

## New species and new records of linyphiid spiders from Israel (Aranei: Linyphiidae)

## Новые виды и новые находки пауков-линифиид из Израиля (Aranei: Linyphiidae)

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KEY WORDS: Spiders, Erigoninae, new species, new records, Levant.

КЛЮЧЕВЫЕ СЛОВА: Пауки, Erigoninae, новые виды, новые находки, Левант.

**ABSTRACT.** Four new species of linyphiid spiders are described from Israel: *Pelecopsis levantensis* sp.n., *Silometopus minutus* sp.n., *S. pectinatus* sp.n. and *Walckenaeria galilea* sp.n. Three species, *Brachycerasphora convexa* (Simon, 1884), *B. parvicornis* (Simon, 1884) and *Thaumatoncus secundus* Bosmans, 2002, are recorded from the country for the first time. A supplemented list of 43 linyphiid spiders of Israel is given, coupled with their distribution patterns. The linyphiid fauna of Israel can preliminarily be characterized as Mediterranean, with a high proportion of presumed Levantine faunistic elements (28%) and a very low share of widespread species (9%). The influence of the North African centre of linyphiid diversity on the western Levantine linyphiid fauna is expressed much more strongly than that of the Central Asian one.

**РЕЗЮМЕ.** Из Израиля описаны *Pelecopsis levantensis* sp.n., *Silometopus minutus* sp.n., *S. pectinatus* sp.n. и *Walckenaeria galilea* sp.n. Три вида, *Brachycerasphora convexa* (Simon, 1884), *B. parvicornis* (Simon, 1884) и *Thaumatoncus secundus* Bosmans, 2002, впервые отмечены в фауне страны. Приведен обновлённый и дополненный список 43 видов линифиид Израиля с указанием типа ареала. Фауну Израиля в целом можно охарактеризовать как средиземноморскую, с высокой долей видов, вероятно, левантийского распространения (28%) и малым участием широкоареальных элементов (9%). Влияние североафриканского центра разнообразия Linyphiidae в фауне Западного Леванта ощущается существенно ярче, чем центральноазиатского.

### Introduction

A rather recently published checklist of the spiders of Israel [Zonstein, Marusik, 2013] contained 23 spe-

cies of linyphiid spiders, four of which remained identified to the generic level only. In addition, Tanasevitch [2013] described six new linyphiid species from Israel and recorded another 12 species as new to the country. Zonstein et al. [2015] supplemented the fauna with still one more species. As a result, at the moment the fauna of Israel counts 37 linyphiids identified to species.

### Material and methods

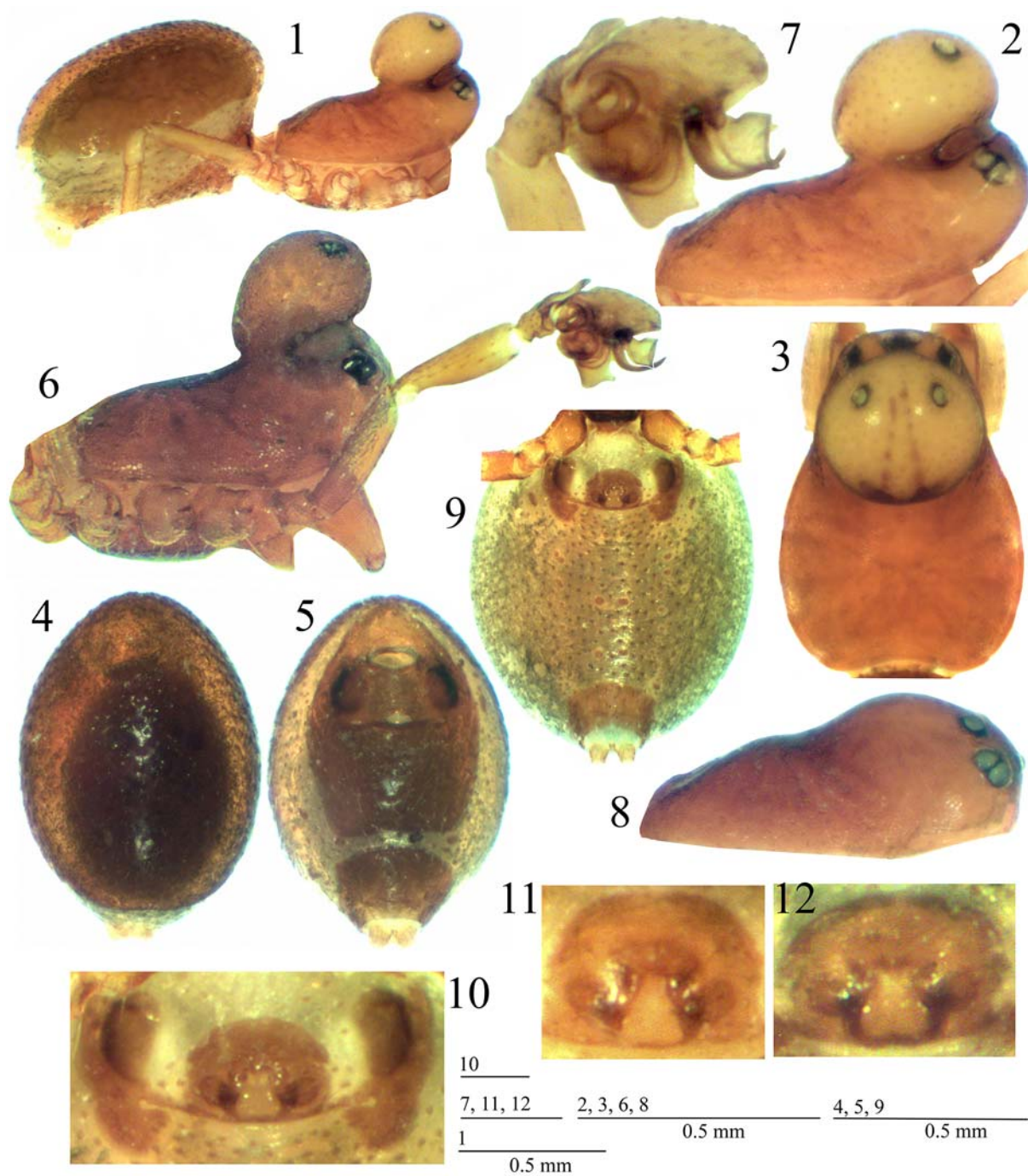
This paper is mainly based on the material kept at the Steinhardt Museum of Natural History, Tel Aviv, Israel (SMNH). Additional samples were collected by Sergei Golovatch in 2003 and by Andrei Tanasevitch, Tatiana Piterkina and Sergei Zonstein during their brief collecting trip across Israel in September 2011.

