

Linzer biol. Beitr.	57/1	311-341	August 2025
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**Notes on some Darwin wasps (Hymenoptera: Ichneumonidae),
new records for the fauna of Sakartvelo (Georgia)**

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A b s t r a c t : In this survey, distributional records are given for 158 species of the family Ichneumonidae (Hymenoptera) which have been collected at several locations in Sakartvelo (Georgia) and are newly recorded for the fauna of Sakartvelo, 113 of the species have not been reported from the Caucasus region before.

Two species, *Olesicampe caucasica* RIEDEL nov.sp. and *Platylabops causicus* RIEDEL nov.sp., and one subspecies, *Diadegma auricellae causicum* RIEDEL nov.ssp. are new to science. In addition, the hitherto unknown male of *Mesochorus gladiator* SCHWENKE is described.

K e y w o r d s : Ichneumonidae, Georgia, new species, Palaearctic region

Introduction

The family Ichneumonidae represents one of the most diverse families within the Hymenoptera counting more than 7,000 known species in the Western Palaearctic region (YU et al. 2016). Despite their abundance and biological importance as parasitoids, this family was quite scarcely studied in Georgia and in the whole Caucasus region, and only 323 different Ichneumonid species have been recorded from Georgia up to 2016 (YU et al. 2016).

In recent years, the last author made several systematical surveys in Georgia using Malaise trap collecting in different areas resulting in four publications (RIEDEL et al. 2018, RIEDEL & JAPOSHVILI 2021, RIEDEL et al. 2023, PÉNIGOT & JAPOSHVILI 2025) reporting 801 species new for Georgia and increasing the number of known Georgian Ichneumonidae to 1124 species.

Here, we present the results of the fifth survey of the Ichneumonid fauna of Sakartvelo (Georgia) with newly found species from several different locations.

Material and methods

All specimens were collected with Malaise traps during collection seasons 2018 to 2022. The collection sites are from different regions of Sakartvelo: Achara (South West), Lechkhumi and Racha (North West), Imereti (West), Kartli and Kakheti (East):

- Achara: Kobuleti, Kintrishi National Park: 31.76246°N 42.11571°E, 2465 m asl.
- Lechkhumi: Tsageri, Dogurashi, 42.669761°N 42.785362°E, 1070 m asl. and 42.678243°N 42.810053°E, 1470 m asl. Khvamli 1: 42.555768°N, 42.705496°E, 992 m asl and Khvamli 2, 42.528598°N, 42.724312°E, 1462 m asl.
- Racha: Oni, Mravaldzali, 42.513300°N, 43.350005°E, 1928 m asl; Ontchevi, Shola, 42.558516°N, 43.519035°E, 1157 m asl. Orchevi: Organeuli, 42.570681°N 43.495862°E, 1052m asl. Tloisi, 42.559317°N 43.512821°E, 1071 m asl.
- Kartli: Tbilisi, AgrUni, Dendropark, 41.806125°N 44.770042°E, 463 m asl.
- Imereti: Tkibuli, Mukhura, 42.319369°N, 43.061274°E, 780 m asl.
- Kakheti: Sagarejo, Gombori Village, 41.859444°N 45.218333°E, 1100 m asl.; near ruins of an old building , 41.867778°N 45.264444°E, 1485 m asl.; Telavi, near Turdo river bridge, 41.873889°N 45.355278°E, 1060 m asl.; Tetrtsklebi, Laliani, 41.860324°N 45.334031°E, 1373 m asl; Akhmeta, Babaneuri, 42.075679°N 45.367735°E, 437 m asl; Tetrtsklebi, Serodari, 41.853950°N 45.320529°E, 1330 m asl; Dedoplistskaro, Vashlovani, Takhistskali, 41.125417°N 46.649610°E, 107 m asl., Mjnskure, Alazani bank, 41.111663°N, 46.649028°E, 94 m asl; Datviskhevi, 41.240505°N, 46.383119°E, 450 m asl; near central bungalows, 41.159782°N, 46.567286°E, 275 m asl.

After sorting to families, the material of Ichneumonidae was sent to the first author who screened, sorted, prepared and labeled the specimens for further determination. Determinations were mainly done by M. Riedel using actually available determination keys. The specimens are mainly deposited in the Institute of Entomology, Tbilisi (Georgia), a few voucher specimens are located in the personal collection of the first author.

For the descriptions below, morphological terms follow BROAD et al. (2018). The distributional records were mainly taken from the catalogue of YU et al. (2016), but only the Caucasian countries were mentioned in detail.

For the measurements the following relations were used: length of 1st flagellar segment was measured in lateral view (length without annellus); width of gena and eye were measured in lateral view, and length and width of hind femur in lateral view. For the punctuation of body parts the following definitions were used: very sparse – distance of punctures >2.0× their diameter; sparse – distance 1.1-2.0× their diameter; rather dense – distance about as their diameter; dense – diameter of punctures larger than their distance.

For the measurements an Olympus SZX 7 stereo microscope with dividing eyepiece was used. The figures were mainly taken with an Olympus SC 50 CCD-camera using the cellSens Imaging software and processed with the Helicon Pro software and Microsoft Office Picture Manager.

List of species

Subfamily *Acaenitinae*

Hallocinetus levigatus VIKTOROV, 1962

Material examined: Vashlovani, Datviskhevi, 1♀ 27.V-8.VI.2023, leg. G. Japoshvili.

Remarks: Body length 8.5 mm. Flagellum short and filiform, with 24 segments; 1st flagellar segment 3.6× as long as wide. Hind femur stout, 2.6× as long as wide. Otherwise as described by VIKTOROV (1962).

Distribution: Only known from Armenia (VIKTOROV 1962) and Romania, new record for Georgia.

Subfamily *Anomaloniinae*

Anomalon chinense (KOKUJEV, 1915)

Material examined: Vashlovani, Takhistskali, 1♀ 21-28.VI.2021, leg. G. Japoshvili.

Distribution: Transpalearctic, new record for Georgia and the Caucasus region.

Anomalon cruentatum (GEOFFROY, 1785)

Material examined: Vashlovani, Mijnskure, 1♀ 4-11.V.2022, leg. G. Japoshvili.

Distribution: Transpalearctic and Oriental, known from Azerbaijan (ABDINBEKOVA 1963, ALIEV 1988), new record for Georgia.

Anomalon venustulum (TOSQUINET, 1896)

Material examined: Vashlovani, Datviskhevi, 4♂♂ 21.VI-6.VII.2023, 1♂ 23.VII-4.VIII.2023, leg. G. Japoshvili.

Distribution: Known from Egypt, Israel and Uzbekistan, new record for Georgia and the Caucasus region.

Barylypa rufa (HOLMGREN, 1857)

Material examined: Vashlovani, Datviskhevi, 1♀ 16-27.V.2023, leg. G. Japoshvili.

Distribution: Transpalearctic, known from Azerbaijan (MEYER 1929), new record for Georgia.

Barylypa uniguttata (GRAVENHORST, 1829)

Material examined: Vashlovani, Datviskhevi, 2♀♀ 2♂♂ 4-14.IV.2023, 1♀ 8-19.VI.2023, leg. G. Japoshvili.

Distribution: Transpalearctic, known from Armenia (ATANASOV 1981), new record for Georgia.

Subfamily B a n c h i n a e

Alloplasta tomentosa (GRAVENHORST, 1829)

M a t e r i a l e x a m i n e d : Tbilisi, AgrUni, Dendropark, 1♀ 14-21.IV.2022, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

Diblastomorpha rostrata HOLMGREN, 1860

M a t e r i a l e x a m i n e d : Kintrishi National Park, 1♀ 14.VIII-7.IX.2018, leg. L. Mumladze.

R e m a r k : This species was usually synonymized with *D. cylindrator* (FABRICIUS) but separated from the latter species by BROCK (2017).

D i s t r i b u t i o n : Western Palaearctic, new record for Georgia and the Caucasus region.

Exetastes adpressorius (THUNBERG, 1822)

M a t e r i a l e x a m i n e d : Gombori, near ruins of an old building, 4♀♀ and 2♂♂ 21-28.VII.2021; Vashlovani, near central bungalows, multiple ♀♀♂♂ 5-12.V.2022; Vashlovani, Mijnskure, multiple ♀♀ and ♂♂ 4-11.V.2022; Vashlovani, Datviskhevi, 1♀ 2♂♂ 5-12.V.2022; Akhmeta, Babaneuri, 1♀ 1♂ 30.VI-9.VII.2022, 1♀ 9-20.VII.2022; Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, all leg. G. Japoshvili.

D i s t r i b u t i o n : Holarctic, known from Azerbaijan (ABDINBEKOVA 1963) and Armenia (RIEDEL 2015), new record for Georgia.

Exetastes albiger KRIECHBAUMER, 1886

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 2♀♀ 1♂ 5-16.V.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

Exetastes femorator DESVIGNES, 1856

M a t e r i a l e x a m i n e d : Kintrishi National Park, 1♀ 30.VII-10.VIII.2018, leg. L. Mumladze.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

Exetastes segmentarius PÉREZ, 1895

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 1♀ 8-19.VI.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

Glypta (Glypta) haesitator GRAVENHORST, 1829

M a t e r i a l e x a m i n e d : Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

D i s t r i b u t i o n : Holarctic, new record for Georgia and the Caucasus region.

Glypta (Glypta) incisa GRAVENHORST, 1829

M a t e r i a l e x a m i n e d : Kintrishi National Park, 1♀ 10-24.VIII.2018, leg. L. Mumladze.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Lissonota pimplator* (ZETTERSTEDT, 1838)**

Material examined: Kintrishi National Park, 1♂ 30.VII-10.VIII.2018, 1♀ 10-24.VIII.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, known from Azerbaijan (ALIEV 1988), new record for Georgia.

