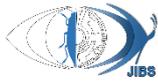


Original Article 

# New contribution to the Darwin wasps (Hymenoptera: Ichneumonidae) from Vashlovani National Park, Georgia (Sakartvelo), with description of two new species

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**ABSTRACT.** During a faunistic and taxonomic survey of Ichneumonidae (Hymenoptera) in Vashlovani National Park, eastern Georgia (Sakartvelo), material collected mainly using Malaise traps was examined. As a result, 127 species belonging to 18 ichneumonid subfamilies were identified, including 30 species recorded for the first time from Georgia and 25 species newly recorded from the Caucasus region. In addition, two new species: *Phaenolobus longiterebra* Riedel **sp. n.** and *Tycherus parastipator* Riedel **sp. n.** are described based on diagnostic morphological characters. This contribution increases knowledge of the ichneumonid fauna of Vashlovani National Park, Georgia, and the Caucasus, and highlights the importance of the semi-arid and steppe ecosystems of eastern Georgia for parasitoid wasp diversity.

**KEYWORDS:** Caucasus, Malaise trap, new records, new species, *Phaenolobus*, *Tycherus***Citation:** Riedel, M. & Japoshvili, G. (2026) New contribution to the Darwin wasps (Hymenoptera: Ichneumonidae) from Vashlovani National Park, Georgia (Sakartvelo), with description of two new species. *Journal of Insect Biodiversity and Systematics*, 12 (02), 337–356.

## INTRODUCTION

Georgia (Sakartvelo), situated at the crossroads of Europe and Asia, harbors a remarkable diversity of habitats, ranging from humid subtropical forests to arid and semi-arid landscapes. While the ichneumonid fauna of some regions of the Caucasus has been investigated sporadically, large areas, especially in eastern Georgia, remain poorly explored. Vashlovani National Park (VNP), located in the Kakheti region near the Azerbaijan border, represents a unique mosaic of steppe, forest-steppe, semi-desert, riparian, and rocky habitats, providing suitable conditions for a diverse assemblage of parasitoid wasps (APA 2014). Vashlovani National Park is one of the oldest protected areas in Georgia. The core of the territory was first designated as the Vashlovani Strict Nature Reserve in 1935, with the primary aim of conserving the characteristic arid and semi-arid landscapes of southeastern Georgia and their associated flora and fauna. For several decades, protection focused mainly on steppe and semi-desert ecosystems that are rare within the Caucasus region.

Following reforms in Georgia's protected area system, the reserve was expanded and reorganized, and in 2003, the Vashlovani Protected Areas were established, including Vashlovani National Park, strict nature reserves, and managed reserve zones (APA 2014). This reorganization allowed for a broader conservation approach, integrating biodiversity protection with controlled research, monitoring, and limited ecotourism. Today, VNP protects a complex mosaic of steppe, forest-steppe, semi-desert, riparian forests, and rocky habitats and is recognized as a key area for the conservation of biodiversity in eastern Georgia.

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The family Ichneumonidae (Darwin wasps) represents one of the most species-rich lineages within Hymenoptera and includes parasitoids of a wide range of insect hosts (Broad et al. 2018). Although the ichneumonid fauna of parts of the Palaearctic region is comparatively well documented, distributional knowledge remains incomplete in many regions, including the Caucasus and central Asia.

The present study aims to contribute to the knowledge of the ichneumonid fauna of eastern Georgia by documenting species collected during recent fieldwork in Vashlovani National Park, highlighting new records for Georgia and the Caucasus region, and describing new species based on morphological evidence.

## MATERIAL AND METHODS

Ichneumonidae specimens were collected in Vashlovani National Park using Malaise traps during different periods of the vegetation seasons, primarily in 2023 and 2024. Traps were installed in various habitat types within the park, including steppe and semi-desert areas, juniper stands, riparian meadows, and the surroundings of central bungalows. Sampling localities covered a broad habitat range and reflected the ecological heterogeneity of the park. The Malaise traps were located at the following places:

**Vashlovani area** (41°12'18.71"N, 46°25'24.79"E), a typical steppe (with stipa grassland) and Pistacia light forest; **Datviskhevi** (41°14'25.82"N, 46°22'59.23"E), located in the western part of Vashlovani protected areas. The area is a semi-desert (arid) canyon, with *Pyrus*, *Carpinus*, *Pistacia*, *Tamarix*, *Rosa* and *Thuja* trees and bushes. To the south, the valley gradually expands and reveals an extensive panorama of "Alesilebi" cliffs. Summers are very hot and dry; **Near Central Bungalows** (41°9'34.34"N, 46°34'2.32"E). This is a place where 11 bungalows are built in stone, surrounded with *Pistacia* and *Juniperus* trees. This location was a perfect habitat for nesting different hymenopterans, such as vespoids, apoidea and pompiloids; **Thuja natural growing**, near Central bungalows (41°9'20.66"N, 46°33'46.17"E). Four species of *Juniperus* characteristic for this park are found here: *J. foetidissima*, *J. rufescens*, *J. oblonga* and *J. polycarpus* (Akhalkatsi & Tarkhnishvili, 2012); **Near farms** (41°11'4.00"N, 46°33'45.60"E), open area with old pistachio trees; **Takhistskali** (41°7'31.50"N, 46°38'58.60"E), an open grassland with different xerophytic plant species; **Mijniskure, meadow** (41°6'44.50"N, 46°38'47.95"E), an open grassland with different xerophytic plant species; **Mijniskure, flood plain, Alazani bank** (41°6'42.00"N, 46°38'56.50"E).

The Alazani River (particularly Mijniskure) and its tributaries are essential water sources for the region. The region features a mix of forests, grasslands, and wetlands. Natural vegetation of the Mijniskure flood plain is characterized by diverse vegetation types dominated by *Quercus*, *Pistacia*, *Carpinus*, *Populus*, *Granatum*, *Rosa*, *Scirpus* and *Rubus*. Typical endemic species of this region is *Iris iberica* – Georgian Iris (Gagnidze, 2005). The climate in Mijniskure varies based on elevation and proximity to the Caspian Sea. Rainfall is more abundant in the spring and autumn months. The mountains are geologically diverse, with sedimentary rocks, volcanic formations, and metamorphic rocks. The Alazani River has shaped the landscape over millennia, carving deep valleys and depositing fertile alluvial soils.

All three habitats in Shavi mta (black mountain), including forest meadow (41°16'50.16"N, 46°37'35.40"E), area near to the solar panels (41°15'51.09"N, 46°38'1.74"E), and picnic area (41°15'46.72"N, 46°37'42.24"E), are very similar in terms of vegetation, consisting mainly of *Quercus* and *Carpinus* forest edges. Collected material was retrieved at regular intervals and preserved in 96% ethanol. In the laboratory, specimens were sorted to family level, dried, and mounted for detailed examination. Identification was carried out using standard taxonomic keys and original descriptions, with special attention paid to diagnostic morphological characters relevant for species-level determination. Comparative material and relevant literature were consulted where necessary.