Most of the material is deposited in the SMNH, some paratypes and non-types are in the collections of the Muséum d'histoire naturelle, Geneva, Switzerland (MHNG), and of the Zoological Museum of the Moscow State University, Moscow, Russia (ZMMU).

Specimens preserved in 70% ethanol were studied using a MBS-9 stereomicroscope and a Wild compound microscope. A Levenhuk C-800 digital camera was used for the execution of some drawings. Images of multiple focal sections were combined using Helicon Focus image stacking software, version 5.3.

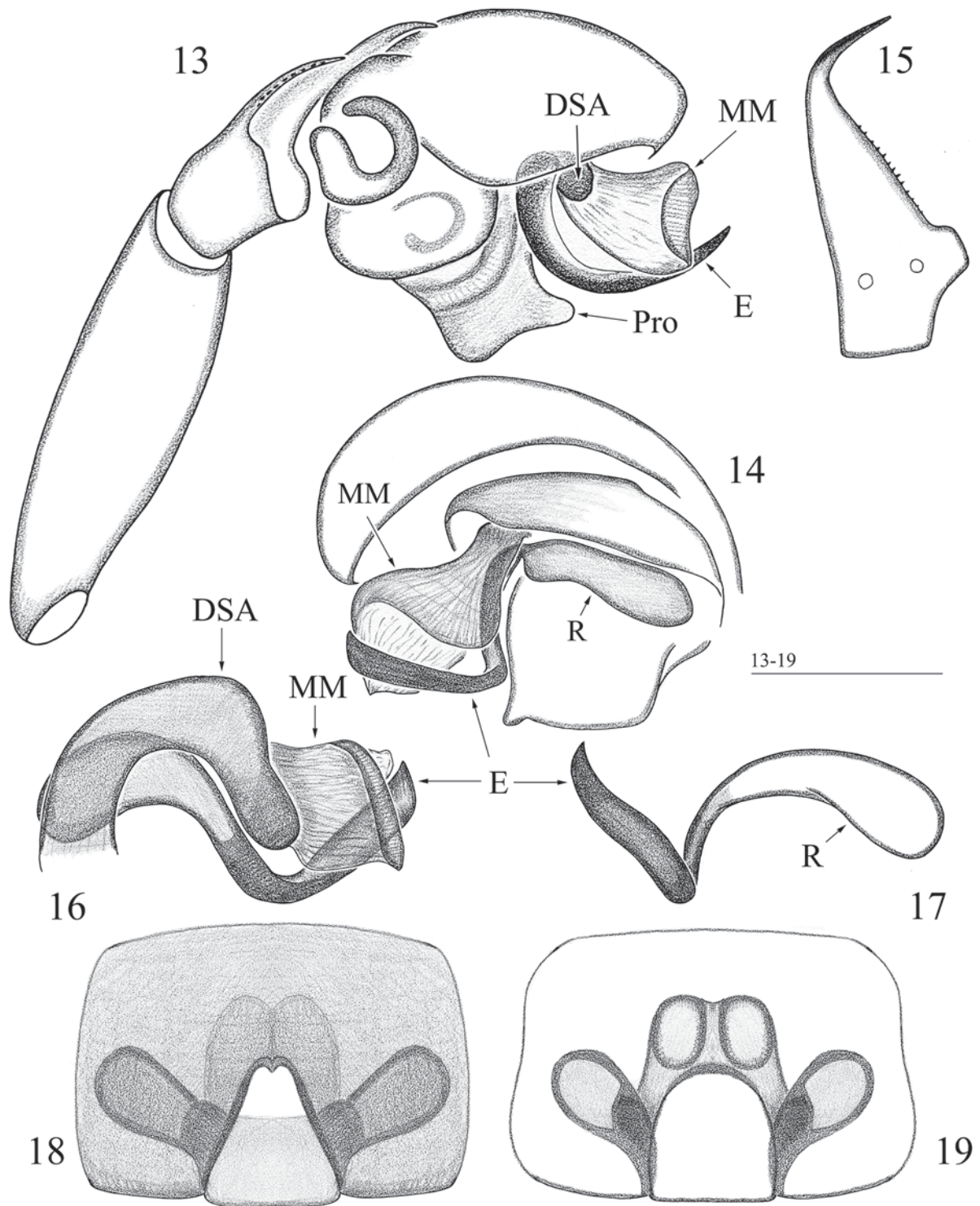
The terminology concerning the structure of the copulatory organs mainly follows that of Merrett [1963] and Hormiga [2000].

The chaetotaxy is given in a formula, e.g., 2.2.1.1, which refers to the number of dorsal spines on tibiae I–IV. The sequence of leg segment measurements is as follows: femur + patella + tibia + metatarsus + tarsus. All measurements are given in mm. Scale bars in the figures correspond to 0.1 mm unless indicated below the line.



Figs 1–12. *Pelecopsis levantensis* sp.n., paratypes from En Ya'aqov (1–6, 7–12) and from Mt Meron (6). 1–3, 6 — male carapace, 1, 2, 6 — lateral view, 3 — dorsal view; 8 — female carapace, lateral view; 4, 5 — male abdomen, dorsal and ventral views, respectively; 9 — female abdomen, ventral view; 10–12 — epigyne, ventral view.