***Lissonota tricoloria* (THUNBERG, 1822)**

Material examined: Kintrishi National Park, 1♂ 30.VII-10.VIII.2018, leg. L. Mumladze.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Syzeuctus turcator* AUBERT, 1984**

Material examined: Vashlovani, Datviskhevi, 1♀ 1♂ 5-16.V.2023, 2♀♀ 27.V-8.VI.2023, leg. G. Japoshvili.

Distribution: Known from Iran and Turkey (RIEDEL 2021), new record for Georgia and the Caucasus region.

Subfamily C a m p o p l e g i n a e***Campoletis raptor* (ZETTERSTEDT, 1838)**

Material examined: Gombori Village, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Campoplex laricanae* HORSTMANN, 1985**

Material examined: Orchevi, Organeuli, 1♀ 7-17.VI.2022, MT, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Casinaria pyreneator* AUBERT, 1960**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Casinaria scabra* THOMSON, 1887**

Material examined: Gombori Village, 1♀ 21-28.VII.2021, leg. G. Japoshvili; Akhmeta, Babaneuri, 1♂ 30.VI-9.VII.2022, leg. G. Japoshvili.

Distribution: Transpalaearctic, known from Azerbaijan (ALIEV 1980a), new record for Georgia.

***Chromoplex picticollis* (THOMSON, 1887)**

Material examined: Vashlovani, Datviskhevi, 1♂ 21.VI-6.VII.2023, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Cymodusa aenigma* DBAR, 1985**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Known from the Eastern Palaearctic, new record for Georgia and the Caucasus region.

***Cymodusa ambigua* DBAR, 1984**

Material examined: Kintrishi National Park, 2♀♀ 29.VI-13.VII.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Cymodusa declinator* (GRAVENHORST, 1829)**

Material examined: Khvamli 2, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Diadegma auricellae caucasicum* RIEDEL nov.ssp. (Figs 1-4)**

Holotype: (♀) Georgia, Doghurashi, 42.678243, 42.810053, 1470 m, 17-24.V.2021, leg. G. Japoshvili (Tbilisi).

Description: Body length 4.3 mm. Flagellum with 24 segments; 2nd flagellar segment 3.3× as long as wide, preapical segment 1.1× as long as wide. Temple parallel behind eye and moderately narrowed apically, dorsally 0.8× as long as eyes. Hind femur 4.8× as long as wide, entirely red. 1st tergite 2.8×, 2nd tergite 2.1× and 3rd tergite 1.4× as long as wide. Ovipositor sheath 0.8× as long as hind tibia. Structure and coloration otherwise as described by HORSTMANN (2008).

Remarks: This new subspecies of *Diadegma auricellae* HORSTMANN differs from the nominotypical subspecies from France and Switzerland (HORSTMANN 2008: 7-8) by its slightly wider temples, and slightly slenderer flagellum and basal tergites. It might represent a closely related but different species.

Distribution: Only known from Georgia.

***Diadegma chrysostictos* (GMELIN, 1790)**

Material examined: Vashlovani, Takhistskali, 2♀♀ 21-28.VI.2021, leg. G. Japoshvili.

Distribution: Holarctic, known from Azerbaijan (ABDINBEKOVA 1963), new record for Georgia.

***Diadegma majale* (GRAVENHORST, 1829)**

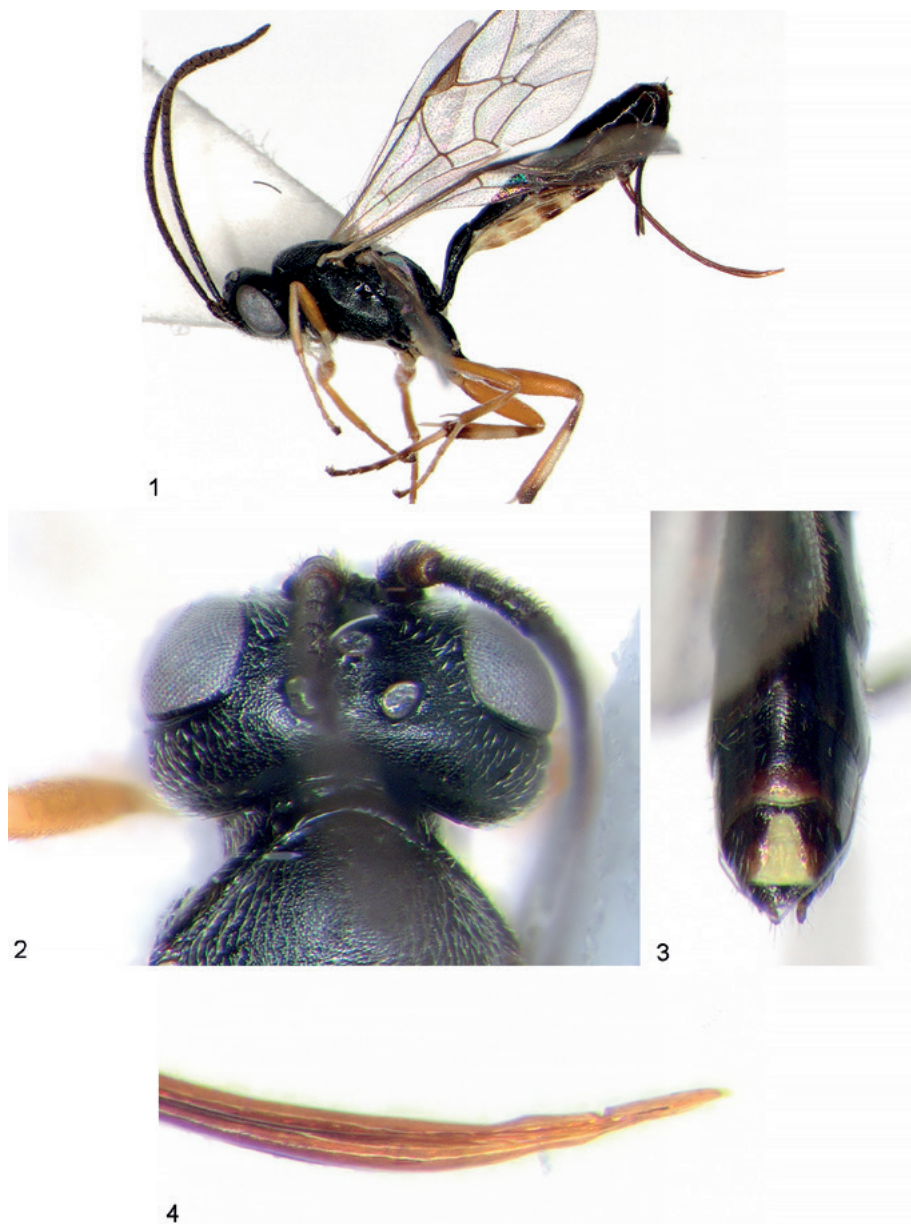
Material examined: Vashlovani, Datviskevi, 1♀ 4-14.IV.2023, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Diadegma ruficeps* (HOLMGREN, 1860)**

Material examined: Gombori Village, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.



Figs 1-4: *Diadegma auricellae caucasicum* RIEDEL nov.ssp. HT: (1) habitus, lateral view, (2) head, dorsal view, (3) metasomal apex, dorsal view, (4) tip of ovipositor, lateral view.

***Dusona cultrator* (GRAVENHORST, 1829)**

Material examined: Orchevi, Organeuli, 2♀♀ 7-17.VI.2022, leg. G. Japoshvili.

Distribution: Transpalearctic, new record for Georgia and the Caucasus region.

***Enytus parvicauda* (THOMSON, 1887)**

Material examined: Kintrishi National Park, 1♀ 29.VI-13.VII.2018, leg. L. Mumladze.

Distribution: Western Palearctic, new record for Georgia and the Caucasus region.

***Hyposoter rufonigrator* GALSWORTHY & SHAW, 2023**

Material examined: Kintrishi National Park, 2♀♀ 30.VII-10.VIII.2018, leg. L. Mumladze.

Remarks: Rather large specimens with a body length of 8.1 mm. Otherwise typical.

Distribution: Alpine regions of Western Palearctic region, new record for Georgia and the Caucasus region.

***Meloboris cingulata* HORSTMANN, 2004**

Material examined: Gombori, near ruins of an old building, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Western Palearctic, new record for Georgia and the Caucasus region.

***Nemeritis stenura* THOMSON, 1887**

Material examined: Gombori, near ruins of an old building, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Western Palearctic, known from Armenia (HORSTMANN 1994), new record for Georgia.

***Olesicampe caucasica* RIEDEL nov.sp. (Figs 5-8)**

Holotype: (♀) Georgia, Vashlovani, Datviskevi, 41.240505°/46.383119°, MT, 24.IV-4.V.2023, leg. G. Japoshvili (Tbilisi). **Paratype:** (♀) Georgia, Vashlovani, Datviskevi, 41.240505°/46.383119°, MT, 16-24.V.2023, leg. G. Japoshvili (ZSM, Munich).

Description: ♀. Body length 5.5-6.0 mm. Flagellum with 24-26 segments, pedicel and annellus not thickened; 1st flagellar segment 3.0× as long as wide and 0.31× as long as eye; preapical segment short, 1.3× as long as wide. Head 1.9× as wide as long dorsally. Temple long, slightly narrowed behind eye. Distance between lateral ocellus and eye 1.4× and between lateral ocelli 1.9× ocellar diameter. Face densely punctate, with very dense setae without silvery shine. Combined length of face and clypeus 0.8-0.9× facial width. Gena slightly swollen, not excavated. Malar space 0.4× as long as width of mandibular base. Ventral mandibular tooth 1/3× longer than dorsal tooth. Genal carina reaching hypostomal one far away from mandibular base, hypostomal carina slightly elevated.