Terminology for morphological structures follows Broad et al. (2018). Measurements and ratios are given as in the original species descriptions. Type specimens of newly described species and voucher material examined in this study are deposited in the entomological collections indicated in the respective species accounts. Detailed distributional data are not repeated here, as they are comprehensively treated in Yu et al. (2016). New records for Georgia are marked with one asterisk (\*), and new records for the Caucasus region with two asterisks (\*\*).

Holotypes are deposited in the Entomology Collection of the Agricultural University of Georgia (Tbilisi), and some paratypes are deposited in the Zoologische Staatssammlung München (ZSM). The main material is housed in the Entomology Collection of the Agricultural University of Georgia (Tbilisi), with some voucher specimens in the private collection of the first author.

## RESULTS

**Class Insecta Linnaeus, 1758**

**Order Hymenoptera Linnaeus, 1758**

**Family Ichneumonidae Latreille, 1802**

**Subfamily Acaenitinae Förster, 1869**

**Genus *Phaenolobus* Förster, 1869**

***Phaenolobus maior* Szépligeti, 1914 \*\***

**Material examined.** 1♂, Vashlovani, juniper stands, 14–24.IV.2023; 1♀ 27.V.–9.VI.2023; 1♀ 1♂, central bungalows, 14–24.IV.2023, leg. G. Japoshvili.

***Phaenolobus longiterebra* Riedel sp. n.**

<https://zoobank.org/urn:lsid:zoobank.org:act:FC978F4A-8CCF-476A-977C-F1E5EDAD8456>

Fig. 1A–E

**Material examined. Holotype** ♀: GEORGIA, Vashlovani National Park, central bungalows, 4–15.V.2023, leg. G. Japoshvili. (Tbilisi).

**Diagnosis.** This new species is characterized by its black antenna, slightly widened temple, mainly red tergites, long ovipositor and slightly infusate wings. In the key for West Palaearctic *Phaenolobus* species (Kolarov & Gürbüz 2010) the new species runs to *Ph. areolator* (Constantineanu & Constantineanu, 1968) but differs by its longer ovipositor and red facial orbits.

**Etymology.** The species name refers to the conspicuously long ovipositor.

**Description.** — **Female** (Fig. 1A). Body length 10.1 mm.

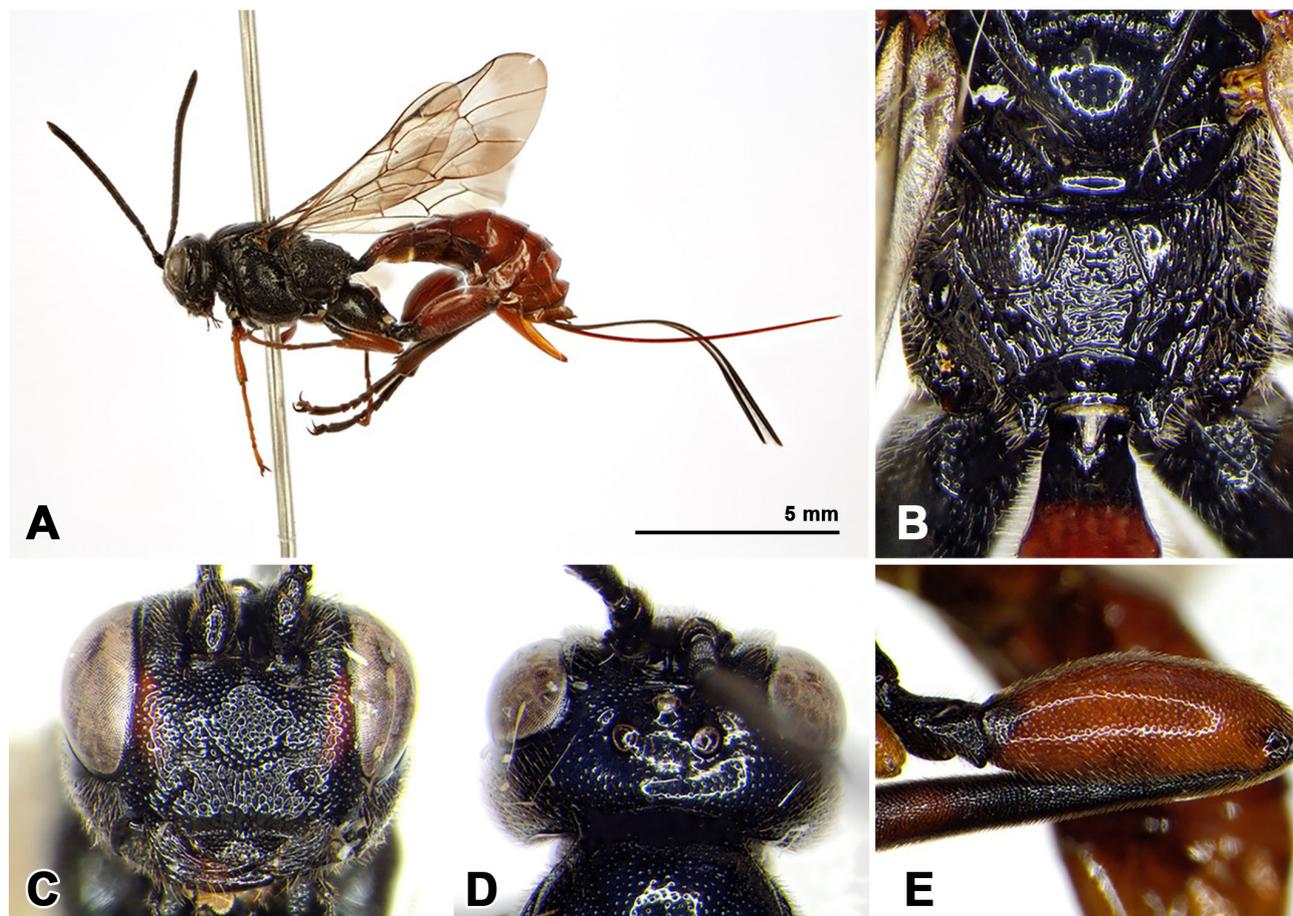
**Head** (Fig. 1C, D). Flagellum with 22 segments, filiform; first flagellomere 2.9 times as long as wide; temple slightly widened behind eye, shiny, with rather dense punctation; occipital carina obsolete medially; distance between lateral ocellus and eye 1.6 times ocellar diameter; frons densely punctate with a median longitudinal ridge and transverse rugae dorsally; face densely punctate and shiny; clypeus moderately convex, coarsely rugose–punctate, ventral margin slightly concave with a blunt median tubercle; ventral mandibular tooth slightly longer than dorsal; malar space 0.6 times as long as basal mandibular width; hypostomal carina lamelliformly widened.