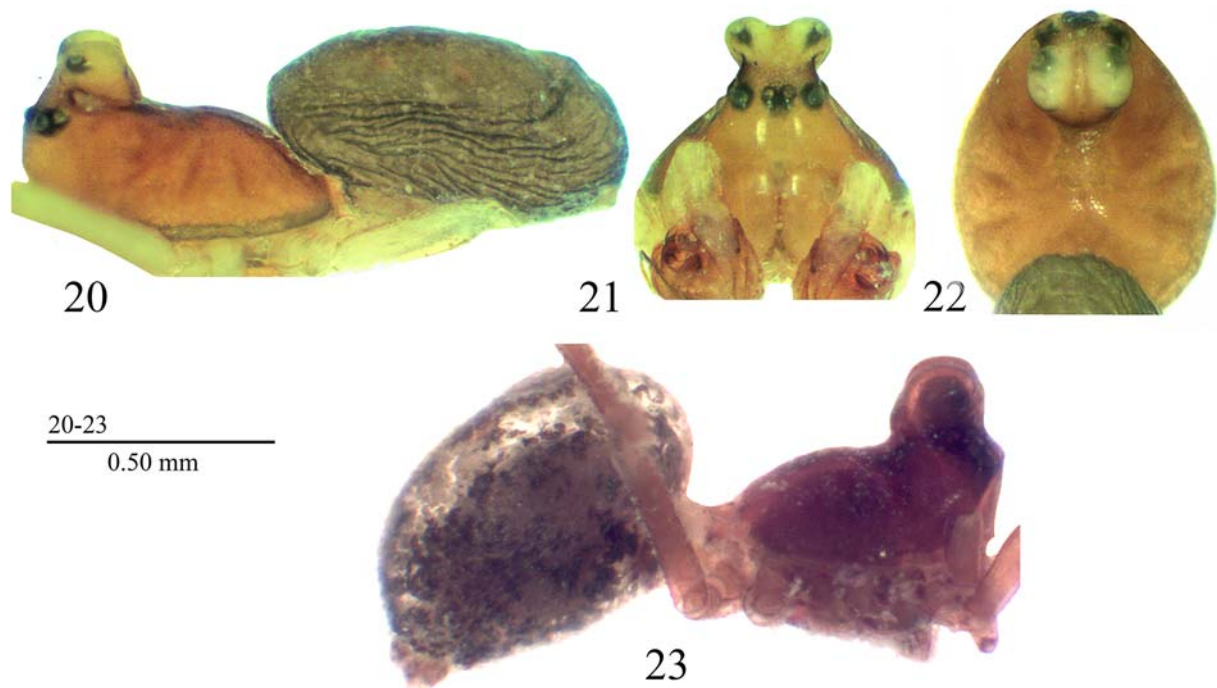
Рис. 1–12. *Pelecopsis levantensis* sp.n., паратипы из Эн Яа'аков (1–6, 7–12) и с горы Мерон (6). 1–3, 6 — карапаксы самцов, 1, 2, 6 — вид сбоку, 3 — вид сверху; 8 — карапакс самки, вид сбоку; 4, 5 — брюшко самца, вид сверху и снизу, соответственно; 9 — брюшко самки, вид снизу; 10–12 — эпигина, вид снизу.



Figs 13–19. Details of male palp structure and epigyne of *Pelecopsis levantensis* sp.n., paratypes from En Ya'aqov. 13, 14 — right palp, retro- and prolateral views, respectively; 15 — palpal tibia, dorsal view; 16 — distal suprategular apophysis and embolus; 17 — embolus; 18 — epigyne ventral view; 19 — cleared epigyne, dorsal view.

Рис. 13–19. Детали строения пальпы самца и эпигины самки *Pelecopsis levantensis* sp.n., паратипы из En Ya'aqov. 13, 14 — правая пальпа, ретро- и пролатерально, соответственно; 15 — голень пальпы, вид сверху; 16 — дистальный супратегулярный отросток и эмболюс; 17 — эмболюс; 18 — эпигина, вид снизу; 19 — просветлённая эпигина, вид сверху.





Figs 20–23. Male body and carapace of *Silometopus minutus* sp.n., holotype (20–22) and *S. pectinatus* sp.n., holotype (23). 20, 23 — body, lateral view; 21, 22 — carapace, frontal and dorsal views, respectively.

Рис. 20–23. Тело и карапакс самца *Silometopus minutus* sp.n., голотип (20–22) и *S. pectinatus* sp.n., голотип (23). 20, 23 — тело, вид сбоку; 21, 22 — карапакс, вид спереди и сверху, соответственно.

The following abbreviations are used in the text and figures: ARP — anterior radical process; DSA — distal suprategular apophysis; E — embolus; MM — median membrane; Pro — protegulum; R — radix; Tml — position of trichobothrium on metatarsus I.

## Results

### *Brachycerasphora convexa* (Simon, 1884)

**MATERIAL.** 1 ♂, 2 ♀♀ (SMNH), ISRAEL, ca 10 km SSW of Beit-Shemesh, Adullam Nature Park, 15.XI.2003, leg. U. Columbus & T. Levanony; 1 ♂ (SMNH), environs of Shoham, 25.II.2011, leg. C. Drees; 1 ♂, 1 ♀ (SMNH), Upper Galilee, environs of En Ya'aqov, 33°0'27.5"N 35°14'20.0"E, pitfall traps, 14–19.I.2007, leg. I. Shtirberg.

**REMARKS.** New to the Israeli fauna.

**DISTRIBUTION.** Algeria [Simon, 1884; Bosmans, 2007], Tunisia [Bosmans, 2007] and Israel.

### *Brachycerasphora parvicornis* (Simon, 1884)

**MATERIAL.** 1 ♂ (SMNH), ISRAEL, Central Negev Desert, Sede Boqer, 30°52'3.1"N 34°46'17.8"E, pitfall traps, 3–8.II.2007, leg. I. Shtirberg.

**REMARKS.** New to the Israeli fauna.

**DISTRIBUTION.** Egypt [Simon, 1884] and Israel.

### *Maculoncus parvipalpus* Wunderlich, 1995

**MATERIAL.** 1 ♂, 2 ♀♀ (SMNH), ISRAEL, Adullam Nature Park, 15.IV.2003, leg. U. Columbus & T. Levanony; 1 ♂, 1 ♀

(MHNG), environs of En Ya'aqov, 33°0'27.5"N 35°14'20.0"E, pitfall trap 11, 14–19.I.2007, leg. I. Shtirberg; 2 ♀♀ (SMNH), Zihron Ya'aqov, environs of the Rotshild Park, 11.IX.2011, leg. A. Tanasevitch & T. Piterkina.

