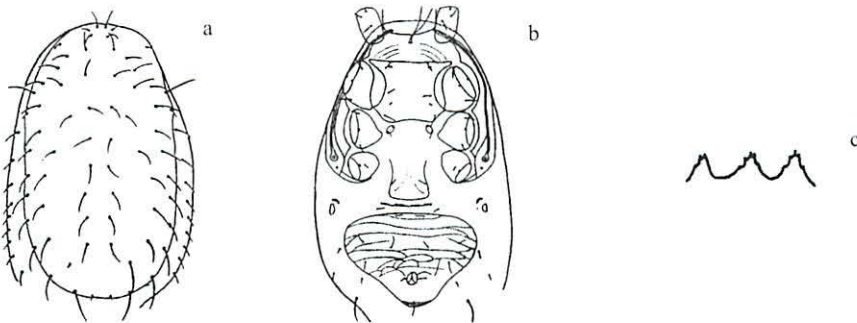


Fig. 9.25. Female: a dorsal, b ventral, c tectum (a – c GU & GUO 1994)

Lasioseius praeivus Gu & Guo, 1994

(Fig. 9.26.)

Gu, Y. M. & X. G. Guo (1994): Two new species of the genus *Lasioseius* from China (Acari, Ascidae).

[Orig. Chin.] – Acta Arachnol. Sin. 3 (2): 86 – 90

Types: Department of Parasitology, Medical School, Nanjing University (China)

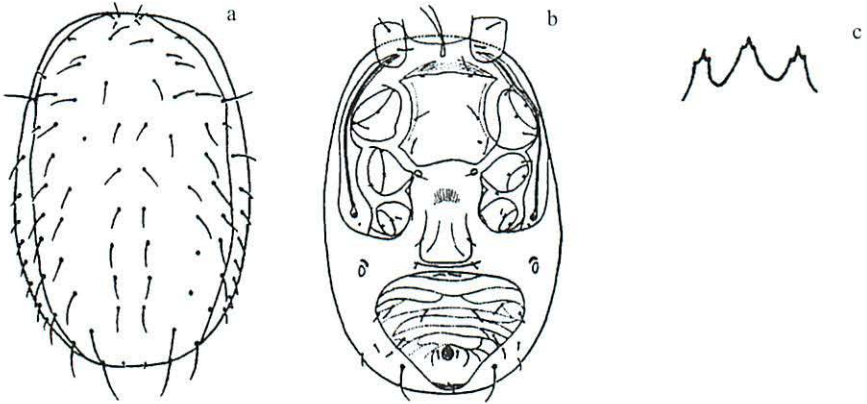


Fig. 9.26. Female: a dorsal, b ventral, c tectum (a – c GU & GUO 1994)

Lasioseius garambae Krantz, 1962

(Fig. 9.27.)

KRANTZ, G. W. (1962): Acari. Free-living Mesostigmata. II. Family Acosejidae. – Parc National De La Garamba, Mission H. De Saeger 34: 3 – 29

Holotype: Institute of National Parks of the Congo and Ruanda-Urundi, Bruxelles (Belgium)

Paratypes: United States National Museum, Washington D. C. (USA)

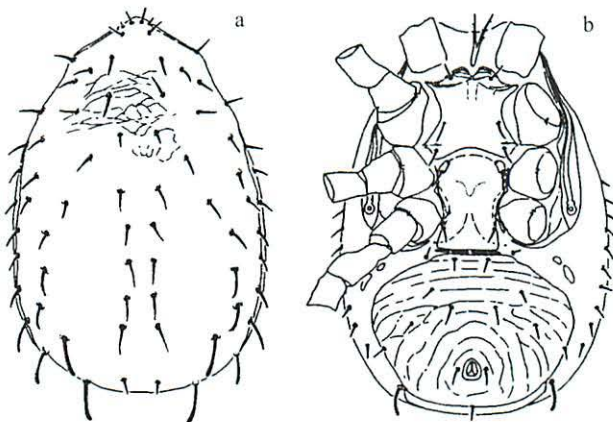


Fig. 9.27. Female: a dorsal, b ventral (a, b KRANTZ 1962)

Lasioseius pluvius n. sp.

(Figs 9.28.1. – 9.28.2.)

Holotype: ♀ Ecuador 1989, prov. Pichinca, between Pifo and Papalacta, 4100 m a.s.l., moss from soil, grass and withered plant debris from under bushes

Paratypes: 4 ♀, 5 ♂

Deposition of types: Staatliches Museum für Naturkunde Görlitz (Germany)

Characterised by having longer setae on the posterior half of the dorsum than on the anterior half, most ds acicular, only the caudal ds Z5 pectinate, ventra with 6 pairs of setae.

Ids ♀ 510 – 550 x 330 – 350, dorsum reticulate, ds of the anterior half mostly 25 – 30 long except ds r3 (= 60), ds of the posterior half of dorsum 38 – 82 long, except ds I5 (= 27), i1 = 35, s1 = 25, i3 = 30, i4 = 25, r3 = 60, I5 = 38, I2 = 40, I3 = 43, I4 = 40, Z4 = 45, Z5 = 82, S5 = 50, te with 3 branches, sternal shield medially smooth, lineate along lateral margins, presternal region punctate, sternal setae 40 – 50 long, digitus fixus with 15 – 16 teeth, ventra nearly triangular, reticulate with 6 pairs of 25 long setae, ps = 35 long, ventra 180 long, 230 wide, legs: I = 560, II = 480, III = 440, IV = 590.

Ids ♂ 400 – 420 x 230 – 280, spermatodactyl like a finger with a button-like end.

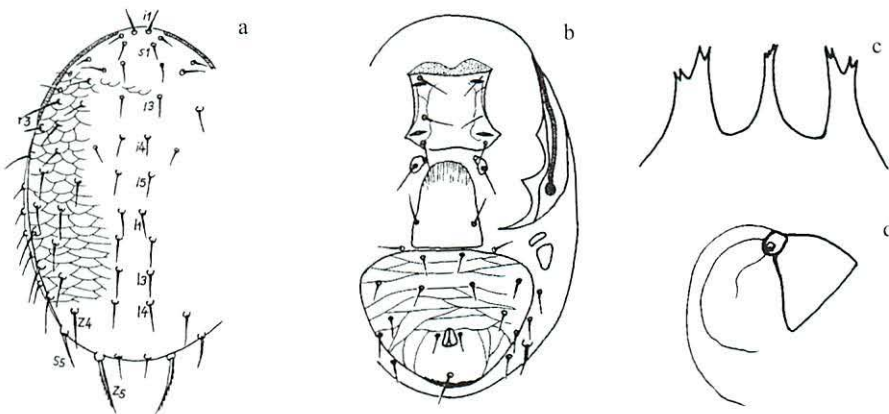


Fig. 9.28.1. **Female:** a dorsal, b ventral, c tectum, d spermatheca (a – d original drawings by the authors)

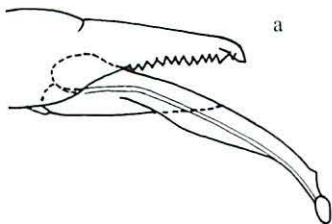


Fig. 9.28.2. **Male:** a chelicera (a original drawing by the authors)

Excluded species

The following species belong to other genera.