**Mesosoma** (Fig. 1B). Mesoscutum with dense to moderately sparse punctures, smooth and shiny between punctures; median lobe moderately elevated anteriorly; notaulus impressed in anterior 0.6 of mesoscutum; mesopleuron and metapleuron densely punctate, speculum almost smooth; epicnemial carina low, reaching dorsally at centre of mesopleuron; scutellum sparsely punctate, without lateral carina; propodeum with carinae, area basalis and area supermedia confluent, hexagonal, slightly longer than wide, costula at its middle; hind femur stout, 2.6 times as long as wide (Fig. 1E); areolet open; nervellus reclivous, intercepted at anterior 0.3.

**Metasoma.** First tergite 1.7 times as long as apically wide; second tergite 1.4 times as wide as long; tergites smooth and shiny with sparse fine punctures; ovipositor sheath 1.8 times as long as hind tibia.

**Color.** Antenna entirely black; head black with reddish facial orbit; mesosoma black; first tergite red, black in basal 0.2; remaining tergites red; coxae black with apical reddish spots; fore and mid legs reddish; hind femur red; hind tibia black with apical 0.3 brownish part; wings slightly infusate; pterostigma black.

**Male.** Unknown.



**Figure 1.** *Phaenolobus longiterebra* Riedel **sp. n.**, Holotype, female. A. Habitus, lateral view; B. Scutellum and propodeum, dorsal view; C. Head, frontal view; D. Head, dorsal view; E. Hind femur.

### Subfamily Anomaloninae Viereck, 1918

#### Genus *Anomalon* Panzer, 1804

##### *Anomalon chinense* (Kokujev, 1915)

**Material examined.** Vashlovani, Malaise trap, 1♀ 8–21.VI.2023; juniper stands, Malaise trap, 1♀ 27.V.–9.VI.2023, leg. G. Japoshvili.

##### *Anomalon cruentatum* (Geoffroy, 1785)

**Material examined.** Vashlovani, Junipers, Malaise trap, 1♀ 4–15.V.2023, 1♂ 16–27.V.2023, 1♂ 27.V.–9.VI.2023, 1♂ 9–20.VI.2023; Vashlovani, Malaise trap, 1♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

#### Genus *Barylypa* Förster, 1869

##### *Barylypa rufa* (Holmgren, 1857)

**Material examined.** Vashlovani, Junipers, 1♀ 13–23.IX.2023, 1♀ 23.IX.–13.X.2023; Vashlovani, Mijnskure meadows, 1♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

##### *Barylypa uniguttata* (Gravenhorst, 1829)

**Material examined.** Vashlovani, central bungalows, 1♀ 4–14.IV.2023, leg. G. Japoshvili.

**Genus *Erigorgus* Förster, 1869*****Erigorgus melanops* (Förster, 1855)\*\***

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 5–15.IV.2023, leg. G. Japoshvili.

**Genus *Therion* Curtis, 1829*****Therion circumflexum* (Linnaeus, 1758)**

*Material examined.* Vashlovani, 1 ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Subfamily Banchinae Wesmael, 1845****Genus *Banchus* Fabricius, 1798*****Banchus pictus* Fabricius, 1798**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♂ 5–15.IV.2023, 1 ♀ 15–23.IX.2023, 3 ♀♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Genus *Exetastes* Gravenhorst, 1829*****Exetastes adpressorius* (Thunberg, 1822)**

*Material examined.* Vashlovani, Junipers, 1 ♂ 14–24.IV.2023, 1 ♀ 4–15.V.2023, 1 ♂ 16–27.V.2023; Vashlovani, Mijnskure meadows, 2 ♂♂ 16–26.V.2023, 1 ♀ 23.IX.–13.X.2023; Vashlovani, central bungalows, 1 ♂ 24.IV.–4.V.2023; Vashlovani, 1 ♀ 24.IV.–4.V.2023, leg. G. Japoshvili.

***Exetastes albomaculatus* Meyer, 1921\*\***

*Material examined.* 2 ♂♂, Vashlovani, Mijnskure meadows, 23.IX.–13.X.2023, leg. G. Japoshvili.

***Exetastes fornicator* (Fabricius, 1781)**

*Material examined.* Vashlovani, road to Datriskhevi, 1 ♀ 25–31.VII.2024, leg. G. Japoshvili.

***Exetastes segmentarius* Perez, 1895**

*Material examined.* Vashlovani, Junipers, 1 ♀ 16–27.V.2023, leg. G. Japoshvili.

**Genus *Lissonota* Gravenhorst, 1829*****Lissonota coracina* (Gmelin, 1790)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 16–27.V.2023, 1 ♀ 27.V.–9.VI.2023, leg. G. Japoshvili.

***Lissonota mediterranea* Seyrig, 1927\*\***

*Material examined.* Vashlovani, 1 ♀ 1 ♂ 27.V.–8.VI.2023, leg. G. Japoshvili.

***Lissonota pleuralis* Brischke, 1880**

*Material examined.* Vashlovani, Junipers, 1 ♂ 27.V.–9.VI.2023, 1 ♀ 20.VI.–2.VII.2023, 2 ♀♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Genus *Syzeuctus* Förster, 1869*****Syzeuctus kasparyator* Aubert, 1977\*\***

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 16–26.V.2023, leg. G. Japoshvili.

***Syzeuctus maculipennis* (Costa, 1883)\***

*Material examined.* Vashlovani, Shavi mta, near solar panels, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

*Remark.* Metasoma except postbasal yellow band on first tergite completely blackish, otherwise typical.

**Subfamily Brachycyrtinae Viereck, 1919****Genus *Brachycyrtus* Kriechbaumer, 1880*****Brachycyrtus ornatus* Kriechbaumer, 1880**

*Material examined.* Vashlovani, Junipers, 1 ♀ 16–27.V.2023, 1 ♀ 20.VI.–2.VII.2023; Vashlovani, Shavi mta, near solar panels; 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

**Subfamily Campopleginae Förster, 1869****Genus *Alcima* Förster, 1869*****Alcima orbitale* (Gravenhort, 1829)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 4–14.IV.2023; Vashlovani, Mijnskure meadows, 1 ♀ 16–26.V.2023, 1 ♀ 23.IX.–13.X.2023; Vashlovani, central bungalows, 1 ♀ 14–24.IV.2023, leg. G. Japoshvili.

**Genus *Bathyplectes* Förster, 1869*****Bathyplectes exiguus* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, central bungalows, 1 ♀ 24.IV.–4.V.2023, leg. G. Japoshvili.