**REMARKS.** In Israel this species has hitherto been reported from Haifa, based on a single female [Zonstein *et al.*, 2015].

**DISTRIBUTION.** Greece [Wunderlich, 1995], including Crete [Bosmans *et al.*, 2013], as well as Israel [Zonstein *et al.*, 2015].

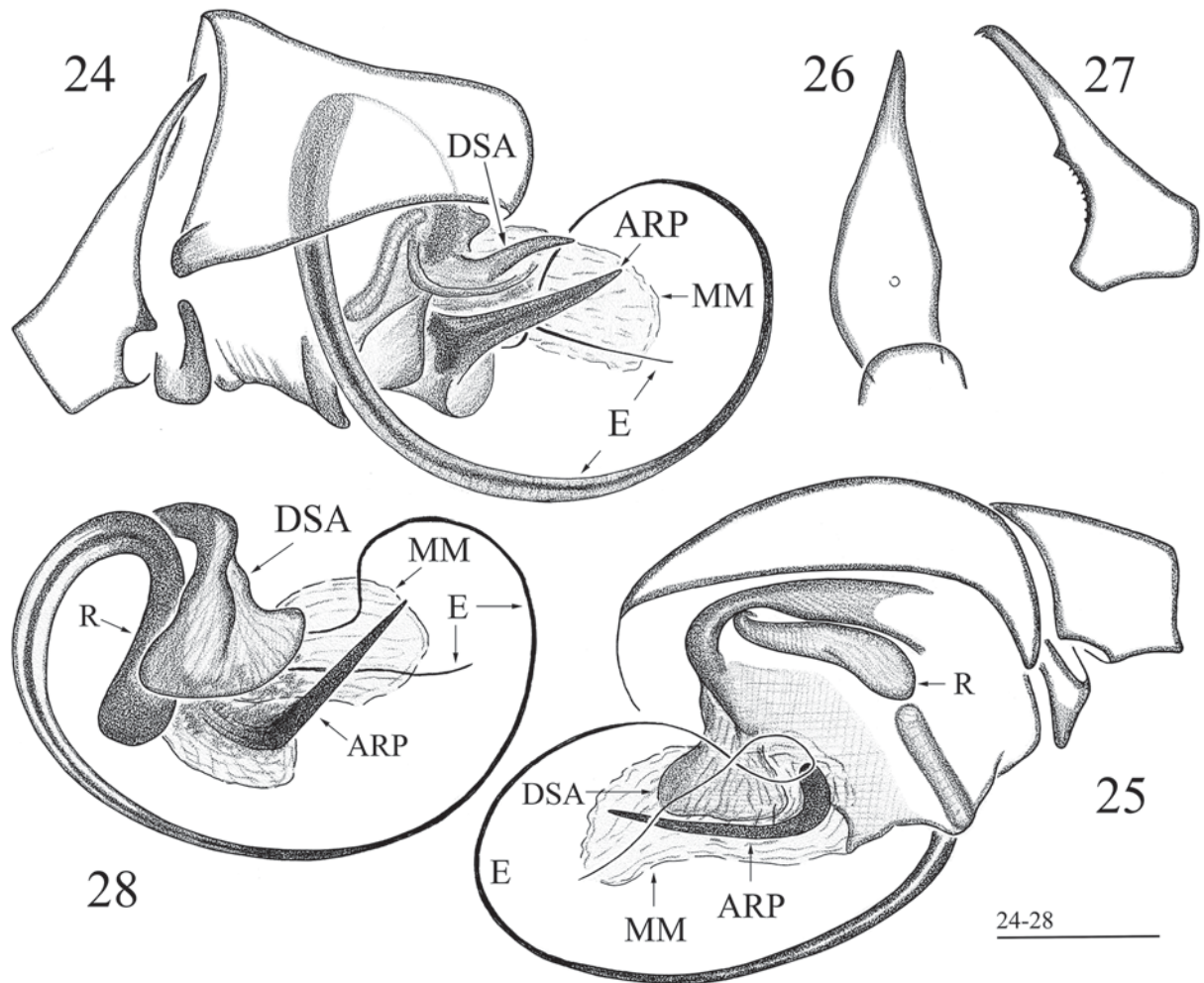
### *Pelecopsis levantensis* sp.n.

Figs 1–19.

**HOLOTYPE** ♂ (SMNH), 8 km SE of Beit-Shemesh, environs of Matta, 31°42'47.8"N 35°3'56.0"E, pitfall traps, 13–18.I.2007, leg. I. Shtirberg.

**PARATYPES.** 4 ♂♂, 2 ♀♀ (SMNH), same date and locality, 13–18.I.2007, leg. I. Shtirberg; 20 ♀♀ (SMNH), ca 10 km SSW of Beit-Shemesh, Adullam Nature Park, pitfall traps, III–IV.2003, leg. U. Columbus & T. Levanony; 16 ♂♂, 18 ♀♀ (MHNG), Upper Galilee, environs of En Ya'aqov, 33°0'27.5"N 35°14'20.0"E, pitfall traps, 14.I–19.IV.2007, leg. I. Shtirberg; 3 ♂♂, 13 ♀♀ (ZMMU), Upper Galilee, Mt Meron, Meron Field Station junction, 33°1'16.62"N 35°22'56.59"E, pitfall traps, 17–24.II.2007, leg. T. Levanony; 1 ♀ (SMNH), Ziv'on, 33°02'N 35°25'E, 773 m a.s.l., recent woodland, 21.V.2005, leg. A. Timm; 1 ♂ (SMNH), Mt Carmel, 22.II.2011, leg. C. Drees; 1 ♂ (ZMMU), Nahal Hagal, ca. 32°38.0'N 35°32.7'E, 30.I.2011, leg. L. Friedman & C. Drees.

**NAME.** The specific name is a Latin adjective, meaning the historical region of Levant.



Figs 24–28. Details of male palp structure of *Silometopus minutus* sp.n., holotype. 24, 25 — right palp, retro- and pro-lateral views, respectively; 26, 27 — palpal tibia, dorsal and pro-lateral views, respectively; 28 — distal suprategular apophysis and embolic division.