- Lasioseius alpinus* Schweizer, 1949
to *Proctolaelaps* Berlese, 1923 – syn. of *P. pygmaeus* (J. Müller, 1859)
- Lasioseius aurora* Vitzthum, 1925
to *Proctolaelaps* Berlese, 1923 = *P. aurora* (Vitzthum, 1925)
- Lasioseius bakeri* Chant, 1958
to *Blattisocius* Keegan, 1944 = *B. bakeri* (Chant, 1958)
- Lasioseius borealis* var. *temperatus* Berlese, 1916
to *Cheiroseius* Berlese, 1916 – syn. of *Ch. borealis* (Berlese, 1904) ??
- Lasioseius capillatus* Berlese, 1916
to *Platyseius* Berlese, 1916 – syn. of *P. subglaber* (Oudemans, 1903)
- Lasioseius cetratus* Sellnick, 1940
to *Arctoseius* Sig Thor, 1930 = *A. cetratus* (Sellnick, 1940)
- Lasioseius conviva* Berlese, 1916
to *Proctolaelaps* Berlese, 1923 – syn. of *P. pygmaeus* (J. Müller, 1859)
- Lasioseius dentriticus* Berlese, 1918
to *Paragarmania* Nesbitt, 1951 = *P. dentritica* (Berlese, 1918)
- Lasioseius drosophili* Chant, 1963
to *Hoploseius* Berlese, 1914 = *H. drosophili* (Chant, 1963)
- Lasioseius eccoptogasteris* Vitzthum, 1923
to *Garmaniella* Westerboer, 1963 = *G. eccoptogasteris* (Vitzthum, 1923)
- Lasioseius fucicola* Halbert, 1920
to *Thinoseius* Halbert, 1920 = *Th. fucicolus* (Halbert, 1920)
- Lasioseius glaber* var. *curtipes* Halbert, 1923
to *Cheiroseius* Berlese, 1916 = *Ch. curtipes* (Halbert, 1923)
- Lasioseius gracilis* Halbert, 1923
to *Ameroseius* Berlese, 1904 = *A. gracilis* (Halbert, 1923)
- Lasioseius hystrix* Hirschmann & Rühm, 1953
to *Proctolaelaps* Berlese, 1923 – syn. of *P. fiseri* Samsinak, 1960
- Lasioseius hystrix* Vitzthum, 1923
to *Proctolaelaps* Berlese, 1923 = *P. hystrix* (Vitzthum, 1923)
- Lasioseius innumerabilis* Berlese, 1918
to *Proctolaelaps* Berlese, 1923 – syn. of *P. pygmaeus* (J. Müller, 1859)
- Lasioseius insularis* Willmann, 1952
to *Arctoseius* Sig Thor, 1930 = *A. insularis* (Willmann, 1952)
- Lasioseius jüradeus* Schweizer, 1949
to *Proctolaelaps* Berlese, 1923 = *P. jüradeus* (Schweizer, 1949)
- Lasioseius listrophorus* Berlese, 1916 sensu SCHWEIZER, 1924
to *Platyseius* Berlese, 1916 – syn. of *P. subglaber* (Oudemans, 1903)
- Lasioseius longisetosus* Postner, 1951 in lit.
to *Proctolaelaps* Berlese, 1923 = *P. longisetosus* (Postner, 1951)
- Lasioseius major* Halbert, 1923
to *Plesiosejus* Evans & Hyatt, 1960 = *P. major* (Halbert, 1923)
- Lasioseius marinus* Willmann, 1952
to *Amblyseius* Berlese, 1914 = *A. marinus* (Willmann, 1952)

- Lasioseius michaeli* Halbert, 1923
to *Plesiosejus* Evans & Hyatt, 1960 – syn. of *P. italicus* (Berlese, 1905)
- Lasioseius moestairi* Schweizer, 1949
to *Zerconopsis* Hull, 1918 = *Z. moestairi* (Schweizer, 1949)
- Lasioseius mutilus* Berlese, 1916
to *Cheiroseius* Berlese, 1916 = *Ch. mutilus* (Berlese, 1916)
- Lasioseius polonicus* Willmann, 1949
to *Amblyseius* Berlese, 1914 – syn. of *A. alpinus* Schweizer, 1922
- Lasioseius pulvisculus* Berlese, 1920
to *Arctoseius* Sig Thor, 1930 – syn. of *A. minutus* (Halbert, 1915)
- Lasioseius salinus* Halbert, 1920
to *Leioseius* Berlese, 1916 = *L. salinus* (Halbert, 1920)
- Lasioseius similis* Schweizer, 1949
to *Blattisocius* Keegan, 1944 = *B. similis* (Schweizer, 1949)
- Lasioseius sphagni* Halbert, 1923
to *Cheiroseius* Berlese, 1916 – syn. of *Ch. laelaptoides* (Berlese, 1887)
- Lasioseius spinosus* Willmann, 1939
to *Thinoseius* Halbert, 1920 = *T. spinosus* (Willmann, 1939)
- Lasioseius tarsalis* Berlese, 1918
to *Blattisocius* Keegan, 1944 = *B. tarsalis* (Berlese, 1918)
- Lasioseius tenuipes* sensu SCHWEIZER, 1922
to *Plesiosejus* Evans & Hyatt, 1960 – syn. of *P. major* (Halbert, 1923)
- Lasioseius ventritrichosus* Schweizer, 1949
to *Proctolaelaps* Berlese, 1923 – syn. of *P. pygmaeus* (J. Müller, 1859)
- Lasioseius venustus* Berlese, 1916
to *Arctoseius* Sig Thor, 1930 = *A. venustus* (Berlese, 1916)
- Lasioseius yadongensis* Ma & Wang, 1997
to *Mirabulbus* Liu & Ma, 2001 = *M. yadongensis* (Ma & Wang, 1997)
- Lasioseius yini* Bai, Fang & Chen, 1995
to *Hoploseius* Berlese, 1914 = *H. yini* (Bai, Fang & Chen, 1995)