**Genus *Casinaria* Holmgren, 1859*****Casinaria kriechbaumeri* (Costa, 1884)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 9–20.VI.2023, leg. G. Japoshvili.

***Casinaria mesozosta* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 14–24.IV.2023, leg. G. Japoshvili.

**Genus *Charops* Holmgren, 1859*****Charops cantator* (DeGeer, 1776)**

*Material examined.* Vashlovani, 1 ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Genus *Chromoplex* Horstmann, 1987*****Chromoplex picticollis* (Thomson, 1887)**

*Material examined.* Vashlovani, Shavi mta, forest meadow, 1 ♀ 25–26.VI.2024, leg. G. Japoshvili.

**Genus *Cymodusa* Holmgren, 1859*****Cymodusa australis* (Smits van Burgst, 1913)**

*Material examined.* Vashlovani, central bungalows, 1 ♀ 4–14.IV.2023, leg. G. Japoshvili.

**Genus *Diadegma* Förster, 1868*****Diadegma crassicorne* (Gravenhorst, 1829)\***

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

***Diadegma maculatum* (Gravenhorst, 1829)**

**Material examined.** Vashlovani, 1 ♀ 8–21.VI.2023; Vashlovani, Shavi mta, near solar panels, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

***Diadegma majus* (Szépligeti, 1916)\*\***

**Material examined.** Vashlovani, Mijnskure meadows, 1 ♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Remark.** A very large but typical specimen: Body length 9.0 mm. Flagellum with 32 segments. Otherwise as described by Horstmann (1969).

***Diadegma neocerophagum* Horstmann, 1969\*\***

**Material examined.** Vashlovani, Junipers, 1 ♀ 14–24.IV.2023, leg. G. Japoshvili.

**Genus *Dusona* Cameron, 1901*****Dusona flagellator* (Fabricius, 1793)**

**Material examined.** Vashlovani, Shavi mta, forest meadow, 1 ♀ 25–29.VI.2024; Vashlovani, Shavi mta, near solar panels, 1 ♂ 23–31.VII.2024; Vashlovani, Shavi mta, picnic area, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Hyposoter* Förster, 1869*****Hyposoter aglyphus* Galsworthy & Shaw, 2023\*\***

**Material examined.** Vashlovani, Junipers, 2 ♀ ♀ 14–24.IV.2023, 1 ♀ 16–27.V.2023, leg. G. Japoshvili.

***Hyposoter barretti* (Bridgman, 1881)\*\***

**Material examined.** Vashlovani, Junipers, 1 ♀ 24.IV.–4.V.2023, leg. G. Japoshvili.

***Hyposoter ebenitor* Aubert, 1972\*\***

**Material examined.** Vashlovani, 1 ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

***Hyposoter notatus* (Gravenhorst, 1829)**

**Material examined.** Vashlovani, 1 ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Genus *Nemeritis* Holmgren, 1860*****Nemeritis macrocentra* (Gravenhorst, 1829)\*\***

**Material examined.** Vashlovani, 2 ♀ ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Genus *Nepiesta* Förster, 1869*****Nepiesta tarsalis* (Szepligeti, 1911)\*\***

**Material examined.** Vashlovani, Junipers, 2 ♀ ♀ 4–14.IV.2023, leg. G. Japoshvili.

**Genus *Olesicampe* Förster, 1869*****Olesicampe fulviventris* (Gmelin, 1790)**

**Material examined.** Vashlovani, Mijnskure meadows, 1 ♀ 8–9.VIII.2023, leg. G. Japoshvili.

**Genus *Sinophorus* Förster, 1869**

***Sinophorus fuscicarpus* (Thomson, 1887)**

**Material examined.** Vashlovani, Junipers, 1♀ 4–14.IV.2023; Vashlovani, Mijnskure meadows, 1♀ 16–26.V.2023, leg. G. Japoshvili.

**Genus *Venuria* Schrottky, 1902*****Venturia canescens* (Gravenhorst, 1829)**

**Material examined.** Vashlovani, Mijnskure meadows, 1♀ 13–24.VII.2023, 1♀ 5–15.IX.2023, leg. G. Japoshvili.

**Subfamily Cremastinae Förster, 1869****Genus *Cremastus* Gravenhorst, 1829*****Cremastus pungens* Gravenhorst, 1829\*\***

**Material examined.** Vashlovani, Junipers, 1♀ 1♂ 16–27.V.2023, 2♀♀ 27.V.–9.VI.2023; Vashlovani, Malaise trap, 2♀♀ 2♂♂ 27.V.–8.VI.2023; Vashlovani, central bungalows, 1♀ 4–15.V.2023, leg. G. Japoshvili.

**Genus *Dimophora* Förster, 1869*****Dimophora nitens* (Gravenhorst, 1829)**

**Material examined.** Vashlovani, Junipers, Malaise trap, 1♀ 4–15.V.2023, leg. G. Japoshvili.

**Genus *Eucremastus* Szépligeti, 1905*****Eucremastus collaris* Narolsky, 1990**

**Material examined.** Vashlovani, Junipers, 2♀♀ 1♂ 1–24.IV.2023, 1♀ 24.IV.–4.V.2023, 1♂ 4–15.V.2023; Vashlovani, central bungalows, MT, 1♀ 24.IV.–15.V.2023, 1♂ 4–15.V.2023, leg. G. Japoshvili.

**Genus *Pristomerus* Curtis, 1836*****Pristomerus persicus* Riedel, Ameri, Talebi & Ebrahimi, 2019\*\***

**Material examined.** Vashlovani, Mijnskure meadows, Malaise trap, 1♂ 8–19.VIII.2023, leg. G. Japoshvili.

**Remarks.** The specimen differs from the original description (Riedel et al. 2019) by: Body length 8.0 mm. Flagellum with 29 flagellomeres. Occiput and speculum entirely yellowish. Hind tarsus black. All other characters agree with the original description. The female of this species is still unknown.

**Genus *Temelucha* Förster, 1869*****Temelucha anatolica* Sedivy, 1959**

**Material examined.** Vashlovani, Mijnskure meadows, 1♀ 13–24.VII.2023, leg. G. Japoshvili.

***Temelucha confluens* (Gravenhorst, 1829)**

**Material examined.** Vashlovani, Mijnskure meadows, 1♀ 2♂♂ 5–15.IV.2023, 1♀ 2♂♂ 15–25.IV.2023, leg. G. Japoshvili.

***Temelucha decorata* (Gravenhorst, 1829)**

**Material examined.** Vashlovani, Mijnskure meadows, Malaise trap, 1♂ 3–14.VII.2023, 1♀ 8–19.VIII.2023; Vashlovani, central bungalows, 1♂ 24.IV.–4.V.2023, 1♀ 4–15.V.2023; Vashlovani, road to Datriskhevi, Malaise trap, 2♂♂ 25–31.VII.2024, leg. G. Japoshvili.