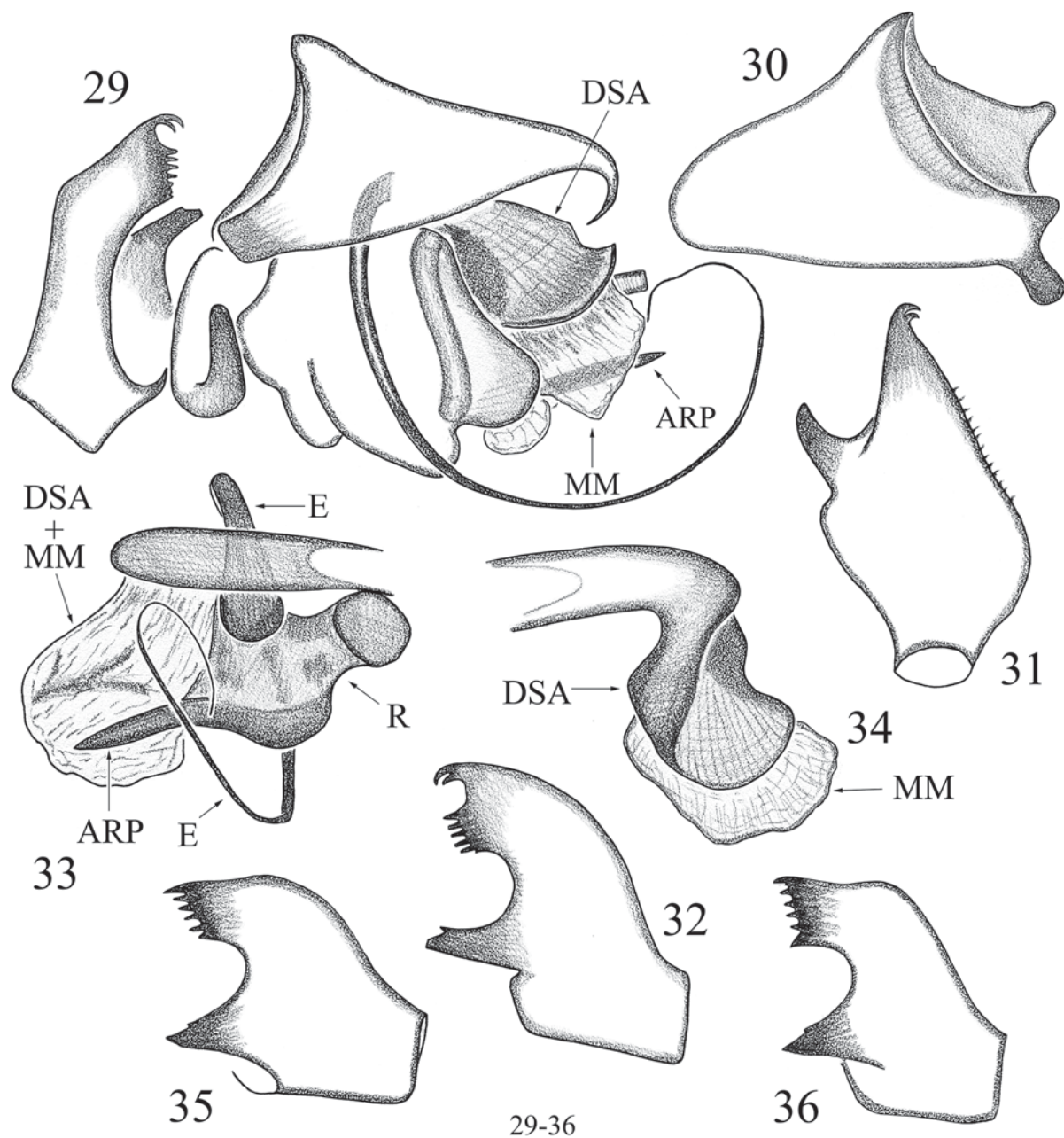
Рис. 24–28. Детали строения пальпы самца *Silometopus minutus* sp.n., голотип. 24, 25 — правая пальпа, ретро- и пролатерально, соответственно; 26, 27 — голень пальпы, вид сверху и пролатерально, соответственно; 28 — дистальный супратегулярный отросток и эмболюсный отдел.

**DESCRIPTION.** Male paratype from Matta. Total length 1.71. Carapace modified, as in Figs 1–3, 0.80 long, 0.60 wide, reddish brown. Chelicerae 0.20 long, unmodified. Legs brownish yellow. Leg I, 1.61 long ( $0.44 + 0.18 + 0.38 + 0.32 + 0.29$ ), IV, 1.87 long ( $0.56 + 0.17 + 0.53 + 0.35 + 0.26$ ). Chaetotaxy 0.0.0.0. Tml 0.55. Metatarsus IV without trichobothrium. Palp (Figs 7, 13–17): Palpal tibia elongated conically, bent distally, pointed. Paracymbium small, narrow, coiled. Tegulum with a distinct, well protruded protegulum. Distal suprategular apophysis relatively short, rounded distally. Median membrane highly developed, moderately sclerotized, protruding anteriorly, partly covering the embolus. Radix elongated, almost straight, embolus relatively thick and short, regularly curved. Abdomen 1.00 long, 0.75 wide, dorsal scutum covering almost entire dorsal surface of abdomen (Fig. 4), ventral scutum divided into two parts (Fig. 5).

**Female.** Total length 1.98. Carapace modified, as in Fig. 8, 0.81 long, 0.65 wide, reddish brown. Chelicerae 0.29 long, unmodified. Legs brownish yellow. Leg I, 1.85 long ( $0.60 + 0.18 + 0.45 + 0.36 + 0.26$ ), IV, 2.19 long ( $0.65 + 0.21 + 0.60 + 0.45 + 0.28$ ). Chaetotaxy 1.1.1.1, spines very weak, about half as long as tibia's diameter. Tml 0.50. Abdomen (Fig. 9) 1.23 long, 0.96 wide, dorsal scutum absent. Epigyne as in Figs 10–12, 18, 19.