Mesoscutum densely punctate, shining and almost smooth between punctures. Side of pronotum punctate dorsally and rugose-striate ventrally. Mesopleuron with distinct and dense punctures, shining and almost smooth between punctures; speculum partly smooth

and shiny; mesopleural impression with coarse regular striae. Propodeum with distinct carination in basal half. Area basalis trapezoid, about as wide as long. Area superomedia pentagonal, open apically, longer than wide, lateral carinae almost parallel apically; costula weak or obsolete in its frontal 0.3-0.4. Hind trochantellus moderately widened. Hind femur $4.1\times$ as long as wide. Inner spur of hind tibia $0.52\times$ as long as hind metatarsus. Areolet stalked frontally, vein 2m-cu distad its middle. Vein 1cu-a interstitial or slightly antefurcal. Postnervulus intercepted in or apical to the middle. Outer discoidal edge moderately acute (80°).



Figs 5-8: *Olesicampe caucasica* RIEDEL nov.sp. HT: (5) head, frontal view, (6) head, dorsal view, (7) mesosoma, lateral view, (8) hind trochantellus and femur, lateral view.

Side of petiole not impressed basally, smooth; glymma small or absent. Postpetiole $1.0\times$ as long as wide, with parallel sides and lateral carina. 2nd tergite $1.1\times$ as long as wide. Ovipositor sheath short.

Color: black. Flagellum black basally, $\pm$ brownish distally. Palps, mandible except teeth, ventral spot of scape, tegula, sometimes apical spot of fore coxa, fore and mid trochanters and all trochantelli yellow. Fore and mid legs otherwise reddish, their femora apically and tibiae frontally with ivory stripes. Hind femur chestnut-red to black; hind tibia ochreous, yellow basally, infuscate in apical 0.1-0.3. Hind tarsus brown, metatarsus ivory in basal half. Fold of 2nd sternite yellow. Tergites black, 3rd tergite mainly and sometimes 4th tergite frontally reddish. Pterostigma brownish.

♂ unknown.

Remarks: This new species differs from the other *Olesicampe* species with black hind femur and enlarged hind trochantellus, such as *O. fulcrans* (THOMSON) and *O. nigricoxa* (THOMSON), by its smooth and shiny mesopleuron which is coarsely and densely punctate.

Distribution: So far only known from Georgia.

***Olesicampe fulcrans* (THOMSON, 1887)**

Material examined: Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili; Kintrishi National Park, 1♀ 15-29.VI.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Olesicampe gallicator* (AUBERT, 1964)**

Material examined: Tbilisi, AgrUni, Dendropark, 2♀♀ 14-21.IV.2022; Vashlovani, Mijnskure, Alasani bank, 2♀♀ 15-24.IV.2023, all leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Olesicampe insidiator* (GRAVENHORST, 1829)**

Material examined: Kintrishi National Park, 1♀ 10-29.VI.2018, 3♀♀ 29.VI-13.VII.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Rhimphoctona melanura* (HOLMGREN, 1860)**

Material examined: Orchevi, Tloisi, 1♀ 7-17.VI.2022; Orchevi, Organeuli, 1♀ 7-17.VI.2022, all leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for the Caucasus region and Georgia.

***Venturia canescens* (GRAVENHORST, 1829)**

Material examined: Vashlovani, Mijnskure, Alasani bank, 1♀ 14-24.VIII.2023, leg. G. Japoshvili.

Distribution: Almost worldwide, known from Azerbaijan (ALIEV 1980a), new record for Georgia.

Subfamily Cremastinae

***Cremastus geminus* GRAVENHORST, 1829**

Material examined: Vashlovani, Datviskhevi, 2♀♀ 24.IV-4.V.2023, 2♀♀ 2♂♂ 5-16.V.2023, 2♀♀ 1♂ 16-27.V.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Dimophora nitens* (GRAVENHORST, 1829)**

Material examined: Akhmeta, Babaneuri, 1♂ 30.VI-9.VII.2022; Tetrtsklebi, Laliani, 1♀ 1♂ 21.VI-4.VII.2022; Vashlovani, Datviskhevi, 1♀ 5-16.V.2023, all leg. G. Japoshvili.

Distribution: Holarctic and Australian, new record for Georgia and the Caucasus region.

***Temelucha caudata* SZÉPLIGETI, 1899**

Material examined: Vashlovani, Mijnskure, Alasani bank, 1♀ 16-27.V.2023; Vashlovani, Datviskhevi, 1♀ 24.IV-4.V.2023, 1♀ 5-16.V.2023, 1♀ 27.V-8.VI.2023, all leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Temelucha confluens* (GRAVENHORST, 1829)**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Temelucha decorata* (GRAVENHORST, 1829)**

Material examined: Vashlovani, Mijnskure, Alasani bank, 2♂♂ 5-16.V.2023, 1♀ 16-27.V.2023; Vashlovani, Datviskhevi, 1♀ 27.V-8.VI.2023, 1♀ 23.IX.—13.X.2023, all leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (ABDINBEKOVA 1963), new record for Georgia.

***Temelucha schoenobius* (THOMSON, 1890)**

Material examined: Vashlovani, Datviskhevi, 1♀ 27.V-8.VI.2023, 2♂♂ 8-19.VI.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

Subfamily Cryptinae

***Acroricnus seductor syriacus* (MOCSARY, 1883)**

Material examined: Vashlovani, Datviskhevi, 1♀ 27.V-8.VI.2023, leg. G. Japoshvili.

Distribution: Eastern Europe and Middle East, new record for Georgia and the Caucasus region.

***Acroricnus stylator* (THUNBERG, 1822)**

Material examined: Gombori, near ruins of an old building, 1♀ 21-28.VII.2021; Orchevi, Organeuli, 1♀ 7-17.VI.2022; Orchevi, Shola, 1♀ 7-17.VI.2022, all leg. G. Japoshvili.

Distribution: Holarctic, known from Azerbaijan (MEYER 1930), new record for Georgia.

***Aritranis longicauda* (KRIECHBAUMER, 1873)**

Material examined: Kakheti, Akhmeta, Babaneuri, 1♀ 30.VI-9.VII.2022, leg. G. Japoshvili.

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

***Aritranis occisor* (GRAVENHORST, 1829)**

Material examined: Gombori, near ruins of an old building, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Cryptus informis* SCHWARZ, 2015**

Material examined: Vashlovani, Datviskhevi, 1♀ 27.V-8.VI.2023, leg. G. Japoshvili.

Distribution: Known from Greece and Iran, new record for Georgia and the Caucasus region.

***Cryptus subquadratus* THOMSON, 1873**

Material examined: Kintrishi National Park, 1♀ 29.VI-13.VII.2018, leg. L. Mumladze.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Cryptus spinosus* GRAVENHORST, 1829**

Material examined: Vashlovani, Datviskhevi, 1♀ 5-12.V.2022, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Armenia (SCHWARZ 2015), new record for Georgia.

***Hidryta fusiventris* (THOMSON, 1873) (det. by. M. Schwarz)**

Material examined: Tkibuli, Mukhura, 1♀ 13-20.VI.2020, leg. G. Japoshvili; Tsageri, Dogurashi, 1470 m asl., 1♀ 17-24.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, known from Azerbaijan (ABDINBEKOVA 1963), new record for Georgia.

***Ischnus agitator* (OLIVER 1792)**

Material examined: Khvamli 2, 1♀ 18-25.V.2021; Racha, Orchevi, Shola, 1♀ 7-17.VI.2022; Orchevi, Organeuli, 1♀ 7-17.VI.2022; Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, all leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (JONAITIS & ALIEV 1983), new record for Georgia.

***Listrognathus mactator persicator* AUBERT, 1970**

Material examined: Vashlovani, Takhistskali, 1♀ 21-28.VI.2021, leg. G. Japoshvili.

Distribution: This subspecies is known from Iran and Kyrgyzstan (YU et al. 2016), new record for Georgia and the Caucasus region.

***Meringopus titillator* (LINNAEUS, 1758)**

Material examined: Vashlovani, Datviskhevi, 1♂ 24.IV-4.V.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (ABDINBEKOVA 1963) and Armenia (SCHWARZ 2005), new record for Georgia.

***Nematopodius debilis* (RATZEBURG, 1852)**

Material examined: Khvamli 1, ♂ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Polytribax rufipes* (GRAVENHORST, 1829)**

Material examined: Orchevi, Organeuli, 1♂ 7-17.VI.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Stenarella domator* (PODA, 1761)**

Material examined: Ontchevi Shola, 1♀ 20-27.V.2021; Akhmeta, Babaneuri, 1♀ 30.VI-9.VII.2022, 1♀ 9-20.VII.2022, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Synechocryptus persicator* AUBERT, 1986**

Material examined: Vashlovani, Datviskhevi, 1♀ 27.V-8.VI.2023, leg. G. Japoshvili.

Distribution: Known from Armenia (SCHWARZ 1997), Iran and Turkey, new record for Georgia.

***Trychosis tristator* (TSCEK, 1871)**

Material examined: Gombori, near ruins of an old building, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (JONAITIS & ALIEV 1983), new record for Georgia.