***Temelucha interruptor* (Gravenhorst, 1829)\*\***

*Material examined.* Vashlovani, Malaise trap, 1♀ 24.IV.–4.V.2023, 1♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Subfamily Cryptinae Kirby, 1837****Genus *Aritranis* Förster, 1869*****Aritranis longicauda* (Kriechbaumer, 1873)**

*Material examined.* Vashlovani, Junipers, 1♀ 16–27.V.2023, leg. G. Japoshvili.

**Genus *Cryptus* Fabricius, 1804*****Cryptus inculcator* (Linnaeus, 1758)\***

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 2♂♂ 23.IX.–13.X.2023, leg. G. Japoshvili.

*Remarks.* These specimens represent the forma 56. *Cryptus* cf. *inculcator* (see Schwarz 2015): Color of ♀ black. Flagellum black, flagellomeres 6–9 ivory dorsally. Head black, complete orbit (except small interruption at malar space) ivory. Mesosoma black; collar and upper margin of pronotum, spot of tegula, subtegular ridge, median spot of mesoscutum, spot on speculum, posterior 2/3 of scutellum, postscutellum and posterior transverse carina of propodeum ivory. Tergites reddish, basal half of petiole black. Legs entirely reddish. Pterostigma blackish.

***Cryptus spinosus* Gravenhorst, 1829**

*Material examined.* Vashlovani, Junipers, 1♀ 16–27.V.2023; Vashlovani, central bungalows, 1♀ 4–14.IV.2023, leg. G. Japoshvili.

**Genus *Hoplocryptus* Thomson, 1873*****Hoplocryptus heliophilus* (Tschek, 1871)\***

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 16–26.V.2023, leg. G. Japoshvili.

**Genus *Mesostenus* Gravenhorst, 1829*****Mesostenus grammicus* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Junipers, 1♀ 4–14.IV.2023, 1♀ 1♂ 20.VI.–2.VII.2023, 1♀ 23.VIII.–13.VIII.2023; Vashlovani, Mijnskure meadows, Malaise trap, 1♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Genus *Polytribax* Förster, 1869*****Polytribax perspicillator* (Gravenhorst, 1807)**

*Material examined.* Vashlovani, Junipers, Malaise trap, 1♂ 4–15.V.2023, leg. G. Japoshvili.

**Genus *Synechocryptus* Schmiedeknecht, 1904*****Synechocryptus erberi* (Tschek, 1871)\***

*Material examined.* Vashlovani, Junipers, 1♂ 4–14.IV.2023; Vashlovani, Mijnskure meadows, 1♀ 5–15.IV.2023, 1♂ 15–25.IV.2023, 1♂ 16–26.V.2023, 1♂ 23.IX.–13.X.2023, leg. G. Japoshvili.

***Synechocryptus persicator* Aubert, 1986**

*Material examined.* Vashlovani, Junipers, 1♂ 4–15.V.2023, leg. G. Japoshvili.

**Genus *Trychosis* Förster, 1869*****Trychosis legator* (Thunberg, 1822)**

*Material examined.* Vashlovani, Junipers, 1♀ 16–27.V.2023, 1♀ 9–20.VI.2023; Vashlovani, Mijnskure meadows, Malaise trap, 1♀ 5–15.IV.2023, 2♀♀ 15–25.IV.2023, 1♀ 1♂ 16–26.V.2023, leg. G. Japoshvili.

***Trychosis tristator* (Tschek, 1871)**

*Material examined.* Vashlovani, Junipers, Malaise trap, 1♀ 27.V.–9.VI.2023; Vashlovani, Mijnskure meadows, Malaise trap, 1♀ 16–26.V.2023, leg. G. Japoshvili.

**Genus *Xylophrurus* Förster, 1869*****Xylophrurus augustus* (Dalman, 1823)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 5–15.IV.2023, 1♀ 1♂ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Subfamily Ctenopelmatinae Förster, 1869****Genus *Labrossyta* Förster, 1869*****Labrossyta scotoptera* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, 1♀ 27.V.–8.VI.2023; Vashlovani, Junipers, Malaise trap, 1♀ 27.V.–9.VI.2023, leg. G. Japoshvili.

**Genus *Perilissus* Förster, 1855*****Perilissus pallidus* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 1♂ 4–15.V.2023, 1♀ 16–27.V.2023 leg. G. Japoshvili.

***Perilissus spilonotus* (Stephens, 1835)**

*Material examined.* Vashlovani, Shavi mta, forest meadow, 1♂ 25.V.–2.VI.2024, leg. G. Japoshvili.

**Genus *Pionpherta* Aubert, 1993*****Pionpherta superba* (Schmiedeknecht, 1900)\***

*Material examined.* Vashlovani, Junipers, 1♀ 1♂ 4–14.IV.2023; Vashlovani, central bungalows, 1♂ 4–14.IV.2023, leg. G. Japoshvili.

**Genus *Priopoda* Holmgren, 1856*****Priopoda apicaria* (Geoffroy, 1785)**

*Material examined.* Vashlovani, central bungalows, 1♂ 24.IV.–4.V.2023, 1♀ 4–15.V.2023, leg. G. Japoshvili.

**Subfamily Diplazontinae Viereck, 1918****Genus *Diplazon* Nees, 1818*****Diplazon laetatorius* (Fabricius, 1781)**

*Material examined.* Vashlovani, Mijnskure meadows, Malaise trap, 1♀ 5–15.IV.2023, leg. G. Japoshvili.

**Subfamily Ichneumoninae Latreille, 1802****Genus *Amblyteles* Wesmael, 1845*****Amblyteles armatorius* (Forster, 1771)**

*Material examined.* Vashlovani, Junipers, 3♂♂ 14–24.IV.2023; Vashlovani, Mijnskure meadows, 1♂ 15–25.IV.2023; Vashlovani, Malaise trap, 1♀ 24.IV.–4.V.2023, leg. G. Japoshvili.

**Genus *Barichneumon* Thomson, 1893*****Barichneumon albicaudatus* (Fonscolombe, 1847)**

*Material examined.* Vashlovani, central bungalows, 1♀ 4–14.IV.2023, leg. G. Japoshvili.

***Barichneumon derogator* (Wesmael, 1845)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♂ 23.IX.–13.X.2023; Vashlovani, 1♂ 27.V.–8.VI.2023, 1♂ 8–21.VI.2023, leg. G. Japoshvili.