Species inquirendae

- L. bengalensis* Chatterjee & Gupta, 2003
- L. brevisternus* Berlese, 1916
- L. consocius* Berlese, 1916
- L. cristatus* Hull, 1925
- L. fissuratus* Berlese, 1916
- L. fissuratus* var. *nostras* Berlese, 1916
- L. floridensis* Berlese, 1916
- L. grandis* Berlese, 1916
- L. jugatus* Hull, 1925
- L. magnanalis* Sig Thor, 1930
- L. mexicanus* (Banks, 1905)
- L. nivalis* Schweizer, 1961

- L. paliger* Berlese, 1916
L. parapodicus Berlese, 1916
L. parvanalis Sig Thor, 1930
L. parvulus Berlese, 1916
L. pusillus Berlese, 1916
L. setosulus Berlese, 1916
L. similis Berlese, 1916
L. spinatus Sellnick, 1940

References

The literature list includes references to drawings that are additionally presented with the original drawings from the descriptions of the respective species. The references of the original descriptions are listed with the species.

- ASWEGEN, P. I. M. VAN & G. C. LOOTS (1969): The genus *Lasioseius* (Mesostigmata, Acari) in the Ethiopian region. – Wetenskap. Bydraes van die Potchefstroomse Univ. **3**: 1 – 25
 – (1961): Mesostigmata (Urop. excl.) édaphiques méditerranéens (Acomorpha, Anactinotrichida). Première série. – *Acarologia* **3** (4): 381 – 509
- BAI, X. L., L. FANG. & B. F. CHEN (1995): A new species of the genus *Lasioseius* (Acari, Ascidae) from Ningxia, China. [Orig. Chin.] – *Entomotaxonomia* **17** (1): 59 – 62
- BANKS, N. (1905): Descriptions of some new mites. – *Proc. Ent. Soc. Wash.* **7** (2/3): 133 – 142
- BERLESE, A. (1887): Acari, Myriapoda et Scorpiones hucusque in Italia Reperta. – Padova **5**, **41**: 1 – 10
 – (1916): Centuria prima di Acari nuovi. – *Redia* **12**: 19 – 67
 – (1918): Centuria quarta di Acari nuovi. – *Redia* **13**: 115 – 192
 – (1920): Centuria quinta di Acari nuovi. – *Redia* **14**: 143 – 195
- BHATTACHARYYA, A. K. & A. K. SANYAL (2002): New data on mites of the genus *Lasioseius* (Mesostigmata, Ascidae) in India along with the description of two new species. – *Acarina* **10** (1): 51 – 56
- CHANT, D. A. (1958): Descriptions of six new species of *Garmania* Nesbitt and *Lasioseius* Berlese (Acarina, Aceosejidae). – *Can. J. Zool.* **36**: 383 – 390
 – (1963): The subfamily Blattisocinae Garman (= Aceosejinae Evans) (Acarina, Blattisocidae Garman) (= Aceosejidae Baker & Wharton) in North America, with descriptions of new species. – *Can. J. Zool.* **41**: 243 – 305
- CHRISTIAN, A. (1993): Untersuchungen zur Entwicklung der Raubmilbenfauna (Gamasina) der Halden des Braunkohlentagebaues Berzdorf / OL. – *Abh. Ber. Naturkundemus. Görlitz* **67** (2): 2 – 64

- & W. KARG (1998): Berichtigung von Fehlern zur Monographie über Raubmilben (Gamasina) aus der Reihe »Die Tierwelt Deutschlands«. – Abh. Ber. Naturkundemus. Görlitz **70** (2): 204 – 208
- EHARA, S. (1964): Some mites of the families Phytoseiidae and Blattisocidae from Japan (Acarina, Mesostigmata). – J. Fac. Sci. Hokkaido Univ., Ser. 6, Zool. **15** (3): 378 – 394
- EVANS, G. O. (1992): Principles of Acarology. C A B International, Wallingford, 565 pp.
- GU, Y. M. & X. G. GUO (1996): A new species and a new record of *Lasioseius* from China (Acari, Aceosejidae). – Acta Zootaxon. Sin. **21** (1): 39 – 44 (in Chinese)
- GUPTA, S. K. (2003): A monograph on plant predatory mites of India. Part 2. Order: Mesostigmata. – Mem. Zool. Surv. India **20** (1): 1 – 185
- GWIAZDOWICZ, D. J. (2003): Description of male of *Lasioseius ometes* (Oudemans) (Mesostigmata, Ascidae). – Int. J. Acarol. **29** (3): 289 – 290
- HALBERT, J. N. (1920): The Acarina of the Seashore. – Proc. Roy. Irish Acad. (B) **35** (7): 106 – 152
- (1923): Notes on Acari, with description of new species. – J. Linn. Soc., Zool. **35**: 363 – 392
- HENNESSEY, M. K. & M. H. FARRIER (1988): Systematic revision of thirty species of free-living, soil-inhabiting Gamasine mites (Acari, Mesostigmata) of North America. – NC Agric. Res. Serv. Tech. Bull. **285**: 1 – 123
- HENNIG, W. (1950): Grundzüge einer Theorie der phylogenetischen Systematik. – Deutscher Zentralverlag Berlin 1950, 370 pp.
- (1979): Phylogenetic systematics. – University of Illinois Press Urbana, 263 pp.
- HIRSCHMANN, W. & W. RÜHM (1953): Milben und Fadenwürmer als Symphoristen und Parasiten des Buchdruckers. – Mikrokosmos **43** (1): 1 – 10
- HUGHES, A. M. (1961): The mites of stored food. – Min. Agric. Fish. Lond., Techn. Bull. **9**: 1 – 287
- HULL, J. E. (1925): XXIV. – Acari of the family Gamasidae: new and rare British species. – Ann. Mag. Nat. Hist. **15**: 201 – 219
- HURLBUTT, H. W. (1971): Ascinae and Podocinidae (Acarina, Mesostigmata) from Tanzania. – Acarologia **13** (2): 280 – 300
- KAESTNER, A. (1956): Lehrbuch der speziellen Zoologie, Teil 1, Wirbellose. Gustav Fischer Verlag, Jena: 485 – 658
- KARG, W. (1962): Zur Systematik und postembryonalen Entwicklung der Gamasiden (Acarina, Parasitiformes) landwirtschaftlich genutzter Böden. – Mitt. Zool. Mus. Berl. **38** (1): 23 – 119
- (1980): Die Raubmilbengattung *Lasioseius* Berlese, 1916. – Zool. Jb. Syst. **107**: 344 – 367
- (1993): Acari (Acarina), Milben. Parasitiformes (Anactinochaeta). Cohors Gamasina Leach. Raubmilben. – In: Zoologisches Museum Berlin (eds), DAHL, F. (Begr.), Die Tierwelt Deutschlands und der angrenzenden Meeressteile. 59. Teil. Gustav Fischer Verlag, Jena, 523 pp.