Subfamily Ctenopelmatinae***Barytarbes superbus* SCHMIEDEKNECHT, 1914**

Material examined: Vashlovani, Datviskhevi, 1♀ 8-19.VI.2023, leg. G. Japoshvili; Armenia, Ketayk prov., Geghard monastery, 1750 m, 1♀ 19.VI.2006, leg. Ø. Berg.

Remarks: Body length 10.5-13.0 mm. Flagellum with 32-33 segments, bristle-shaped; 1st flagellar segment 3.7× as long as wide, widest segments about square. Hind

femur 3.5-4.0× as long as wide. Hind trochantellus moderately enlarged and flattened ventrally (as in *Trematopygus*). Petiole except black base and 2nd to 5th tergites red, 6th tergite black, with red frontal and lateral margins. The generic position of this species is questionable.

Distribution: West Palaearctic, new records for Georgia and Armenia.

***Campodorus viduus* (HOLMGREN, 1857)**

Material examined: Tsageri, Dogurashi, 1♀ 17-24.V.2021, leg. G. Japoshvili.

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

***Ctenopelma rufiventre* (GRAVENHORST, 1829)**

Material examined: Ontchevi Shola, 1♀ 20-27.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, known from Armenia (KASPARYAN 2004), new record for Georgia.

***Hadrodactylus flavofacialis* HORSTMANN, 2000**

Material examined: Tsageri, Dogurashi, 1♀ 2♂ 17-24.V.2021, leg. G. Japoshvili.

Distribution: Transpalaearctic, known from Azerbaijan (KASPARYAN 2011a), new record for Georgia.

***Hadrodactylus graminicola* IDAR, 1979**

Material examined: Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic, known from Azerbaijan (KASPARYAN 2011a), new record for Georgia.

***Labrossyta scotoptera* (GRAVENHORST, 1820)**

Material examined: Vashlovani, Datviskhevi, 1♀ 24.IV-4.V.2023, 1♂ 16-27.V.2023, leg. G. Japoshvili.

Distribution: West Palaearctic, known from Azerbaijan (ALIEV 1980b), new record for Georgia.

***Mesoleius caninae* BRIDGMAN, 1886**

Material examined: Vashlovani, Mijnskure, Alasani bank, 1♀ 5-16.V.2023, leg. G. Japoshvili.

Remarks: Flagellum with 26 segments. Hind femur 4.7× as long as wide. Otherwise as described by KASPARYAN (2000).

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

***Otlophorus pulverulentus* (HOLMGREN, 1857)**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Perispuda mesoxantha* (THOMSON, 1894)**

Material examined: Kintrishi National Park, 1♀ 10-24.VIII.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Priopoda apicaria* (GEOFFROY, 1785)**

Material examined: Vashlovani, Mijniskure, Alasani bank, 2♀♀ 16-27.V.2023, 2♀♀ 27.V-9.VI.2023; Vashlovani, Datviskhevi, 1♀ 5-16.V.2023, 1♀ 16-27.V.2023, 1♀ 8-19.VI.2023, all leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Rhinotorus leucostomus* (GRAVENHORST, 1829)**

Material examined: Khvamli 2, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Saotis mirabilis* SCHMIEDEKNECHT, 1914**

Material examined: Tetrisklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Remark: The specimen from Georgia has a black mesosoma without reddish coloration. The hind edge of pronotum, tegula, and spot on subtegular ridge are ivory; and scutellum apically and postscutellum reddish. It is otherwise a typical specimen.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Synomelix faciator* IDAR, 1983**

Material examined: Vashlovani, Mijniskure, Alasani bank, 1♀ 5-25.IV.2023, leg. G. Japoshvili.

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

Subfamily *Diplazontinae****Daschia brevitarsis* (THOMSON, 1890)**

Material examined: Khvamli 2, 2♀♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Homotropus crassicornis* THOMSON, 1890**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Homotropus frontorius* (THUNBERG, 1822)**

Material examined: Kintrishi National Park, 1♀ 30.VII-10.VIII.2018, leg. L. Mumladze.

Distribution: Holarctic, new record for Georgia and the Caucasus region.

***Homotropus megaspis* THOMSON, 1890**

M a t e r i a l e x a m i n e d : Khvamli 2, 1♂ 18-25.V.2021, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Promethes sulcator* (GRAVENHORST, 1829)**

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 2♀♀ 5-16.V.2023, 1♀ 8-19.VI.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : Holarctic and Oriental, known from Azerbaijan (ABDINBEKOVA 1963), new record for Georgia.

Subfamily I c h n e u m o n i n a e**Tribe P h a e o g e n i n i (det. by E. Diller)*****Aethecerus longulus* WESMAEL, 1845**

M a t e r i a l e x a m i n e d : Gombori, near ruins of an old building, 1♂ 21-28.VII.2021, leg. G. Japoshvili.

D i s t r i b u t i o n : Western Palaearctic, new record for Georgia and the Caucasus region.

***Aethecerus rugifrons* HOLMGREN, 1890**

M a t e r i a l e x a m i n e d : Khvamli 2, 1♀ 18-25.V.2021, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Centeterus confector* (GRAVENHORST, 1829)**

M a t e r i a l e x a m i n e d : Tsageri, Dogurashi, 1♂ 10-24.VIII.2020, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, known from Azerbaijan (ABDINBEKOVA 1963), new record for Georgia.

***Centeterus nigricornis* THOMSON, 1891**

M a t e r i a l e x a m i n e d : Kintrishi National Park, MT 16, 2465 m asl., 1♂ 30.VII-10.VIII.2018; Vashlovani, Mijinskure, Alasani bank, 2♂♂ 22.VI-3.VII.2023, all leg. G. Japoshvili.

D i s t r i b u t i o n : West Palaearctic, new record for Georgia and the Caucasus region.

***Dilleritomus apertor* AUBERT, 1979**

M a t e r i a l e x a m i n e d : Tsageri, Dogurashi, 1♂ 5-12.VI.2020, leg. G. Japoshvili.

D i s t r i b u t i o n : Western Palaearctic, new record for Georgia and the Caucasus region.

***Heterischnus ridibundus* (COSTA, 1885)**

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 1♂ 5-16.V.2023, 1♀ 27.V-8.VI.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : West Palaearctic, new record for Georgia and the Caucasus region.

***Stenodontus biguttatus* (GRAVENHORST, 1829)**

Material examined: Tkibuli, Mukhura, 1♂ 13-20.VI.2020, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Tycherus amaeus* (WESMAEL, 1845)**

Material examined: Kakheti, Tetrtsklebi, Laliani, MT, 41.860324°N 45.334031°E, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

***Tycherus brunneus* (KISS, 1924)**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Tycherus infirmus* (WESMAEL, 1845)**

Material examined: Kintrishi National Park, MT 16, 2465 m asl., 1♀ 14.VIII-7.IX.2018, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Tycherus ischiomelinus* (GRAVENHORST, 1829)**

Material examined: Kintrishi National Park, MT 16, 2465 m asl., 1♀ 14.VIII-7.IX.2018, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Tycherus ophtalmicus* (WESMAEL, 1845)**

Material examined: Kintrishi National Park, MT 16, 2465 m asl., 1♀ 15-29.VI.2018, leg. G. Japoshvili.

Distribution: Holarctic, known from Azerbaijan (ALIEV 1988), new record for Georgia.

Tribe *Platylabini****Asthenolabus latiscapus* (THOMSON, 1894)**

Material examined: Vashlovani, near central bungalows, 2♂♂ 5-12.V.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Asthenolabus stellae* (HEINRICH, 1936)**

Material examined: Vashlovani, Datviskhevi, 2♀♀ 8-19.VI.2023, leg. G. Japoshvili.

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

Tribe Ichneumonini

Amblyjoppa fuscipennis (WESMAEL, 1845)

Material examined: Orchevi, Organeuli, 2♂♂ 7-17.VI.2022; Orchevi, Shola, 1♂ 7-17.VI.2022, all leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (ALIYEV 1999), new record for Georgia.

Anisobas brombacheri HEINRICH, 1933

Material examined: Vashlovani, Mijniskure, Alasani bank, 1♀ 5-16.V.2023; Vashlovani, Datviskhevi, 2♂♂ 24.IV-4.V.2023, 1♀ 1♂ 16-27.V.2023, all leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

Anisobas cingulatellus HORSTMANN, 1997

Material examined: Vashlovani, Mijniskure, 1♀ 4-11.V.2022, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (ALIYEV 1999), new record for Georgia.

Anisobas hostilis (GRAVENHORST, 1820)

Material examined: Vashlovani, Mijniskure, Alasani bank, 2♀♀ 1♂ 25.IV-5.V.2023, 1♀ 16-27.V.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Krasnodar region (RIEDEL & HUMALA 2009), new record for Georgia.

Anisobas rufoventris RIEDEL, 2018

Material examined: Vashlovani, Datviskhevi, 1♀ 5-16.V.2023, 1♀ 27.V-8.VI.2023, leg. G. Japoshvili.

Remarks: Flagellum with 27-29 segments. 6th tergite reddish basally, in apical half black with narrow ivory apical margin. Otherwise as described by RIEDEL et al. (2018: 263-265).

Distribution: Only known from Iran (RIEDEL et al. 2018), new record for Georgia and the Caucasus region.

Barichneumon albicaudatus (FONSCOLOMBE, 1847)

Material examined: Khvamli 1, 1♂ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (ALIYEV 1999), new record for Georgia.