***Barichneumon sexalbatus* (Gravenhorst, 1820)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 5–15.IV.2023, 1♀ 23.IX.–13.X.2023; Vashlovani, Malaise trap, 1♂ 27.V.–8.VI.2023; Vashlovani, picnic area, 1♀ 23–31.VII.2024, leg. G. Japoshvili.

***Barichneumon vicarius* (Wesmael, 1845)**

*Material examined.* Vashlovani, picnic area, 2♀♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Coelichneumon* Thomson, 1893*****Coelichneumon ophiusae* (Kriechbaumer, 1890)**

*Material examined.* Vashlovani, central bungalows, 1♂ 4–14.IV.2023, leg. G. Japoshvili.

***Coelichneumon singularis* (Berthoumieu, 1894)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♂ 5–15.IV.2023, leg. G. Japoshvili.

**Genus *Ctenichneumon* Thomson, 1894*****Ctenichneumon edictorius* (Linnaeus, 1758)**

*Material examined.* Vashlovani, Junipers, 1♂ 4–14.IV.2023, leg. G. Japoshvili.

***Ctenichneumon inspector* (Wesmael, 1845)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 4♂♂ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Genus *Dicaelotus* Wesmael, 1845*****Dicaelotus montanus* (de Stefani, 1885)**

*Material examined.* Vashlovani, Shavi mta, near solar panels, 1♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Heterischnus* Wesmael, 1859*****Heterischnus ridibundus* (Costa, 1885)**

*Material examined.* Vashlovani, Junipers, 1♀ 4–15.V.2023, leg. G. Japoshvili.

### Genus *Ichneumon* Linnaeus, 1758

#### *Ichneumon balteatus* Wesmael, 1845 \*

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 2♂♂ 15–25.IV.2023, leg. G. Japoshvili.

### Genus *Misetus* Wesmael, 1845

#### *Misetus oculatus* Wesmael, 1845

*Material examined.* Vashlovani, Junipers, 1♂ 16–27.V.2023, leg. G. Japoshvili.

### Genus *Platylabus* Wesmael, 1845

#### *Platylabus iridipennis* (Gravenhorst, 1829)

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 5–15.IV.2023, leg. G. Japoshvili.

### Genus *Spilothyrates* Heinrich, 1967

#### *Spilothyrates nuptatorius* (Fabricius, 1793)

*Material examined.* Vashlovani, Junipers, 1♂ 4–14.IV.2023, leg. G. Japoshvili.

### Genus *Tycherus* Förster, 1869

#### *Tycherus parastipator* Riedel sp. n.

<https://zoobank.org/urn:lsid:zoobank.org:act:98F05741-35FC-47BD-B0E6-6351C109D613>

Fig. 2A–E

*Material examined.* **Holotype** ♀, SW Georgia, Kintrishi N.P. 404 m asl., 41°26'28.94"N, 41°35'4.26"E, MT 7, 19.V.–1.VI.2018, leg. G. Japoshvili. (Tbilisi). **Paratypes:** 1♀, SW Georgia, Kintrishi N.P. 404 m asl., 41°26'28.94"N, 41°35'4.26"E, MT 7, 5–20.V.2018, leg. G. Japoshvili. (ZSM); 1♀, SW Georgia, Kintrishi N.P. 1020 m asl., 41°26'4.55"N, 42°2'37.00"E, MT 2, 27.VII.–10.VIII.2018, leg. G. Japoshvili. (ZSM).

*Diagnosis.* This new species is closely related to *T. stipator* (Wesmael) and runs to that species in the available keys for European *Tycherus* species (Rasnitsyn & Sityan 1981; Ranin 1983). For the differences between the two species, see Table 1.

*Etymology.* The species name refers to the close relationship to *T. stipator* (Wesmael).

*Description.* — **Female** (Holotype & paratypes). Body length 6.3–6.5 mm. Length of fore wing 4.5–4.8 mm.

*Head* (Fig. 2A–C). Flagellum short, filiform, with 22–23 segments; first flagellomere 1.7–1.8 times and second flagellomere 2.0 times as long as wide, second flagellomere 1.1–1.2 times as long as first segment; about ninth flagellomere square. Temple moderately and roundly narrowed behind eye. Temple and gena sparsely punctate, shiny. Distance between lateral ocellus and eye 1.5–1.7 times ocellar diameter. Frons densely punctate and with concentric striae above antennal sockets. Face densely punctate, with some transverse rugae medially. Clypeus moderately convex, with sparse punctures; ventral margin finely granulated, distinctly bent inwards. Malar space 0.5 times as long as width of mandibular base. Mandible with straight ventral margin in basal 2/3; ventral tooth smaller than dorsal tooth. Genal carina reaching hypostomal carina away from mandibular base; hypostomal carina slightly elevated.