- (1998a): Zur Kenntnis der Eugamasides Karg mit neuen Arten aus den tropischen Regenwäldern von Ecuador (Acari, Parasitiformes). – Mitt. Mus. Naturk. Berl., Zool. Reihe **74** (2): 185 – 214
- (1998b): Neue im Boden lebende Arten der Raubmilbengattung *Zygozeius* Berlese, 1916. – Abh. Ber. Naturkundemus. Görlitz **70** (2): 165 – 173
- (2003): Neue Raubmilbenarten aus dem tropischen Regenwald von Ecuador mit einem kritischen Beitrag zur Merkmalsevolution bei Gamasina (Acarina, Parasitiformes). – Mitt. Mus. Naturk. Berl., Zool. Reihe **79** (2): 229 – 251
- KOCH, C. L. (1839): Deutschlands Crustaceen, Myriapoden und Arachniden. Ein Beitrag zur deutschen Fauna. – Regensburg **24**: 11
- LEE, S. Y. & W. K. LEE (1998): Four mites of the genus *Lasioseius* (Acari, Mesostigmata, Ascidae) from Korea. – Korean J. Syst. Zool. **14** (1): 13 – 19 (in Korean)
- LINDQUIST, E. E. & G. O. EVANS (1965): Taxonomic concepts in the Ascidae, with a modified setal nomenclature for the idiosoma of the Gamasina (Acarina, Mesostigmata). – Mem. Entomol. Soc. Can. **47**: 1 – 64
- MA, L. M. (1997): Morphological descriptions on male and immature stages of *Lasioseius jilinsensis* (Acari, Mesostigmata, Aceosejidae). – Acta Entomol. Sin. **40** (2): 334 – 336 (in Chinese)
- & S. R. WANG (1997): A new species of the genus *Pachylaelaps* and a new species of the genus *Lasioseius* from Xizang, China. (Acari, Pachylaelaptidae, Aceosejidae). – Acta Zootaxon. Sin. **22** (1): 29 – 32 (in Chinese)
- MORITZ, M. (1993): Unterstamm Arachnata. – In: GUNER, H. E., M. MORITZ & W. DUNGER (eds.), Kaestner - Lehrbuch der speziellen Zoologie I/4. Band I: Wirbellose Tiere. Teil 4: Arthropoda (ohne Insecta), 4. Aufl., 1279 pp.
- NAEEM, S., D. S. DOBKIN & B. M. OCONNOR (1985): *Lasioseius* mites (Acari, Gamasida, Ascidae) associated with hummingbird-pollinated flowers in Trinidad, West Indies. – Int. J. Entomol. **27** (4): 338 – 353
- OUDEMANS, A. C. (1938): Wetenschappelijke Mededeelingen. – Tijdschr. Entomol. **81**: 2 – 57
- POSTNER, M. (1951): Biologisch-ökologische Untersuchungen an Hummeln und deren Nestern und biologische Beobachtungen an Hummelmilben. – Diss. Univ. Erlangen, 106 pp.
- SCHWEIZER, J. (1922): Beitrag zur Kenntnis der terrestrischen Milbenfauna der Schweiz. – Verh. naturf. Ges. Basel **33**: 23 – 112
- (1924): Beiträge zur Kenntnis der Tierwelt norddeutscher Quellgebiete. Acarina (Landmilben). – Arch. Hydrobiol. **15**: 125 – 132
- (1949): Die Landmilben des Schweizerischen Nationalparks, 1. Teil. Parasitiformes Reuter, 1909. – Ergeb. wiss. Unters. schweiz. Natl.park, N. F. **2**: 1 – 99
- (1961): Die Landmilben der Schweiz (Mittelland, Jura und Alpen). Parasitiformes Reuter. – Denkschr. Schweiz. Naturf. Ges. **84**: 1 – 207
- SELLNICK, M. (1940): Die Milbenfauna Islands. – Göteb. Kungl. Vet. Samh. Handl. (B) **6** (5): 1 – 129

- SIG THOR (1930): Beiträge zur Kenntnis der Invertebratenfauna von Svalbard. – In: HOEL, A. (ed.), Norges Svalbard-og Ishavs-Undersokelser. – Skrifter om Svalbard og Ishavet **27**: 1 – 155
- VITZTHUM, H. (1923): Acarologische Beobachtungen, 7. Reihe. – Arch. Naturges. (A) **89** (2): 97 – 181
- (1925): Fauna sumatrensis, Beitrag Nr. 5: Acarinae. – Suppl. Entomol. **11**: 1 – 78
- WALTER, D. E. (1998): *Ectoantennoseius kitchingi*, n. gen., n. sp. (Acari, Ascidae) from the rainforest canopy in Australia and a cladistic hypothesis about its relationships. – Int. J. Acarol. **24** (1): 45 – 51
- & E. E. LINDQUIST (1989): Life history and behavior of mites in the genus *Lasioseius* (Acari, Mesostigmata, Ascidae) from grassland soils in Colorado, with taxonomic notes and description of a new species. – Can. J. Zool. **67**: 2797 – 2813
- & – (1997): Australian species of *Lasioseius* (Acari, Mesostigmata, Ascidae): the *porulosus* group and other species from rainforest canopies. – Invertebr. Taxon. **11**: 525 – 547
- WESTERBOER, I. (1963): Die Familie Podocinidae Berlese, 1916. – In: STAMMER, H. J. (ed.), Beiträge zur Systematik und Ökologie mitteleuropäischer Acarina, Band II, Mesostigmata 1. Akad. Verlagsgesellschaft, Leipzig: 179 – 450
- WILLMANN, C. (1939): Terrestrische Acari der Nord- und Ostseeküste. – Abh. Naturw. Ver. Bremen **31**: 521 – 550
- (1949): Beiträge zur Kenntnis des Salzgebietes von Ciechocinek. 1. Milben aus den Salzwiesen und Salzmooren von Ciechocinek an der Weichsel. – Veröff. Mus. Nat.-Völker-Handelsk. Bremen (A) **1**: 106 – 135
- (1952): Die Milbenfauna der Nordseeinsel Wangerooge. – Veröff. Inst. Meeresf. Bremerhaven **1** (2): 139 – 186

Index of species and subgenera

Bold-italic page numbers refer to keys, bold-faced page numbers refer to figures, in standard type face page numbers refer to subgenera, type species for the genus and the subgenera, synonyms, excluded species, species inquirendae.