Barichneumon praeceptor (THUNBERG, 1822)

Material examined: Gombori Village, 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Barichneumon sexalbatus* (GRAVENHORST, 1820)**

Material examined: Vashlovani, Takhistskali, 1♂ 21-28.VI.2021; Vashlovani, Mijnskure, Alasani bank, 2♂♂ 22.VI-3.VII.2023; Vashlovani, Datviskhevi, 1♀ 1♂ 24.IV-4.V.2023, 1♂ 16-27.V.2023, all leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Coelichneumon comitator* (LINNAEUS, 1758)**

Material examined: Vashlovani, Mijnskure, Alasani bank, 2♂♂ 5-15.IV.2023, 1♀ 25.IV-5.V.2023, 1♀ 1♂ 15-24.V.2023, leg. Japoshvili.

Distribution: Transpalaearctic, known from Azerbaijan (ALIYEV 1999), new record for Georgia.

***Coelichneumon ophiusae* (KRIECHBAUMER, 1890)**

Material examined: Vashlovani, Datviskhevi, 1♀ 23.IX-13.X.2023, leg. G. Japoshvili.

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

***Coelichneumon singularis* (BERTHOUMIEU, 1892)**

Material examined: Vashlovani, Mijnskure, Alasani bank, 1♀ 15-24.V.2023, leg. Japoshvili.

Distribution: Transpalaearctic, known from Azerbaijan (ALIYEV 1999), new record for Georgia.

***Ctenichneumon devylderii* (HOLMGREN, 1871)**

Material examined: Orchevi, Shola, 1♂ 7-17.VI.2022, leg. G. Japoshvili.

Distribution: Transpalaearctic, known from Krasnodar region (RIEDEL & HUMALA 2009), new record for Georgia.

***Ctenichneumon edictorius* (LINNAEUS, 1758)**

Material examined: Khvamli 2, 1♂ 18-25.V.2021, leg. G. Japoshvili; Vashlovani, Takhistskali, 1♂ 21-28.VI.2021; Vashlovani, Mijnskure, Alasani bank, 1♂ 15-24.IV.2023, 1♂ 27.V-9.VI.2023; Vashlovani, Datviskhevi, 3♂♂ 24.IV-4.V.2023, all leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Ctenichneumon inspector* (WESMAEL, 1845)**

Material examined: Gombori, near Turdo Bridge, 1♀ 20-27.VII.2021, leg. G. Japoshvili.

Distribution: Transpalaearctic, known from Caucasus region (RASNITSYN & SIYTAN 1981), new record for Georgia.

***Eurylabus torvus* WESMAEL, 1845**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Transpalaearctic, known from Azerbaijan (ALIYEV 1999), new record for Georgia.

***Eutanyacra crispatoria* (LINNAEUS, 1758)**

Material examined: Orchevi, Organeuli, 1♀ 7-17.VI.2022, leg. G. Japoshvili; Racha, Orchevi, Shola, 1♂ 7-17.VI.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic region, known from Azerbaijan (MEYER 1929), new record for Georgia.

***Ichneumon albiger* WESMAEL, 1845**

Material examined: Tsageri, Dogurashi, 1♀ 17-24.V.2021, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

***Ichneumon luteipes* WESMAEL, 1855**

Material examined: Svaneti, Ushguli, 2800-3500 m, 1♀ 17-30.VI.1989 (Linz).

Distribution: West Palaearctic, new record for Georgia and the Caucasus region.

***Ichneumon novemalbatus novemalbatus* KRIECHBAUMER, 1875**

Material examined: Vashlovani, Mjinskure, Alasani bank, 1♀ 15-24.V.2023, leg. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (MEYER 1933), new record for Georgia.

***Ichneumon sexcinctus* GRAVENHORST, 1829**

Material examined: Gombori Village, 2♂♂ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from the Caucasus region (RASNITSYN & SIYTAN 1981), new record for Georgia.

***Platylabops caucasicus* RIEDEL nov.sp. (figs 9-13)**

Holotype: (♀) Georgia, Kintrishi NP, N 31.76246 E 42.11571, MT 16, 2465 m asl., 10-24.VIII.2018, leg. G. Japoshvili (Tbilisi).

Paratypes: (1♀) label as holotype (coll. Riedel), (1♀ 1♂) Georgia, Kintrishi NP, N 31.76246 E 42.11571, MT 16, 2465 m asl., 30.VII-10.VIII.2018, leg. G. Japoshvili (Tbilisi).

Description: ♀. Body length 5.1-6.3 mm. Flagellum with 27-30 segments, slightly lanceolate. 1st flagellar segment 2.8-3.0× as long as wide, 14th segment and preapical segments square. Temple moderately and roundly narrowed behind eye. Distance between lateral ocellus and eye 1.1-1.5× and between lateral ocelli 1.5× ocellar diameter. Frons finely rugulose and with superficial punctures. Face densely punctate, medially rugose-punctate, shiny. Clypeus moderately convex, with rather dense punctures; apical margin almost straight, sharp. Mandible with two teeth; ventral tooth much smaller than dorsal tooth and slightly bent inwards. Malar space 1.0× as long as width of mandibular base. Gena with rather dense punctures, shiny. Genal carina slightly sinusoid, reaching hypostomal carina away from mandibular base; hypostomal carina moderately elevated.

Mesoscutum densely punctate, shiny. Side of pronotum punctate dorsally, rugose-punctate ventrally. Mesopleuron and metapleuron densely punctate and shiny. Speculum with punctures which are smaller and sparser than punctures on mesopleural disc. Juxtacoxal carina present. Scutellum moderately elevated, about as long as wide, with rather dense punctures, with lateral carina in basal 0.3. Propodeum completely carinate except area

petiolaris and area posteroexterna confluent; spiracle oval, c. $2\times$ as long as wide. Area basalis very short, with strong median tubercle. Area superomedia heart-shaped, $1.3\text{--}1.5\times$ as wide as long; costula reaching at $7/10$ of its length. Hind coxa densely punctate, without scopa. Hind femur $4.2\text{--}4.5\times$ as long as wide. Outer surface of hind tibia without denticular spines. Claws not pectinate. Areolet pentagonal, frontal distance between veins $2rs\text{--}m$ and $3rs\text{--}m$ $1\text{--}2\times$ their diameter. Vein $2m\text{--}cu$ reaching areolet in its middle. Vein $1cu\text{--}a$ postfurcal by $2\times$ its width. Metasoma oxypygous. Petiole about as high as wide. Postpetiole moderately widened, almost smooth with some fine granulation, without latero-median carina; median field not separated. Gastrocoelus impressed, finely rugulose. Thyridium slightly oblique, $0.8\times$ as wide as interval between thyridia. 2^{nd} tergite $1.0\text{--}1.1\times$ as wide as long. 2^{nd} and 3^{rd} tergite with fine dense punctures and $\pm$ granulate. Ovipositor sheath in profile about as long as 2^{nd} hind tarsomere.

Color: Black. Flagellum black, sometimes flagellar segments 11 and 12 with weak ochreous spots dorsally. Mandible centrally, usually narrow stripes of ventral part of frontal orbit, dorsal half of facial orbit and spot on vertex yellow (in one paratype only small spot at facial orbit present), sometimes small spot at hind edge of pronotum and usually spot of subtegular ridge yellow. 2^{nd} to 4^{th} tergites red. Legs black; femora with reddish spots basally and with yellowish spots fronto-apically; fore and mid tibiae with frontal yellow stripes; hind tibia ochreous in basal $0.3\text{--}0.4$. Hind metatarsus sometimes reddish basally. Wings slightly infusate; pterostigma ochreous.

♂. Body length 5.3 mm. Flagellum with 29 segments, bristle-shaped; 1^{st} flagellar segment $2.5\times$ as long as wide, all segments longer than wide. Tyloids indistinct. Distance between lateral ocellus and eye $1.0\times$ ocellar diameter. Scutellum densely punctate, lateral carina in basal 0.4 . Area basalis with strong median tubercle. Area superomedia $2.3\times$ as wide as long. Median field of postpetiole finely granulate, lateral field with some punctures. Thyridium slightly oblique, $1.0\times$ as wide as interval between thyridia. 2^{nd} tergite $1.3\times$ as long as wide. Apical margin of hypopygium rounded. Structure otherwise as in ♀.

Color as in ♀ except: flagellum entirely black; transversal stripe on clypeus, long facial orbit, small paramedian spot on dorsal face below antennal socket and small posterolateral spot on scutellum yellow.

Remarks: This new species resembles the alpine *Pl. torpidops* BAUER, 2001 but differs mainly by the red 2^{nd} to 4^{th} tergites, smaller thyridia and yellow spot on subtegular ridge.

Distribution: Only known from Georgia.