**VARIABILITY.** The shape of the head elevation, as well as the shape and size of the sulci of the male carapace slightly vary, cp. Figs 1, 2 & Fig. 6. The protegulum also shows variability in size. The epigynes vary in length and in the degree of expression of their anterior sockets, cp. Figs 10–12, 18.

**TAXONOMIC REMARKS.** By the shape of the male carapace as well as by certain details of genital structure, *P. levantensis* sp.n. resembles many species.



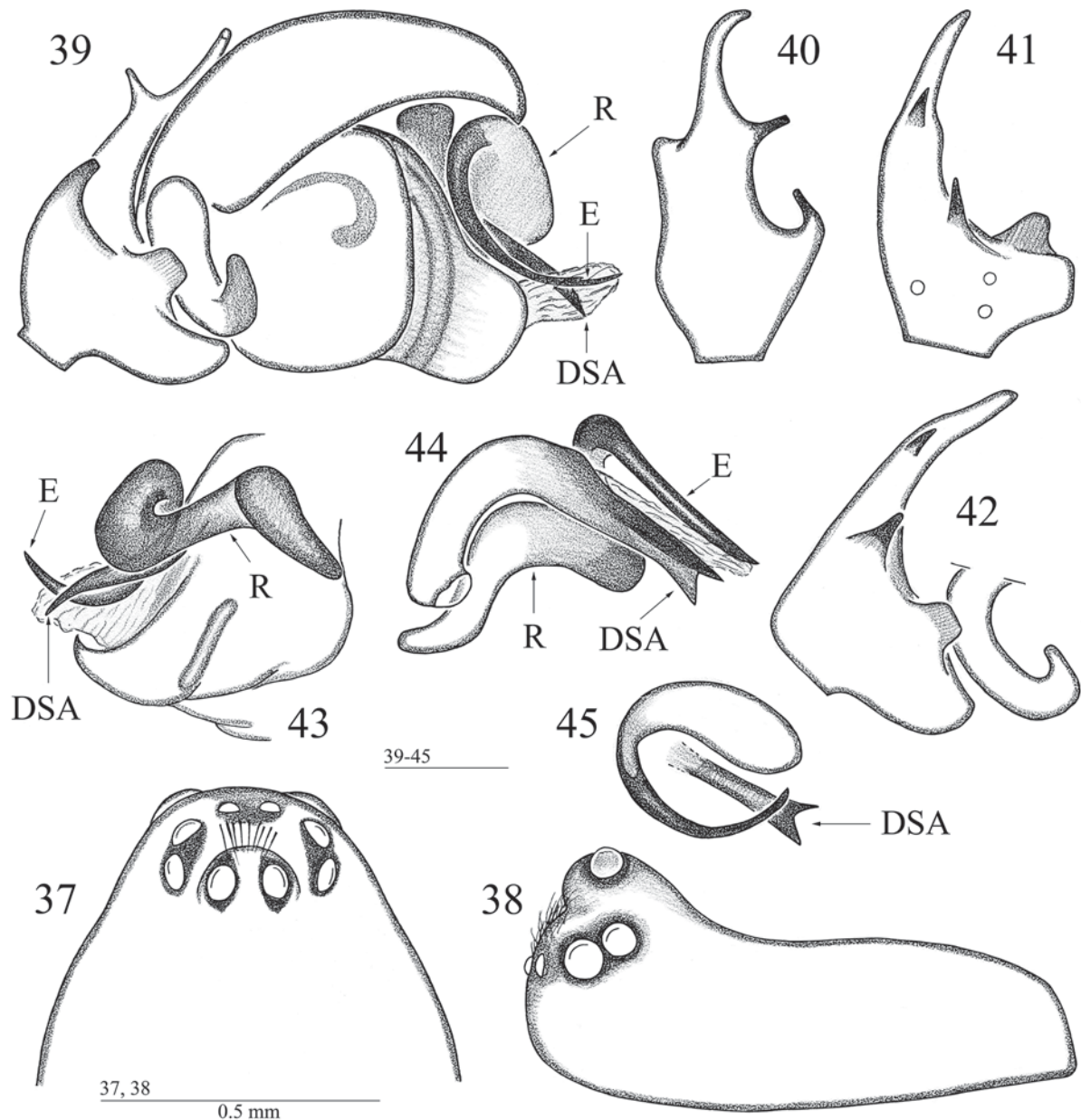
Figs 29–36. Details of male palp structure of *Silometopus pectinatus* sp.n., paratypes. 29 — right palp, retrolateral view; 30 — cymbium, prolateral view; 31, 32 — palpal tibia, dorsal and prolateral views, respectively; 33 — distal suprategular apophysis and embolic division; 34 — distal suprategular apophysis and median membrane; 35, 36 — palpal tibia of two other paratypes, prolateral view.

Рис. 29–34. Детали строения пальпы самца *Silometopus pectinatus* sp.n., паратипы. 29 — правая пальпа, ретролатерально; 30 — цимбиум, пролатерально; 31, 32 — голень пальпы, вид сверху и пролатерально; 33 — дистальный супратегулярный отросток и эмболюсный отдел; 34 — дистальный супратегулярный отросток и медиальная мембрана; 35, 36 — голень пальпы двух других паратипов, пролатерально.

For example, the shape of the male carapace is similar to that of *P. crassipes* Tanasevitch, 1987 and *Parapelecopsis nemoralis* (Blackwall, 1841), the palpal tibia resembles that of *P. elongata* (Wider, 1834), the structure of the median membrane looks very much like in *P. bicornuta* Hillyard, 1980, *P. laptevi* Tanasevitch et Fet, 1986 and *P. pavida* (O. Pickard-Cambridge, 1872).

The new species is characterized by a combination of the following features: the shape of the male carapace and palpal tibia, the presence of a ventral abdominal scutum, the absence of a posterodorsal outgrowth on the cymbium, the well-developed protegulum, the shape both of the median membrane and embolic division. The structure of the epigyne is also characteristic.





Figs 37–45. Carapace and details of male palp structure of *Walckenaeria galilea* sp.n., holotype. 37, 38 — carapace, dorsal and lateral views, respectively; 39 — right palp, retrolateral view; 40, 41 — palpal tibia, dorsal view, different aspects; 42 — palpal tibia and paracymbium, retrolateral view; 43 — anterior part of palp, prolateral view; 44, 45 — distal suprategular apophysis and embolus, lateral and frontal views, respectively.