<i>Ameroseius imitans</i> Berlese, 1910.....	108, 115
<i>Borinquolaelaps</i> Fox, 1946.....	100, 105, 106 , 141, 143
<i>Borinquolaelaps dentatus</i> Fox, 1946.....	106, 141, 142, 147
<i>Cheiroseius inguinalis</i> Karg, 1979.....	127, 128
<i>Criniacus</i> Karg, 1980.....	106
<i>Crinidens</i> Karg, 1980.....	100, 105, 106 , 148, 152, 172, 198
<i>Cuspiacus</i> n. subg.....	100, 105, 106 , 205, 207, 219
<i>Endopodalius</i> n. subg.....	100, 105, 106 , 134, 136
<i>Gamasus oblongus</i> Ewing, 1909.....	206, 213
<i>Hyattella americanella</i> De Leon, 1944.....	197, 202
<i>Hyattella epicriodes</i> Krantz, 1962.....	108, 118
<i>Hypoaspis ometes</i> Oudemans, 1903.....	169, 180
<i>Hypoaspis scutalis</i> Banks, 1914.....	135, 140

<i>Lasioseius</i> s. str.	100, 105, 106 , 107, 111, 128
<i>L. aba</i> Baker & Wharton, 1952.....	105, 109, 119
<i>L. allii</i> Chant, 1958 (Figs 1.1.1. – 1.1.4.).....	107 , 111
<i>L. alpinus</i> Schweizer, 1949.....	238
<i>L. alter</i> Vitzthum, 1925 (Fig. 3.7.).....	106, 134, 135 , 140
<i>L. americanellus</i> (De Leon, 1944) (Fig. 7.7.).....	197 , 202
<i>L. americanus</i> Chant, 1963 (Fig. 2.3.).....	127 , 130
<i>L. analis</i> Evans, 1958 (Figs 4.7.1. – 4.7.2.).....	142 , 146
<i>L. angustus</i> Evans & Sheals, 1959 (Fig. 8.12.).....	206 , 214
<i>L. annandalei</i> Bhattacharyya & Bhattacharyya, 2001 (Fig. 1.14.).....	108 , 119
<i>L. araucariae</i> Hirschmann, 1972 (Figs 3.2.1. – 3.2.2.).....	134 , 136
<i>L. arboreus</i> Chant, 1963 (Fig. 9.23.).....	218 , 234
<i>L. athiasae</i> Nawar & Nasr, 1991.....	169, 179
<i>L. athiashenriotae</i> De Leon, 1963 (Figs 4.2.1. – 4.2.2.).....	141 , 143
<i>L. aurora</i> Vitzthum, 1925.....	238
<i>L. bakeri</i> Chant, 1958.....	238
<i>L. bengalensis</i> Chatterjee & Gupta, 2003.....	239
<i>L. berlesei</i> (Oudemans, 1938) (Figs 1.15.1. – 1.15.3.).....	101, 109 , 119
<i>L. berlesei</i> sensu WESTERBOER, 1963.....	110, 124
<i>L. bilineatus</i> Karg, 1976 (Figs 6.5.1. – 6.5.2.).....	168 , 174
<i>L. bispinosus</i> Evans 1958 (Fig. 1.24.).....	110 , 126
<i>L. boomsmai</i> Womersley, 1956 (Fig. 9.9.).....	216 , 226
<i>L. borealis</i> var. <i>temperatus</i> Berlese, 1916.....	238
<i>L. breviacutus</i> n. sp. (Figs 5.3.1. – 5.3.2.).....	149 , 153
<i>L. brevisternus</i> Berlese, 1916.....	239
<i>L. camudembelemensis</i> Aswegen & Loots, 1969 (Fig. 1.21.).....	109 , 123
<i>L. capillatus</i> Berlese, 1916.....	238
<i>L. carrisseensis</i> Aswegen, & Loots, 1969 (Fig. 1.6.).....	108 , 114
<i>L. carvalhoi</i> Aswegen & Loots, 1969 (Fig. 2.9.).....	128 , 134
<i>L. cetratus</i> Sellnick, 1940.....	238
<i>L. chelaserratus</i> Naem, Dobkin & OConner, 1985 (Figs 8.2.1. – 8.2.2.).....	205 , 207
<i>L. chenpengi</i> Ma & Yin, 1999 (Figs 9.17.1. – 9.17.4.).....	217 , 230
<i>L. cinnyris</i> Fain & Mariaux, 1991 (Figs 9.18.1. – 9.18.2.).....	217 , 231
<i>L. cochlearis</i> n. sp. (Figs 5.8.1. – 5.8.2.).....	149 , 157
<i>L. confusus</i> Evans, 1958 (Figs 9.4.1. – 9.4.2.).....	215 , 221
<i>L. consocius</i> Berlese, 1916.....	239
<i>L. convexus</i> Krantz, 1962 (Fig. 3.1.).....	134 , 136
<i>L. conviva</i> Berlese, 1916.....	238
<i>L. corticeus</i> Lindquist, 1971 (Figs 6.10.1. – 6.10.5.).....	106, 148, 168 , 177
<i>L. cortisimilis</i> Karg, 1994 (Fig. 6.6.).....	168 , 175
<i>L. cristatus</i> Hull, 1925.....	239
<i>L. cuppa</i> Walter & Lindquist, 1997 (Figs 6.8.1. – 6.8.2.).....	168 , 176
<i>L. cynari</i> Chant, 1963 (Fig. 5.14.).....	150 , 161
<i>L. daanensis</i> Ma, 1996 (Fig. 9.5.).....	215 , 222
<i>L. dendroctoni</i> Chant, 1963 (Fig. 8.4.).....	205 , 209
<i>L. dentatus</i> (Fox, 1946) (Fig. 4.8.).....	142 , 147