Spilothyrates illuminatorius (GRAVENHORST, 1820)

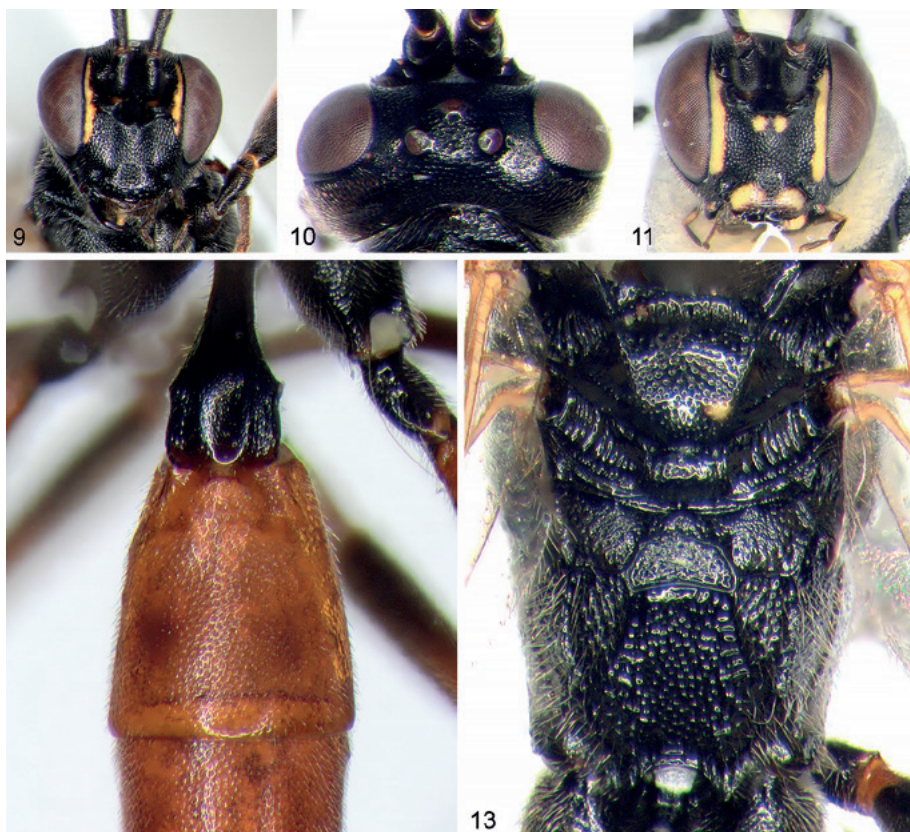
Material examined: Vashlovani, Mijniskure, Alasani bank, 1♂ 5-16.V.2023, leg. Japoshvili.

Distribution: Transpalaeartic, known from Azerbaijan (MEYER 1933, ALIEV 1988), new record for Georgia.

Spilothyrates nuptatorius (FABRICIUS, 1793)

Material examined: Vashlovani, Mijniskure, 1♀ 5-11.V.202; Vashlovani, near central bungalows, 1♂ 5-12.V.2022; Vashlovani, Patviskhevi, 1♂ 5-12.V.2022; Vashlovani, Mijniskure, Alasani bank, 1♂ 25.IV-5.V.2023, 1♀ 1♂ 16-27.V.2023, all leg. Japoshvili; Vashlovani, Datviskhevi, 2♂♂ 8-19.VI.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.



Figs 9-13: *Platylabops caucasicus* RIEDEL nov.sp.: (9) face of ♀, frontal view, (10) head of ♀, dorsal view, (11) head of ♂, frontal view, (12) basal tergites of ♀, dorsal view, (13) propodeum of ♂, dorsal view.

***Spilothyrates punctus* (GRAVENHORST, 1829)**

Material examined: Orchevi, Tloisi, 1♀ 7-17.VI.2022, leg. G. Japoshvili; Racha, Orchevi, Organeuli, 1♀ 7-17.VI.2022, leg. G. Japoshvili; Orchevi, Shola, 1♀ 7-17.VI.2022, leg. G. Japoshvili.

Distribution: Transpalearctic, known from Azerbaijan (ALIEV 1988), new record for Georgia.

Subfamily Mesochorinae

***Astiphromma italicum* SCHWENKE, 1999**

Material examined: Vashlovani, Mijnskure, 1♀ 5-11.V.2022; Vashlovani, Mijnskure, Alasani bank, 1♀ 15-24.V.2023, all leg. G. Japoshvili.

Distribution: Europe, new record for Georgia and the Caucasus region.

***Cidaphus alarius* (GRAVENHORST, 1829)**

Material examined: Ontchevi Shola, 1♀ 20-27.V.2021, leg. G. Japoshvili.

Distribution: Transpalearctic and Oriental, new record for Georgia and the Caucasus region.

***Mesochorus (Mesochorus) angustatus* THOMSON, 1886**

Material examined: Oni, Mravaldzali, 1♀ 18-24.VIII.2020, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Mesochorus (Mesochorus) capeki* SCHWENKE, 2002**

Material examined: Tetritsklebi, Laliani, 3♀♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Distribution: Known from Czechia and Sweden, new record for Georgia and the Caucasus region.

***Mesochorus (Mesochorus) dispar* BRISCHKE, 1880**

Material examined: Vashlovani, Mjinskure, Alasani bank, 1♀ 23.IX-15.X.2023, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Mesochorus (Mesochorus) fulvipes* SCHWENKE, 1999**

Material examined: Gombori, near ruins of an old building, 1485 m asl., 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Mesochorus (Mesochorus) gladiator* SCHWENKE, 1999, new ♂ (figs 14-16)**

Material examined: Kartli, Tbilisi, AgrUni, Dendropark, 2♀♀ 1♂ 14-21.IV.2022, leg. G. Japoshvili.

Description of new ♂: Body length 5.0 mm. Flagellum slender, with 35 segments; 1st flagellar segment 5.0× as long as wide, 1.4× as long as 2nd segment and 0.67× as long as eye. Temple shortly parallel behind eye and moderately narrowed apically, dorsally 1.1× as long as eye. Distance between lateral ocellus and eye 1.1× ocellar diameter. Face coarsely punctate, partly rugose-punctate, sides ± parallel, width 1.2× combined length of clypeus and face and 1.0× eye length. Mandible with two teeth, ventral tooth slightly larger than dorsal tooth. Ventral 0.5 of facial orbit coarsely striate. Malar space 0.6× as long as width of mandibular base.

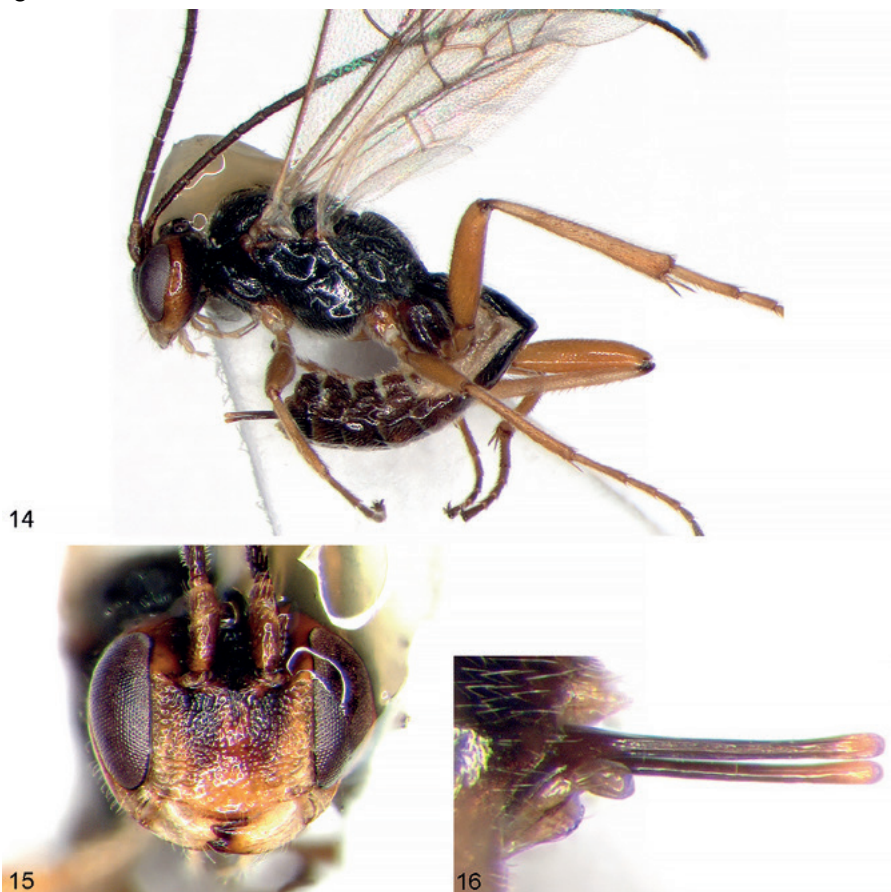
Mesoscutum with fine sparse punctures, shiny. Mesopleuron with fine rather dense punctures dorsally and fine sparse punctures ventrally. Area basalis rectangular, c. 1.5× as long as wide. Area superomedia 1.8× as long as wide and 1.0× as long as area petiolaris; costula reaching at 4/10 of its length. Area petiolaris 1.2× as long as wide. Hind femur 4.2× as long as wide. Hind claws with c. 6 long dense teeth. Areolet pointed frontally, oblique (e.g. vein 3rs-m 1.5× as long as 2rs-m); vein 2m-cu reaching its middle. Vein 1cu-a interstitial. Pterostigma c. 3.0× as long as wide. 1st tergite 2.9× as long as wide;

postpetiole smooth. 2nd tergite 1.1× as long as wide. Thyridium oval. Stylet of paramere 0.73× as long as hind metatarsus, distinctly clubbed apically and slightly bent upwards.

Color: black. Flagellum black. Head black; palps, mandible basally and malar space ivory; clypeus and face reddish-brown, face with two paramedian longitudinal blackish stripes; orbits widely red. Mesosoma black; mesoscutum with H-shaped reddish central spot; hind edge of pronotum, tegula and wing base ivory. Tergites black; 2nd and following tergites with narrow ivory apical margins; 3rd and 4th tergite ochreous medially, brownish laterally. Legs reddish; hind coxa black; hind tibia narrowly black basally, not infusate apically; distal tarsomeres of all legs brownish. Wings hyaline; pterostigma brown.

Remarks: This ♂ runs to couplet 63(64) *M. pectinipes* BRIDGMAN in the key of *Mesochorus* ♂♂ (SCHWENKE 1999: 115-118). It differs by its longer and wider temple, oblique areolet of fore wing, stouter paramere, smooth postpetiole and ivory apical margins of 2nd and following tergites.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.