Рис. 37–45. Карапакс и детали строения пальпы самца *Walckenaeria galilea* sp.n., голотип. 37, 38 — карапакс, вид сверху и сбоку, соответственно; 39 — правая пальпа, ретролатерально; 40, 41 — голень пальпы, вид сверху, различные аспекты; 42 — голень пальпы и парацимбиум, ретролатерально; 43 — передняя часть пальпы, пролатерально; 44, 45 — дистальный супратегулярный отросток и эмболюс, вид сбоку и спереди, соответственно.

DISTRIBUTION. Widespread in Israel.

*Silometopus minutus* sp.n.

Figs 20–22, 24–28.

HOLOTYPE ♂ (SMNH), ISRAEL, ca 10 km SSW of Beit-Shemesh, Adullam Nature Park, pitfall traps, IV.2003, U. Columbus & T. Levanyon.

NAME. The specific name is a Latin adjective, meaning a small size of the male.

DESCRIPTION. Male holotype. Total length 1.32. Carapace modified, as in Figs. 20–22, 0.63 long, 0.57 wide, pale reddish brown. Chelicerae 0.23 long, unmodified. Legs pale yellow. Leg I, 1.76 long ( $0.48 + 0.17 + 0.48 + 0.36 + 0.27$ ), IV, 1.88 long ( $0.54 + 0.17 + 0.48 + 0.39 + 0.30$ ). Chaetotaxy 0.0.0.0. TmI 0.80.

Metatarsus IV without trichobothrium. Palp (Figs 24–28): Palpal tibia elongated, narrow, pointed, with denticles apically. Cymbium conical, its proximal part with a hollow. Paracymbium small, narrow, C-shaped. Distal supratregular apophysis flat, wide. Median membrane large, partly membranized. Embolic division complex, radix partly membranized, anterior radical process dark, well-sclerotized, stylet-shaped. Embolus very long, whip-like, arising from radix. Abdomen 0.83 long, 0.53 wide, dark grey.

**TAXONOMIC REMARKS.** The new species is related to *S. pectinatus* sp.n. (see below).

**DISTRIBUTION.** Israel, known from the type locality only.

*Silometopus pectinatus* sp.n.  
Figs 23, 29–36.

**HOLOTYPE** ♂ (SMNH), ISRAEL, Upper Galilee, Mt Meron, Ziv'on, 4–11.IV.2007, leg. T. Levanyon.

**PARATYPES.** 2 ♂♂ (SMNH), 2 ♂♂ (MHNG), 1 ♂ (ZMMU), collected together with holotype.

**NOTE.** The type series is in poor condition, the chitin cover of the carapace being always exfoliated and the legs mostly absent.

**NAME.** The specific name is a Latin adjective, meaning “pectinated”, referring to the shape of the dorsal apophysis of the male palpal tibia.

**DESCRIPTION.** Male holotype. Total length 1.35. Carapace modified, as in Fig. 23, 0.60 long, 0.54 wide. Chelicerae 0.20 long, unmodified. Legs pale brown. Leg I, 1.61 long (0.42 + 0.17 + 0.42 + 0.33 + 0.27), IV, 1.73 long (0.48 + 0.18 + 0.45 + 0.38 + 0.24). Chaetotaxy 0.0.0.0. TmI 0.82. Metatarsus IV without trichobothrium. Palp (Figs 29–36): Palpal tibia highly modified, its dorsal apophysis pectinated, comb-like. Paracymbium small, L-shaped. Cymbium conical, its proximal part with a hollow. Distal supratregular apophysis flat, wide. Median membrane well-developed.

Embolic division complex, radix partly membranized, anterior radical process dark, well-sclerotized, stylet-shaped. Embolus thin, long, whip-like, arising from radix. Abdomen 0.81 long, 0.53 wide, grey.

**VARIABILITY.** The shape of the dorsal apophysis of the palpal tibia, as well as the number of its denticles show strong variability, cp. Figs 32, 35, 36.

**TAXONOMIC REMARKS.** Both new Israeli species of *Silometopus* Simon, 1926, i.e. *S. pectinatus* sp.n. and *S. minutus* sp.n., differ well by the peculiar head elevation of the male carapace which resembles that in the genus *Peponocranium* Simon, 1884; by the conical cymbium, as well as by the very long, whip-like embolus. Both new species are distinguished from each other by the shapes of the palpal tibia (cp. Figs 26, 27 & 32, 35, 36) and the head elevation of carapace (cp. Figs 20–22 & Fig. 23).

**DISTRIBUTION.** Israel, known from the type locality only.

*Thaumatoncus secundus* Bosmans, 2002

**MATERIAL.** 3 ♂♂ (MHNG), ISRAEL, Central Negev Desert, Sede Boqer, 30°52'3.1"N 34°46'17.8"E, pitfall traps, 13–18.I.2007, leg. I. Shtirberg; 1 ♂ (ZMMU), same locality, trap 9D, 3–8.II.2007, leg. I. Shtirberg; 8 ♂♂ (SMNH), Sede Boqer, 24.II.2011, leg. C. Drees.

**REMARKS.** New to the Israeli fauna.

**DISTRIBUTION.** Algeria [Bosmans, 2002] and Israel.

*Walckenaeria galilea* sp.n.  
Figs 37–45.

**HOLOTYPE** ♂ (SMNH), ISRAEL, Upper Galilee, environs of En Ya'aqov, 33°0'27.5"N 35°14'20.0"E, pitfall traps, 14–19.I.2007, leg. I. Shtirberg.

**PARATYPES.** 1 ♂ (SMNH), collected together with holotype; 4 ♂♂ (MHNG), Upper Galilee, Nahal Kzif Valley, pitfall traps, 22.II.2011, leg. C. Drees; 2 ♂♂ (ZMMU), Mt Meron, N slope, *Quercus* forest, 6.III.2003, leg. S. Golovatch; 8 ♂♂ (SMNH), Mt Meron, Field Station junction, 33°1'10.62"N 35°23'12.17"E, pitfall traps, 17–24.II.2007, leg. T. Levanyon.