<i>L. dentriticus</i> Berlese, 1918	238
<i>L. diffindatus</i> n. nom. (Fig. 1.23.)	110, 125
<i>L. drosophilii</i> Chant, 1963	106, 238
<i>L. dundoensis</i> Aswegen & Loots, 1969 (Fig. 1.19.)	109, 122
<i>L. dupliramus</i> Karg, 1994 (Fig. 4.10.)	142, 148
<i>L. durumae</i> Krantz, 1962 (Fig. 8.8.)	206, 212
<i>L. eccoptogasteris</i> Vitzthum, 1923	238
<i>L. elegans</i> Fain, Hyland & Aitken, 1977 (Figs 6.22.1. – 6.22.5.)	170, 188
<i>L. epicriodopsis</i> De Leon, 1963 (Figs 5.5.1. – 5.5.2.)	149, 155
<i>L. epicrioides</i> (Krantz, 1962) (Fig. 1.12.)	108, 118
<i>L. euarmatus</i> Karg, 1994 (Fig. 6.28.)	171, 193
<i>L. eupodis</i> Karg, 1994 (Fig. 7.4.)	197, 201
<i>L. fimetorum</i> Karg, 1971 (Figs 6.16.1. – 6.16.2.)	169, 183
<i>L. fissurae</i> Karg, 1980 (Figs 5.12.1. – 5.12.2.)	150, 160
<i>L. fissuratus</i> Berlese, 1916	239
<i>L. fissuratus</i> var. <i>nostras</i> Berlese, 1916	239
<i>L. fleschneri</i> , Chant, 1963 (Fig. 9.22.)	217, 234
<i>L. floralis</i> Karg, 1976 (Fig. 5.16.)	150, 162
<i>L. floridensis</i> Berlese, 1916	239
<i>L. formosus</i> Westerboer, 1963 (Fig. 9.6.)	215, 222
<i>L. frankbakkeri</i> Faraji & Karg, 2005 (Figs 7.9.1. – 7.9.2.)	197, 204
<i>L. frondeus</i> Karg, 1965	110, 124
<i>L. frontalis</i> Evans & Sheals, 1959 (Fig. 1.2.)	107, 112
<i>L. fucicola</i> Halbert, 1920	238
<i>L. furcisetus</i> Athias-Henriot, 1959 (Figs 5.19.1. – 5.19.2.)	151, 164
<i>L. garambae</i> Krantz, 1962 (Fig. 9.27.)	218, 236
<i>L. glaber</i> var. <i>curtipes</i> Halbert, 1923	238
<i>L. glomerulus</i> Karg, 1979 (Fig. 7.8.)	197, 203
<i>L. gracilis</i> Halbert, 1923	238
<i>L. grandis</i> Berlese, 1916	239
<i>L. helvetius</i> Chant, 1958 (Fig. 8.1.)	106, 205, 207
<i>L. hirschmanni</i> n. nom. (Fig. 3.6.)	135, 139
<i>L. humberti</i> Athias-Henriot, 1959 (Fig. 3.3.)	135, 137
<i>L. hystrix</i> Hirschmann & Rühm, 1953	238
<i>L. hystrix</i> Vitzthum, 1923	238
<i>L. imitans</i> (Berlese, 1910) (Fig. 1.8.)	108, 115
<i>L. inconspicuus</i> Westerboer, 1963 (Fig. 6.29.)	171, 194
<i>L. inguinalis</i> Karg, 1976 (Fig. 2.7.)	128, 132
<i>L. innumerabilis</i> Berlese, 1918	238
<i>L. insularis</i> Willmann, 1952	238
<i>L. japonicus</i> Ehara, 1965 (Figs 5.17.1. – 5.17.2.)	151, 163
<i>L. jilinensis</i> Ma, 1996 (Figs 9.7.1. – 9.7.5.)	216, 223
<i>L. jugatus</i> Hull, 1925	239
<i>L. jüradeus</i> Schweizer, 1949	238
<i>L. kargi</i> Christian, 1990	110, 125
<i>L. kargi</i> Kandil, 1980 (Fig. 6.24.)	170, 191

<i>L. kinikinik</i> Walter & Lindquist, 1989 (Figs 6.2.1. – 6.2.2.).....	167, 172
<i>L. kirai</i> Ishikawa, 1976 (Figs 1.10.1. – 1.10.2.).....	108, 116
<i>L. krantzi</i> Chant, 1963 (Fig. 9.16.).....	217, 229
<i>L. kshamae</i> Bhattacharyya, 2003 (Figs 1.11.1. – 1.11.2.).....	108, 117
<i>L. laciniatus</i> n. sp. (Fig. 5.10.).....	150, 158
<i>L. lacunosus</i> Westerboer, 1963 (Fig. 5.7.).....	149, 156
<i>L. lanciolatus</i> Chant, 1963 (Fig. 9.15.).....	217, 229
<i>L. lasiodactyli</i> Ishikawa, 1969.....	215, 219
<i>L. lawrencei</i> (Evans, 1958) (Fig. 1.22.).....	110, 124
<i>L. leptoscuti</i> Karg, 1994 (Fig. 4.5.).....	142, 145
<i>L. liaohaorongae</i> Ma, 1996 (Figs 8.6.1. – 8.6.3.).....	206, 210
<i>L. lindquisti</i> Nasr & Abou-Awad, 1987 (Figs 9.2.1. – 9.2.2.).....	215, 220
<i>L. listrophorus</i> Berlese, 1916 sensu SCHWEIZER, 1924.....	238
<i>L. liuchungfui</i> Samsinak, 1964 (Figs 6.21.1. – 6.21.2.).....	170, 186
<i>L. longisetosus</i> Postner, 1951 in lit.	238
<i>L. longisetus</i> Aswegen & Loots, 1969 (Fig. 2.6.).....	128, 131
<i>L. magnanalis</i> Thor, 1930.....	239
<i>L. major</i> Halbert, 1923.....	238
<i>L. manyarae</i> Hurlbutt, 1972 (Fig. 6.15.).....	169, 183
<i>L. marinus</i> Willmann, 1952.....	238
<i>L. matthyssei</i> Chant, 1963 (Fig. 9.3.).....	215, 221
<i>L. mcgregori</i> Chant, 1963.....	215, 219
<i>L. medius</i> Gu & Guo, 1994 (Fig. 9.25.).....	218, 235
<i>L. meridionalis</i> Chant, 1963 (Fig. 6.12.).....	169, 180
<i>L. mexicanus</i> (Banks, 1905).....	239
<i>L. michaeli</i> Halbert, 1923.....	239
<i>L. mirabilis</i> Christian & Karg, 1992 (Fig. 9.13.).....	216, 228
<i>L. miscellus</i> n. sp. (Fig. 1.20.).....	109, 123
<i>L. moestairi</i> Schweizer, 1949.....	239
<i>L. multidentatus</i> Karg, 1994 (Fig. 4.3.).....	141, 144
<i>L. multisetus</i> Chant, 1963 (Fig. 8.3.).....	205, 208
<i>L. multispathus</i> Gu & Huang, 1990 (Fig. 9.14.).....	216, 228
<i>L. mumai</i> De Leon, 1963 (Fig. 6.7.).....	168, 175
<i>L. musunguensis</i> Aswegen & Loots, 1969 (Fig. 2.4.).....	127, 130
<i>L. mutilus</i> Berlese, 1916.....	239
<i>L. nambirimae</i> Krantz, 1962 (Fig. 6.26.).....	171, 192
<i>L. neometes</i> McGraw & Farrier, 1969 (Fig. 6.25.).....	171, 192
<i>L. nivalis</i> Schweizer, 1961.....	239
<i>L. nomus</i> Athias-Henriot, 1959 (Fig. 4.4.).....	141, 144
<i>L. oblongus</i> (Ewing, 1909) (Fig. 8.11.).....	206, 213
<i>L. oculus</i> Karg, 1980 (Fig. 5.20.).....	151, 165
<i>L. ometes</i> (Oudemans, 1903) (Figs 6.13.1. – 6.13.5.).....	169, 180
<i>L. ometisimilis</i> Hirschmann, 1963 (Figs 5.21.1. – 5.21.2.).....	151, 165
<i>L. operculi</i> , Karg, 1980 (Fig. 4.9.).....	142, 147
<i>L. paliger</i> Berlese, 1916.....	239
<i>L. parabispinosus</i> Kandil, 1980 (Fig. 1.25.).....	110, 126