Figs 14-16: *Mesochorus gladiator* SCHWENKE ♂: (14) habitus, lateral view, (15) head, frontal view, (16) paramere, lateral view.

***Mesochorus (Stictopisthus) maroccanus* (SCHWENKE, 1999)**

M a t e r i a l e x a m i n e d : Vashlovani, Mijnskure, Alasani bank, 1♀ 23.IX-15.X.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Mesochorus (Mesochorus) pectinipes* BRIDGMAN, 1883**

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 2♂♂ 24.IV-4.V.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : West Palaearctic, new record for Georgia and the Caucasus region.

Subfamily M e t o p i i n a e***Exochus hirsutus* TOLKANITZ, 1993**

M a t e r i a l e x a m i n e d : Vashlovani, Mijnskure, Alasani bank, 1♀ 23.IX-13.X.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : Known from Russia and Bulgaria, new record for Georgia and the Caucasus region.

***Exochus ratzeburgi* HOLMGREN, 1858**

M a t e r i a l e x a m i n e d : Tetritsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Exochus vaffer* HOLMGREN, 1873**

M a t e r i a l e x a m i n e d : Orchevi, Shola, 1♀ 7-17.VI.2022, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Metopius laeviusculus* DOMINIQUE, 1898**

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 2♂♂ 8-19.VI.2023, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Metopius pinatorius* BRULLÉ, 1823**

M a t e r i a l e x a m i n e d : Vashlovani, Datviskhevi, 1♀ 16-27.V.2023, leg. G. Japoshvili.

R e m a r k : A very small specimen, body length 8.0 mm.

D i s t r i b u t i o n : Transpalaeartic, known from Krasnodar region (TOLKANITZ 1987), new record for Georgia.

***Spudaeus scaber* (GRAVENHORST, 1829)**

M a t e r i a l e x a m i n e d : Orchevi, Organeuli, 1♀ 7-17.VI.2022, leg. G. Japoshvili; Orchevi, Shola, 1♀ 7-17.VI.2022, leg. G. Japoshvili.

D i s t r i b u t i o n : Holarctic, new record for Georgia and the Caucasus region.

***Trieceus tricarinatus* (HOLMGREN, 1858)**

M a t e r i a l e x a m i n e d : Kintrishi National Park, 2♀♀ 29.VI-13.VII.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, known from Krasnodar region (TELENGA 1929), new record for Georgia.

Subfamily Ophiioninae

***Hellwigia elegans* GRAVENHORST, 1823**

Material examined: Vashlovani, Datviskhevi, 1♀ 16-27.V.2023, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

Subfamily Orthocentrinae

***Plectiscidea nava* FÖRSTER, 1871**

Material examined: Ontchevi, Shola, 1♀ 20-27.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Stenomacrus inferior* AUBERT, 1981**

Material examined: Kintrishi National Park, 1♀ 10-24.VIII.2018, 2♀♀ 24.VIII-7.IX.2018, leg. L. Mumladze.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Stenomacrus vafer* (HOLMGREN, 1858)**

Material examined: Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

Subfamily Orthopelmatinae

***Orthopelma caucasicum* KASPARYAN, 2011**

Material examined: Ontchevi, Shola, 1♀ 20-27.V.2021, leg. G. Japoshvili.

Distribution: Known from Armenia and Azerbaijan (KASPARYAN 2011b), new record for Georgia.

***Orthopelma mediator* (THUNBERG, 1822)**

Material examined: Khvamli 1, 1♀ 1♂ 18-25.V.2021, leg. G. Japoshvili; Tetrtsklebi, Laliani, 3♀♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Distribution: Holarctic, new record for Georgia and the Caucasus region.

Subfamily Phygadeuontinae

***Aclastus solutus* (THOMSON, 1884)**

Material examined: Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Remark: Veins 2m-cu and 2cu-a of fore wing obsolete.

Distribution: Transpalaearctic, new record for Georgia and the Caucasus region.

***Atractodes (Cyclaulatractodes) helveticus* (FÖRSTER, 1876)**

Material examined: Kintrishi National Park, 2465 m asl., 1♀ 15-29.VI.2018, leg. L. Mumladze.

Distribution: Transpalearctic, new record for Georgia and the Caucasus region.

***Bathythrix collaris* (THOMSON, 1896)**

Material examined: Orchevi, Tloisi, 1♀ 7-17.VI.2022, MT, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Caucasus region and Georgia.

***Brachypimpla brachyura* STROBL, 1902**

Material examined: Akhmeta, Babaneuri, 2♂♂ 30.VI-9.VII.2022, 1♀ 9-20.VII.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Chiotica maculipennis* (GRAVENHORST, 1829)**

Material examined: Tetrtsklebi, Laliani, 1♀ 21.VI-4.VII.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic, known from Krasnodar region (MEYER 1933), new record for Georgia.

***Gelis shawi* SCHWARZ, 2016 (det. by M. Schwarz)**

Material examined: Gombori, Old Build, 1485 m asl., 4♀♀ 21-28.VII.2021; Gombori, near Turdo Bridge, 1060 m asl., 1♀ 20-27.VII.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Orthizema hadrocerum* (THOMSON, 1884)**

Material examined: Orchevi, Tloisi, 2♀♀ 7-17.VI.2022, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Stibeutes breviareolatus* (THOMSON, 1884)**

Material examined: Gombori Village, 1100 m asl., 1♀ 21-28.VII.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Stibeutes heinemanni* FÖRSTER, 1850**

Material examined: Khvamli 1, 1♀ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Xiphulcus floricolator* (GRAVENHORST, 1807)**

Material examined: Kintrishi National Park, 1♀ 30.VII-10.VIII.2018, leg. L. Mumladze.

Distribution: Holarctic, new record for Georgia and the Caucasus region.

Subfamily Pimplinae***Scambus sagax* HARTIG, 1838**

Material examined: Vashlovani, Datviskhevi, 1♀ 24.IV-4.V.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, new record for Georgia and the Caucasus region.

Subfamily Poemeniinae***Poemenia notata* HOLMGREN, 1859**

Material examined: Vashlovani, Datviskhevi, 1♀ 5-16.V.2023, leg. G. Japoshvili.

Distribution: West Palaearctic, known from Krasnodar region (MEYER 1934), new record for Georgia.

Subfamily Tryphoninae***Idiogramma euryops* FÖRSTER, 1888**

Material examined: Ontchevi, Shola, 1157 m asl., 1♀ 20-27.V.2021, leg. G. Japoshvili.

Distribution: Holarctic, new record for Georgia and the Caucasus region.

***Parablastus anatolicus* GÜRBÜZ & KOLAROV, 2005**

Material examined: Vashlovani, Mijnskure, Alasani bank, 1♀ 16-27.V.2023; Vashlovani, Datviskhevi, 2♀♀ 5-16.V.2023, 1♀ 27.V-8.VI.2023, leg. Japoshvili.

Remark: Flagellum with 39-45 segments. Scutellum and postscutellum entirely black. Otherwise typical.

Distribution: Known from Turkey, new record for Georgia and the Caucasus region.

***Polyblastus dentigena* KASPARYAN, 1970**

Material examined: Vashlovani, Datviskhevi, 1♀ 5-12.V.2022, 1♀ 24.IV-4.V.2023, 1♀ 16-27.V.2023, leg. G. Japoshvili.

Distribution: Transpalaeartic, known from the Caucasus region (KASPARYAN 1970), new record for Georgia.

Subfamily Xoridinae***Odontocolon thomsoni* (CLÉMENT, 1938)**

Material examined: Khvamli 1, 1♂ 18-25.V.2021, leg. G. Japoshvili.

Distribution: Western Palaearctic, new record for Georgia and the Caucasus region.

***Xorides alpestris* (HABERMEHL, 1903)**

M a t e r i a l e x a m i n e d : Orchevi, Organeuli, 1♂ 7-17.VI.2022, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

***Xorides propinquus* (TSCHEK, 1869)**

M a t e r i a l e x a m i n e d : Khvamlı 1, 2♀♀ 18-25.V.2021, leg. G. Japoshvili.

D i s t r i b u t i o n : Transpalaeartic, new record for Georgia and the Caucasus region.

Acknowledgements

We thank the BMBF-funded project Caucasus Barcode of Life (CaBOL), ref. number 01DK20014A for the financial support. We also thank M. Schwarz (Linz/Austria) and E. Diller (Munich/Germany) for the determinations of some species. This work was supported by Shota Rustaveli National Science Foundation of Georgia (SRNSFG), project ref. NFR-22-1235, Hymenoptera Biodiversity in the Vashlovani National Park.

Zusammenfassung

In dieser Studie werden Verbreitungsangaben zu 158 Arten der Familie Ichneumonidae (Hymenoptera) gemacht, welche an verschiedenen Orten in Sakartvelo (Georgien) gesammelt und die erstmals von Sakartvelo (Georgien) nachgewiesen wurden. 113 dieser Arten sind bisher auch nicht aus anderen Kaukasus-Regionen gemeldet worden.

Zwei Arten, *Olesicampe caucasica* RIEDEL nov.sp. und *Platylabops causicus* RIEDEL nov.sp., und eine Unterart, *Diadegma auricellae causicum* RIEDEL nov.ssp., sind neu für die Wissenschaft. Zusätzlich wird das bisher unbekannte Männchen von *Mesochorus gladiator* SCHWENKE beschrieben.