**NAME.** The specific name, a noun in apposition, refers to the historical area of origin.

**DESCRIPTION.** Male holotype. Total length 2.40. Carapace slightly modified, as in Figs 37, 38, brownish red, 1.08 long, 0.80 wide. Chelicerae 0.40 long, unmodified. Legs reddish brown. Leg I, 3.36 long (0.93 + 0.25 + 0.88 + 0.80 + 0.50), IV, 3.71 long (1.03 + 0.28 + 1.00 + 0.90 + 0.50). Chaetotaxy: 2.2.1.1, spines weak, 0.5–1.0 times as long as tibia's diameter, distal spines poorly visible. TmI 0.56. Metatarsus IV with a trichobothrium. Palp (Figs 39–45): Palpal tibia strongly modified, as in Figs 40–42. Paracymbium small, L-shaped. Tegulum with a frontal rounded protrusion. Distal supratregular apophysis long, narrow, bifid apically. Embolic division with a fusiform radix, embolus relatively short, coiled. Abdomen 1.25 long, 0.75 wide, grey.

**VARIABILITY.** The shape of the head elevation, the size and arrangement of the processes on the palpal tibia are rather stable and fail to vary.

**TAXONOMIC REMARKS.** *W. galilea* sp.n. seems to be very similar to the Cyprian *W. cyprusensis* Wunderlich, 1995, but can be distinguished by the shape of the head elevation, by the arrangement of apophyses on the palpal tibia, by the relatively large embolic circle, as well as by the chaetotaxy formula typical of the genus, i.e. 2.2.1.1, versus 1.1.1.1 in *W. cyprusensis*.

**DISTRIBUTION.** Israel, known from the type locality only.

## Conclusion

The linyphiid spider fauna of Israel is currently known to contain 43 species (see Table). The Israeli fauna can generally be characterized as Mediterranean, with a low proportion (9%) of widespread (cosmopolitan, Holarctic and Palaearctic) species. In contrast, the share of presumed Levantine elements (28%) is essen-



Table. A list of the linyphiid spiders of Israel with their distribution patterns.  
Таблица. Список видов пауков-линифиид Израиля с типами их ареалов.

Species	Distribution pattern
<i>Agyneta pseudorurestris</i> (Wunderlich, 1980)	Mediterranean
<i>Alioranus pastoralis</i> (O. Pickard-Cambridge, 1872)	East Ancient Mediterranean
<i>Araeoncus banias</i> Tanasevitch, 2013	Levantine
<i>Archaraeoncus hebraeus</i> Tanasevitch, 2011	Levantine
<i>Brachycerasphora convexa</i> (Simon, 1884)	Mediterranean
<i>B. femoralis</i> (O. Pickard-Cambridge, 1872)	Levantine
<i>B. parvicornis</i> (Simon, 1884)	East Mediterranean
<i>Canariphantes epigynatus</i> Tanasevitch, 2013	Levantine
<i>C. nanus</i> (Kulczyński, 1898)	East Mediterranean
<i>Cresmatoneta mutinensis</i> (Canestrini, 1868)	Mediterranean
<i>Dactylopisthes digiticeps</i> (Simon, 1881)	European-Ancient Mediterranean
<i>Diplocephalus graecus</i> (O. Pickard-Cambridge, 1872)	European-Mediterranean
<i>D. protuberans</i> (O. Pickard-Cambridge, 1875)	West European
<i>Erigone dentipalpis</i> (Wider, 1834)	Holarctic
<i>Frontinellina frutetorum</i> (C.L. Koch, 1834)	West Palaearctic
<i>Gnathonarium dentatum</i> (Wider, 1834)	Palaearctic
<i>Gonatium occidentale</i> Simon, 1918	West Mediterranean
<i>Improphantes breviscapus</i> Tanasevitch, 2013	Levantine
<i>Lepthyphantes albuloides</i> (O. Pickard-Cambridge, 1872)	East Mediterranean
<i>Linyphia mimonti</i> Simon, 1884	East Mediterranean
<i>Maculoncus parvipalpus</i> Wunderlich, 1995	East Mediterranean
<i>Mecopisthes monticola</i> Bosmans, 1993	Mediterranean
<i>M. peusi</i> Wunderlich, 1972	European
<i>Megalepthyphantes kuhitangensis</i> (Tanasevitch, 1989)	East Ancient Mediterranean
<i>Mermessus denticulatus</i> (Banks, 1898)	Introduced
<i>M. fradeorum</i> (Berland, 1932)	Introduced
<i>Microctenonyx subitaneus</i> (O. Pickard-Cambridge, 1875)	European-Ancient Mediterranean
<i>Pelecopsis elongata</i> (Wider, 1834)	West Palaearctic
<i>P. inedita</i> (O. Pickard-Cambridge, 1875)	Mediterranean
<i>P. levantensis</i> sp.n.	Levantine
<i>Prinerigone vagans</i> (Audouin, 1826)	Cosmopolitan
<i>Sengletus extricatus</i> (O. Pickard-Cambridge, 1876)	East Ancient Mediterranean
<i>Silometopus minutus</i> sp.n.	Levantine
<i>S. pectinatus</i> sp.n.	Levantine
<i>Styloctetor romanus</i> (O. Pickard-Cambridge, 1872)	Palaearctic
<i>Tenuiphantes tenuis</i> (Blackwall, 1852)	European-Ancient Mediterranean
<i>Thaumatoncus secundus</i> Bosmans, 2002	Mediterranean
<i>Trichoncoides piscator</i> (Simon, 1884)	Ancient Mediterranean
<i>Trichoncus rostralis</i> Tanasevitch, 2013	Levantine
<i>Troxochrus triangularis</i> Tanasevitch, 2013	Levantine
<i>Typhochrestus meron</i> Tanasevitch, 2013	Levantine
<i>Walckenaeria galilea</i> sp.n.	Levantine
<i>W. stylifrons</i> (O. Pickard-Cambridge, 1875)	European

tial. Most of the fauna (47%) is represented by different kinds of Mediterranean or Ancient Mediterranean forms. The influence of the North African centre of linyphiid diversity on the western Levantine linyphiid fauna is expressed much more strongly than that of the Central Asian one.

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