<i>L. parapodicus</i> Berlese, 1916.....	240
<i>L. parberlesei</i> Bhattacharyya, 1968 (Figs 1.16.1. – 1.16.2.).....	109, 120
<i>L. parvanalis</i> Thor, 1930.....	240
<i>L. parvulus</i> Berlese, 1916.....	240
<i>L. patellae</i> n. sp. (Fig. 5.13.).....	150, 160
<i>L. paucisetosus</i> Westerboer, 1963.....	215, 219
<i>L. paucispathus</i> Gu & Wang, 1990 (Fig. 1.17.).....	109, 121
<i>L. pellitus</i> Karg, 1994 (Fig. 4.1.).....	141, 143
<i>L. penicilliger</i> Berlese, 1916 sensu HUGHES, 1961 (Fig. 5.18.).....	151, 164
<i>L. peritremus</i> Nasr & Abou-Awad, 1987 (Fig. 5.2.).....	149, 152
<i>L. peterfuldi</i> Ohmer, Fains & Schuchmann, 1991 (Figs 7.2.1. – 7.2.2.).....	196, 199
<i>L. phytoseioides</i> Chant, 1963 (Fig. 9.12.).....	216, 227
<i>L. plenosetosus</i> n. sp. (Fig. 9.24.).....	218, 235
<i>L. plumatus</i> Karg, 1980 (Fig. 6.20.).....	170, 186
<i>L. pluracuspidis</i> n. sp. (Fig. 5.22.).....	151, 166
<i>L. pluvius</i> n. sp. (Figs 9.28.1. – 9.28.2.).....	218, 237
<i>L. podocinooides</i> Berlese, 1916 (Figs 5.15.1. – 5.15.2.).....	150, 162
<i>L. polonicus</i> Willmann, 1949.....	239
<i>L. polydesmophilus</i> Evans & Sheals, 1959 (Fig. 1.3.).....	107, 113
<i>L. porulosus</i> De Leon, 1963 (Fig. 9.21.).....	217, 233
<i>L. postanalis</i> n. sp. (Fig. 5.9.).....	150, 158
<i>L. praeivius</i> Gu & Guo, 1994 (Fig. 9.26.).....	218, 236
<i>L. proteae</i> Ryke, 1964.....	215, 219
<i>L. pulvisculus</i> Berlese, 1920.....	239
<i>L. punctatus</i> Gu & Huang, 1990 (Fig. 1.13.).....	108, 118
<i>L. punctocentralis</i> n. sp. (Fig. 2.8.).....	128, 133
<i>L. punjabensis</i> Bhattacharyya & Sanyal, 2002 (Fig. 9.10.).....	216, 226
<i>L. pusillus</i> Berlese, 1916.....	240
<i>L. qianensis</i> Gu & Wang, 1990 (Fig. 1.7.).....	108, 115
<i>L. quadrisetosus</i> Chant, 1960 (Fig. 6.3.).....	168, 173
<i>L. quandong</i> Walter & Lindquist, 1997 (Figs 7.1.1. – 7.1.2.).....	196, 198
<i>L. queenslandicus</i> (Womersley, 1956) (Fig. 6.11.).....	169, 179, 206, 211
<i>L. queenslandicus</i> Domrow, 1956.....	206, 211
<i>L. quinisetosus</i> Lindquist & Karg, n. nom. (Fig. 2.1.).....	127, 128
<i>L. reticulatus</i> Bhattacharyya, 1968 (Figs 6.30.1. – 6.30.2.).....	171, 194
<i>L. rostratus</i> Karg, 1996 (Figs 6.19.1. – 6.19.2.).....	170, 185
<i>L. rühmi</i> Hirschmann, 1972 (Fig. 1.5.).....	107, 114
<i>L. safroi</i> (Ewing, 1920) (Fig. 8.5.).....	205, 209
<i>L. sagittarius</i> Ishikawa, 1976 (Fig. 5.1.).....	148, 152
<i>L. salinus</i> Halbert, 1920.....	239
<i>L. saltatus</i> Karg, 1980 (Fig. 7.3.).....	197, 200
<i>L. scapulatosimilis</i> Karg, 1980 (Fig. 6.1.).....	167, 172
<i>L. scapulatus</i> Kennett, 1958 (Fig. 9.8.).....	216, 225
<i>L. scapulatus</i> sensu ATHIAS-HENRIOT, 1959.....	167, 172
<i>L. schizopilus</i> Gu & Huang, 1990 (Fig. 1.18.).....	109, 121
<i>L. scutalis</i> (Banks, 1914) (Fig. 3.8.).....	135, 140