References

- ABDINBEKOVA A.A. (1963): [The Ichneumonid fauna of the Kuba Khachmassk zone of Azerbaidzhan.] (in Russian). — *Izvestiya Akademii Nauk Azerbaidzhanskoi SSR* **1963** (5): 43-51.
- ALIEV A.A. (1980a): [On the Porizontinae fauna (Hymenoptera, Ichneumonidae) of Azerbaidjan.] (in Russian with Azerbaijani summary). — *Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Biologicheskikh Nauk* **1980** (4): 79-87.
- ALIEV A.A. (1980b): [Scolobatinae (Hymenoptera, Ichneumonidae) of Azerbaidjan.] (in Russian with Azerbaijani summary). — *Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Biologicheskikh Nauk* **1980** (6): 71-75.
- ALIEV A.A. (1988): [Ichneumon wasps (Hymenoptera) from the Lenkoran lowland and Talysh Mountains, Azerbaijan SSR, USSR.] (in Russian). — *Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Biologicheskikh Nauk* **1988** (1): 50-56.
- ALIYEV A. (1999): Fauna of the subfamily Ichneumoninae (Hymenoptera, Ichneumonidae) of Azerbaijan, with new records. — *Turkish Journal of Entomology* **23**: 1-12.
- ATANASOV A.Z. (1981): [A guide to the insects of the European part of the USSR. Hymenoptera, Ichneumonidae, Subfamily Anomaloninae] (in Russian). — *Opredeliteli Faune SSSR* **129**: 432-451.

- BROAD G.R., SHAW M.R. & M.G. FITTON (2018): Ichneumonid wasps (Hymenoptera: Ichneumonidae): their Classification and Biology. — Handbooks for the Identification of British Insects Vol 7, Part 12. Royal Entomological Society, London.
- BROCK J.P. (2017): The Banchine wasps (Ichneumonidae: Banchinae) of the British Isles. — Handbooks for the Identification of British Insects. Vol. 7. Part 4. Royal Entomological Society, London.
- HORSTMANN K. (1994): Nachtrag zur Revision der westpaläarktischen *Nemeritis*-Arten (Hymenoptera, Ichneumonidae, Campopleginae). — Mitteilungen der Münchner Entomologischen Gesellschaft **84**: 79-90.
- HORSTMANN K. (2008): Neue westpaläarktische Arten der Campopleginae (Hymenoptera: Ichneumonidae). — Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen **60**: 3-27.
- JONAITIS V.P. & A.A. ALIEV (1983): [Species composition, number, distribution and some phenological peculiarities of fauna of Ichneumonidae of subfamily Gelinae of the Azerbaidjan SSR (3. Tribe Mesosteneni).] (in Russian with Lithuanian summary). — Trudy Akademii Nauk Litovskoi SSR (C) **(2)**: 57-62.
- KASPARYAN D.R. (1970): Palaeartic Ichneumonids of the genus *Polyblastus* HARTIG (Hymenoptera, Ichneumonidae). — Entomological Review **49**: 519-528.
- KASPARYAN D.R. (2000): Palaeartic ichneumonid wasps of the genus *Mesoleius* HOLMGREN (s.str.) (Hymenoptera, Ichneumonidae). I. — Entomological Review **80**: 144-184.
- KASPARYAN D.R. (2004): A review of the Palaeartic species of the tribe Ctenopelmatini (Hymenoptera, Ichneumonidae). The genera *Ctenopelma* HOLMGREN and *Homaspis* FÖRSTER. — Entomological Review **84**: 332-357.
- KASPARYAN D.R. (2011a): Review of the Palaeartic species of the genus *Hadrodactylus* FÖRSTER, 1869 (Hymenoptera, Ichneumonidae, Ctenopelmatinae) with description of 5 new species. — Entomological Review **91**: 866-888
- KASPARYAN D.R. (2011b): Two new species of the genus *Orthopelma* (Hymenoptera: Ichneumonidae: Orthopelmatinae) from Caucasus and Tian-Shan. — Zoosystematica Rossica **20**: 78-84.
- MEYER N.F. (1929): Schlupfwespen, die in Russland in den Jahren 1891-1926 aus Schädlingen gezogen sind (Fortsetzung). — Izvestiya Otdela Prikladnoi Entomologii **4**: 231-248.
- MEYER N.F. (1930): [Scientific results of the entomological expedition of the Zoological Museum in Ussur territory: I. Hymenoptera, Ichneumonidae.] (in Russian) — Ezhegodnik Zoologicheskago Muzeya. Akademii Nauk SSR **31**: 165-180.
- MEYER N.F. (1933): [Parasitic Hymenoptera in the family Ichneumonidae of the USSR and adjacent countries. Keys to the fauna of the USSR. Vol. 1. Introduction and Ichneumoninae] (in Russian). — Leningrad. 459 pp.
- MEYER N.F. (1934): [Parasitic Hymenoptera of the family Ichneumonidae of the USSR and adjacent countries. Part 3. Pimplinae.] (in Russian). — Akademia Nauk SSSR Press **15**: 1-273, Leningrad.
- MEYER N.F. (1935): [Parasitic Hymenoptera of the family Ichneumonidae of the USSR and adjacent countries. Part 4. Ophioninae.] (in Russian). — Akademia Nauk SSSR Press **16**: 1-535, Leningrad.
- PÉNIGOT W. & G. JAPSHVILI (2025): On the discovery of two new species of the genus *Agrypon* FÖRSTER (Hymenoptera, Ichneumonidae, Anomaloninae) from Georgia (Sakartvelo). — Linzer biologische Beiträge **56** (2): 617-626.
- RASNITSYN A.P. & U.V. SIYTAN (1981): [A guide to the insects of the European part of the USSR. Hymenoptera, Ichneumonidae. Subfamily Ichneumoninae.] (in Russian). — Opredeliteli Faune SSSR **3** (3): 505-636.
- RIEDEL M. (2015): Die paläarktischen Arten der Gattung *Exetastes* (Hymenoptera, Ichneumonidae, Banchinae) des Biozentrums Linz, Österreich. — Linzer biologische Beiträge **47** (2): 1467-1500.
- RIEDEL M. (2021): The genus *Syzeuctus* FÖRSTER in the Western Palaeartic region and Central Asia (Hymenoptera, Ichneumonidae, Banchinae), with descriptions of 17 new species. — Linzer biologische Beiträge **52** (2): 1013-1098.

- RIEDEL M., DILLER E. & G. JAPOSHVILI (2018): The Ichneumonid fauna (Hymenoptera: Ichneumonidae) of Lagodekhi Reserve, Sakartvelo (Georgia), with descriptions of four new species. — *Linzer biologische Beiträge* **50** (2): 1447-1507.
- RIEDEL M. & A. HUMALA (2009): Faunistic notes on the Ichneumoninae (Hymenoptera, Ichneumonidae) (excl. Phaeogenini) from the European part of Russia. — *Russian Entomological Journal* **18**: 207-215.
- RIEDEL M. & G. JAPOSHVILI (2021): New records of Ichneumonidae from Northwestern Sakartvelo (Georgia), with additions to the fauna of Lagodekhi reserve. — *Linzer biologische Beiträge* **53** (1): 241-288.
- RIEDEL M., PÉNIGOT W., SCHWARZ M., DILLER E., JOHANSSON N. & G. JAPOSHVILI (2023): Darwin wasps (Hymenoptera, Ichneumonidae) of the Kintrishi National Park, Sakartvelo (Georgia), with descriptions of six new species. — *Linzer biologische Beiträge* **55** (1): 61-153.
- RIEDEL M., TALEBI A.A. & F. SHIRZADEGAN (2018): Two new species of the genus *Anisobas* WESMAEL (Hymenoptera, Ichneumonidae, Ichneumoninae) from Iran and Uzbekistan. — *Zoology of the Middle East* **64**: 262-266.
- SCHWARZ M. (1997): Revision der Gattung *Synechocryptus* SCHMIEDEKNECHT (Hymenoptera, Ichneumonidae, Cryptinae). — *Linzer biologische Beiträge* **29** (2): 855-882.
- SCHWARZ M. (2005): Revision und Neubeschreibungen von Cryptinae (Hymenoptera, Ichneumonidae) 1. — *Linzer biologische Beiträge* **37** (2): 1641-1710.
- SCHWARZ M. (2015): Zur Kenntnis paläarktischer *Cryptus*-Arten (Hymenoptera, Ichneumonidae, Cryptinae). — *Linzer biologische Beiträge* **47** (2): 749-896.
- SCHWENKE W. (1999): Revision der europäischen Mesochorinae (Hymenoptera, Ichneumonoidea, Ichneumonidae). — *Spixiana Supplement* **26**: 1-124.
- TELENGA N.A. (1929): [Hymenopterous parasites of the family Ichneumonidae reared at the Kubanj Plant Protection Station in 1927.] (in Russian). — *Zastita Bilja (Plant Protection)* **6**: 225-226.
- TOLKANITZ V.I. (1987): [Parasitic Hymenoptera. Ichneumonidae - Metopiinae]. (in Russian). — *Fauna Ukraina* **11**: 1-212.
- VIKTOROV G.A. (1962): The composition of the tribe Acoenitini and its representatives from Armenia. — *Entomological Reviews* **41**: 254-259.
- YU D.S.K., VAN ACHTERBERG C. & K. HORSTMANN (2016): Taxapad 2016 – World Ichneumonoidea 2015. Taxonomy, Biology, Morphology and Distribution. — On USB Flash Drive. Nepean, Ontario, Canada.

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Zeitschrift/Journal: [Linzer biologische Beiträge](#)

Jahr/Year: 2025

Band/Volume: [0057_1](#)

Autor(en)/Author(s): Riedel Matthias, Japoshvili George

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