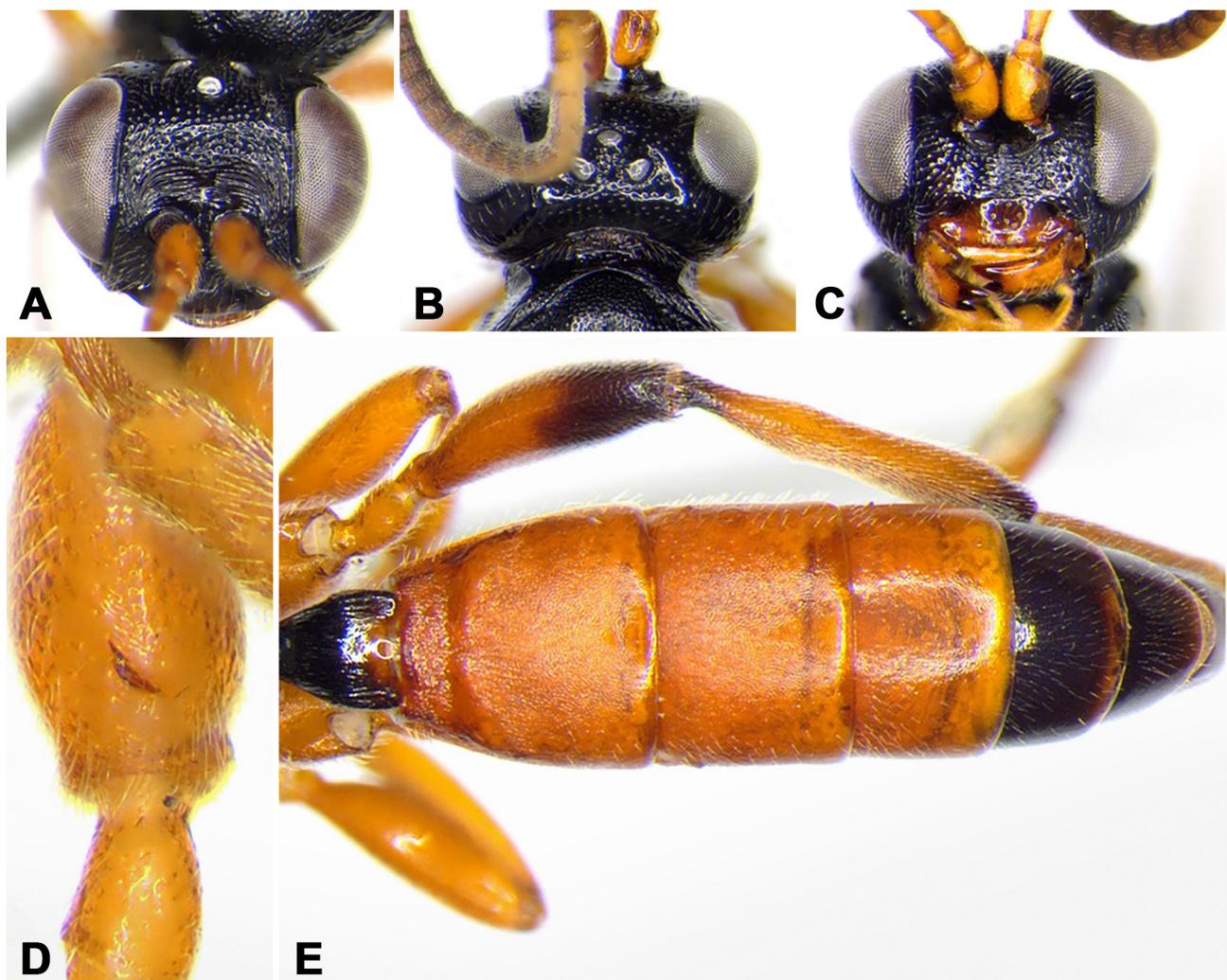
*Mesosoma.* Notaulus impressed in anterior fifth of mesoscutum. Mesoscutum densely punctate, shiny. Side of pronotum punctate dorsally, with longitudinal striae ventrally. Mesopleuron and metapleuron densely punctate, shiny; speculum partly smooth. Epicnemial carina low. Scutellum almost flat, about as long as wide, densely punctate, with lateral carina in basal 0.3–0.4. Propodeum coarsely punctate; area posteroexterna with transverse rugae. Spiracle round. Area superomedia hexagonal, 1.5 times as

long as wide; costula in its middle. Lateral carina of area petiolaris partly obsolete. Hind coxa densely punctate, with short oblique ridge ventrally (Fig. 2D). Hind femur stout, 3.1–3.3 times as long as wide, with superficial punctures. External surface of hind tibia without distinct spines. Claws simple. Areolet pentagonal, vein 3rs-m present but unpigmented; vein 2m-cu at the middle of areolet. Vein 1cu-a postfurcal by 2 times its width.

*Metasoma* (Fig. 2E). Oxyptygous. Postpetiole moderately widened, 2.4 times as wide as base of petiole; without latero-median carina, finely aciculate. Gastrocoelus impressed, finely rugose-punctate. Thyridium large, slightly oblique, 1.4–1.9 times as wide as interval between thyridia. Second tergite 0.9–1.0 times and third tergite 0.7–0.8 times as long as wide. Second to fourth tergites granulate, dull. Ovipositor sheath slightly reaching beyond metasomal apex.

**Color.** Black. Antenna tri-coloured: Scape, pedicel and basal four flagellomeres orange; following flagellomeres blackish, flagellomeres 8–10 ivory dorsally. Head black; palps and mandible except teeth orange; clypeus ± reddish apically. Mesosoma black; tegula yellowish. 1<sup>st</sup> tergite black, apical margin of postpetiole sometimes narrowly red. 2<sup>nd</sup> to 4<sup>th</sup> tergites entirely and sometimes basal margin of 5<sup>th</sup> tergite red. Legs orange; hind femur black in apical 0.3–0.6 and hind tibia black basally and in apical 0.2. Pterostigma pale brownish.

**Male.** unknown.



**Figure 2.** *Tycherus parastipator* Riedel sp. n., holotype, female. A. Head, frontal view; B. Head, dorsal view; C. Head, clypeal view; D. Hind coxa; E. Metasoma, dorsal view.

**Table 1.** Differences between *Tycherus parastipator* sp. n. and *Tycherus stipator* (Wesmael).

<i>Tycherus stipator</i> (Wesmael)	<i>Tycherus parastipator</i> sp. n.
First tergite red	First tergite black
Temple slightly widened behind the eye	Temple slightly narrowed behind the eye
First flagellomere 1.3× as long as wide	First flagellomere 1.7–1.8× as long as wide
Second tergite 0.9–1.0× as long as wide	Second tergite 1.1–1.2× as long as wide

**Genus *Virgichneumon* Heinrich, 1977*****Virgichneumon callicerus* (Gravenhorst, 1820)**

*Material examined.* Vashlovani, road to Datriskhevi, 1♂ 25–31.VII.2024, leg. G. Japoshvili.

***Virgichneumon digrammus* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Junipers, 1♂ 27.V.–9.VI.2023, leg. G. Japoshvili.

**Subfamily Mesochorinae Förster, 1869****Genus *Astiphromma* Förster, 1869*****Astiphromma italicum* Schwenke, 1999**

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 25.IV.–5.V.2023, leg. G. Japoshvili.

**Genus *Mesochorus* Gravenhorst, 1829*****Mesochorus (Mesochorus) arenarius* (Haliday, 1838)\*\***

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 15–25.IV.2023, leg. G. Japoshvili.

***Mesochorus (Mesochorus) discitergus* (Say, 1835)**

*Material examined.* Vashlovani, Mijnskure meadows, 2♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

***Mesochorus (Mesochorus) dispar* Brischke, 1880**

*Material examined.* Vashlovani, Junipers, 1♀ 1♂ 16–27.V.2023, leg. G. Japoshvili.

***Mesochorus (Mesochorus) faciator* Horstmann, 2003**

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 23.IX.13.X.2023; Vashlovani, 1♀ 8–21.VI.2023, leg. G. Japoshvili.

***Mesochorus (Stictopisthus) maroccanus* (Schwenke, 1999)\*\***

*Material examined.* Vashlovani, Mijnskure meadows, 1♀ 8–19.VIII.2023; Vashlovani, Malaise trap, 1♀ 8–21.VI.2023; Vashlovani, central bungalows, MT, 1♀ 4–15.V.2023, leg. G. Japoshvili.

***Mesochorus (Mesochorus) vittator* (Zetterstedt, 1838)**

*Material examined.* Vashlovani, Shavi mta, forest meadow, 1♀ 23–31.VII.2024, leg. G. Japoshvili.