<i>L. serradentis</i> n. sp. (Fig. 6.32.)	171, 196
<i>L. setosulus</i> Berlese, 1916	240
<i>L. sewai</i> Nasr & Abou-Awad, 1987 (Fig. 6.23.)	170, 190
<i>L. similis</i> Berlese, 1916	240
<i>L. similis</i> Schweizer, 1949	239
<i>L. sinensis</i> Bei & Yin, 1995 (Fig. 1.4.)	107, 113
<i>L. spatulus</i> Gu & Wang, 1990 (Fig. 8.9.)	206, 212
<i>L. spectabilis</i> De Leon, 1963 (Figs 5.4.1. – 5.4.3.)	149, 154
<i>L. sphagni</i> Halbert, 1923	239
<i>L. spinatus</i> Sellnick, 1940	240
<i>L. spinosus</i> Willmann, 1939	239
<i>L. sublaevis</i> Berlese, 1916	240
<i>L. subterraneus</i> Chant, 1963 (Fig. 8.7.)	206, 211
<i>L. sugawarai</i> Ehara, 1964 (Figs 6.17.1. – 6.17.2.)	169, 184
<i>L. sylvestris</i> Pinchuk, 1972	105, 109, 119
<i>L. tarsalis</i> Berlese, 1918	239
<i>L. tectus</i> (Hyatt, 1964) (Fig. 3.5.)	135, 139
<i>L. tenuidentis</i> n. sp. (Fig. 7.6.)	197, 202
<i>L. tenuipes</i> sensu SCHWEIZER, 1922	239
<i>L. terrestris</i> Menon & Ghai, 1968 (Figs 8.10.1. – 8.10.2.)	206, 213
<i>L. tetraspinosus</i> Karg, 1980 (Figs 6.27.1. – 6.27.2.)	171, 193
<i>L. thermophilus</i> Willmann, 1942 (Fig. 6.31.)	171, 195
<i>L. tomokoae</i> Ishikawa, 1969 (Fig. 5.6.)	149, 155
<i>L. traveni</i> Walter & Lindquist, 1997 (Fig. 9.19.)	217, 232
<i>L. triangularis</i> Bhattacharyya & Sanyal, 2002 (Fig. 9.20.)	217, 232
<i>L. tricuspis</i> n. sp. (Fig. 5.11.)	150, 159
<i>L. tridentatus</i> Baker, Delfinado & Abbatiello, 1976 (Fig. 6.18.)	170, 185
<i>L. tridentis</i> Karg, 1979 (Fig. 7.5.)	197, 201
<i>L. trifurcispilus</i> Gu & Guo, 1996 (Fig. 1.9.)	108, 116
<i>L. trigonus</i> Karg, 1994 (Figs 4.6.1. – 4.6.2.)	142, 145
<i>L. tuberculatus</i> Karg, 1980 (Fig. 6.14.)	169, 182
<i>L. uluguruensis</i> Aswegen & Loots, 1969 (Fig. 2.2.)	127, 129
<i>L. uncinatus</i> Sellnick, 1940	240
<i>L. ventritrichosus</i> Schweizer, 1949	239
<i>L. venustus</i> Berlese, 1916	239
<i>L. vitzthumi</i> Westerboer, 1963 (Figs 3.4.1. – 3.4.2.)	135, 138
<i>L. wangi</i> Ma, 1988 (Fig. 9.11.)	216, 227
<i>L. wondjina</i> Walter & Lindquist, 1997 (Fig. 6.9.)	168, 176
<i>L. yadongensis</i> Ma & Wang, 1997	239
<i>L. yini</i> Bai, Fang & Chen, 1995	239
<i>L. youcefi</i> Athias-Henriot, 1959 (Fig. 9.1.)	215, 219
<i>L. zaluckii</i> Walter & Lindquist, 1997 (Fig. 2.5.)	128, 131
<i>L. zerconoides</i> Willmann, 1954 (Fig. 6.4.)	168, 173
<i>L. zicsii</i> Kandil, 1980 (Fig. 1.26.)	110, 127
<i>Platyseius nidus</i> Pinchuk, 1972	215, 221

<i>Platyseius queenslandicus</i> Womersley, 1956.....	169, 179
<i>Proctolaelaps lawrencei</i> Evans, 1958	110, 124
<i>Seius muricatus</i> Berlese ex Koch, 1887.....	102, 105, 109, 119
<i>Seius muricatus</i> C. L. Koch, 1835	102, 105
<i>Seius safroii</i> Ewing, 1920.....	205, 209
<i>Typhlodromus berlesei</i> Oudemans, 1938.....	102, 105, 106, 107, 109, 119
<i>Zygoseius alter</i> sensu BHATTACHARYYA, 1969.....	135, 139
<i>Zygoseius tectus</i> Hyatt, 1964	135, 139

Deposition of types:

Holotypes and paratypes are deposited in the scientific collections of the Staatliches Museum für Naturkunde Görlitz.

Acknowledgments: We are indebted to Prof. Dr A. Zicsi, Budapest, for sending us Gamasid mites gathered in Ecuador, furthermore Dipl.-Ing. U. Karg for his assistance in preparing the manuscript and Dipl.-Chem. K. Franke for technical assistance, especially for scanning drawings.

We wish to express our thanks to Dr David R. Russell (Görlitz) for special English corrections.

Finally, the authors are very grateful to all colleagues named in the following, who kindly gave their permission to use figures from their papers in this volume (as indicated in the legends):

Bei, N., Liaoning, China
 Bhattacharyya, A. K., Jodhpur, India
 Chant, D., Madoc, Canada
 Ehara, S., Tottori, Japan
 Evans, G. O., West Sussex, United Kingdom
 Fain, A., Bruxelles, Belgium
 Farrier, M., Raleigh, USA
 Gwiazdowicz, D. J., Poznan, Poland
 Ishikawa, K., Matsuyama, Japan
 Krantz, G. W., Corvallis, USA
 Lee, W.-K., Chonju, Korea
 Lindquist, E., Ottawa, Canada
 Loots, G. C., Potchefstroom, South Africa
 Ma, L.-M., Baicheng City, China
 Naeem, S., New York, USA
 Nasr, A. K., Cairo, Egypt
 Samsinak, K., Sobotka, Czech Republic
 Schuchmann, K.-L., Bonn, Germany
 Walter, D. E., Edmonton, Canada
 Westerboer, I., Regensburg, Germany

Manuscript accepted: 21 July 2005

Authors' addresses:

Dr Axel Christian
Staatliches Museum für Naturkunde Görlitz
Postfach 300 154
02806 Görlitz, Germany
e-mail: Axel.Christian@smng.smwk.sachsen.de

Prof. Dr Wolfgang Karg
Hohe Kiefer 152
14532 Kleinmachnow, Germany