**Subfamily Metopiinae Förster, 1869****Genus *Colpotrochia* Holmgren, 1856*****Colpotrochia cincta* (Scopoli, 1763)**

*Material examined.* Vashlovani, Mijnskure meadows, 1♂ 14–25.IX.2023; Vashlovani, Shavi mta, picnic area, 1♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Exochus* Gravenhorst, 1829*****Exochus castaniventris* Brauns, 1896**

*Material examined.* Vashlovani, 1 ♀ 24.IV.–4.V.2023, leg. G. Japoshvili.

***Exochus flavomarginatus* Holmgren, 1856**

*Material examined.* Vashlovani, Junipers, 1 ♂ 20.VI.–2.VII.2023, leg. G. Japoshvili.

***Exochus erythronotus* (Gravenhorst, 1820)**

*Material examined.* Vashlovani, 2 ♀ ♀ 2 ♂ ♂ 8–21.VI.2023; Vashlovani, Shavi mta, forest meadow 1 ♀ 25–26.VI.2024, leg. G. Japoshvili.

***Exochus mitratus* Gravenhorst, 1829**

*Material examined.* Vashlovani, 2 ♀ ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

***Exochus thomsoni* Schmiedeknecht, 1924**

*Material examined.* Vashlovani, Shavi mta, picnic area, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Hypsicera* Latreille, 1829*****Hypsicera subtilitor* Aubert, 1969\*\***

*Material examined.* Vashlovani, Shavi mta, forest meadow, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Metopius* Panzer, 1806*****Metopius laeviusculus* Dominique, 1898**

*Material examined.* Vashlovani, central bungalows, 1 ♂ 24.IV.–4.V.23023, 1 ♂ 4–15.V.2023, leg. G. Japoshvili.

**Subfamily Orthocentrinae Förster, 1869****Genus *Megastylus* Schiødte, 1838*****Megastylus flavopictus* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 14–24.IV.2023, 1 ♀ 24.IV.–4.V.2023; Vashlovani, Mijnskure meadows, Malaise trap, 1 ♀ 13–24.VII.2023, leg. G. Japoshvili.

**Genus *Orthocentrus* Gravenhorst, 1829.*****Orthocentrus hirsutor* Aubert, 1969\*\***

*Material examined.* Vashlovani, Shavi mta, near solar panels, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

***Orthocentrus sannio* Holmgren, 1858\*\***

*Material examined.* Vashlovani, Shavi mta, forest meadow, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

***Orthocentrus winnertzii* Förster, 1850**

*Material examined.* Vashlovani, Junipers, 1 ♀ 9–20.VI.2023, leg. G. Japoshvili.

**Subfamily Phygadeuontinae Förster, 1869****Genus *Chirotica* Förster, 1869**

***Chirotica albobasalis* Horstmann, 1983\*\***

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 21.VI.–3.VII.2023, leg. G. Japoshvili.

***Chirotica maculipennis* (Gravenhorst, 1829)\*\***

*Material examined.* Vashlovani, Junipers, 1 ♀ 16–27.V.2023; Vashlovani, central bungalows, 1 ♀ 14–24.IV.2023, leg. G. Japoshvili.

***Chirotica terebrator* Horstmann, 1983\*\***

*Material examined.* Vashlovani, Junipers, 1 ♀ 9–20.VI.2023, leg. G. Japoshvili.

**Genus *Mesoleptus* Gravenhorst, 1829*****Mesoleptus laevigatus* (Gravenhorst, 1820)**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 16–26.V.2023, leg. G. Japoshvili.

**Genus *Stibeutes* Förster, 1869*****Stibeutes rozsyali* (Gregor, 1941)\*\***

*Material examined.* Vashlovani, Mijnskure meadows, 3 ♀♀ 5–15.IV.2023, 1 ♀ 15–25.IV.2023, leg. G. Japoshvili.

**Subfamily Pimplinae Wesmael, 1845****Genus *Clistopyga* Gravenhorst, 1829*****Clistopyga incitator* (Fabricius, 1793)**

*Material examined.* Vashlovani, Shavi mta, picnic area, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Endromopoda* Hellén, 1939*****Endromopoda phragmitis* (Perkins, 1957)**

*Material examined.* Vashlovani, Mijnskure meadows, Malaise trap, 1 ♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Genus *Exeristes* Förster, 1869*****Exeristes roborator* (Fabricius, 1793)**

*Material examined.* Vashlovani, Shavi mta, picnic area, 1 ♀ 23–31.VII.2024, leg. G. Japoshvili.

**Genus *Itopectis* Förster, 1868*****Itopectis alternans* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 5–15.IV.2023, leg. G. Japoshvili.

**Genus *Pimpla* Fabricius, 1804*****Pimpla spuria* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 1–26.V.2023, leg. G. Japoshvili.

***Pimpla rufipes* (Müller, 1776)**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 5–15.IV.2023, leg. G. Japoshvili.

**Genus *Scambus* Hartig, 1838*****Scambus sagax* Hartig, 1838**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 5–15.IV.2023, 1 ♀ 15–25.IV.2023, 1 ♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

***Scambus vesicarius* (Ratzeburg, 1844)**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 5–15.IV.2023, leg. G. Japoshvili.

**Genus *Tromatobia* Förster, 1869*****Tromatobia lineatoria* (Villers, 1789)**

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

***Tromatobia ornata* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 14–24.IV.2023, leg. G. Japoshvili.

**Genus *Zabrachypus* Cushman, 1920*****Zabrachypus primus* Cushman, 1920\***

*Material examined.* Vashlovani, Mijnskure meadows, 1 ♀ 23.IX.–13.X.2023, leg. G. Japoshvili.

**Genus *Zaglyptus* Förster, 1869*****Zaglyptus multicolor* (Gravenhorst, 1829)**

*Material examined.* Vashlovani, Junipers, 1 ♀ 4–14.IV.2023, leg. G. Japoshvili.

**Genus *Zatypota* Förster, 1869*****Zatypota bohemani* (Holmgren, 1860)**

*Material examined.* Vashlovani, Junipers, 1 ♂ 4–14.IV.2023, 1 ♀ 16–27.V.2023; Vashlovani, 1 ♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Subfamily Poemeninae Narayanan & Lal, 1953****Genus *Poemenia* Holmgren, 1859*****Poemenia notata* Holmgren, 1859**

*Material examined.* Vashlovani, central bungalows, 1 ♀ 4–15.V.2023, leg. G. Japoshvili.

**Subfamily Tersilochinae Schmiedeknecht, 1910****Genus *Diaparsis* Förster, 1869*****Diaparsis aperta* (Thomson, 1889)**

*Material examined.* Vashlovani, Junipers, 2 ♀ ♀ 16–27.V.2023, leg. G. Japoshvili.

**Subfamily Tryphoninae Shuckard, 1840****Genus *Netelia* Gray, 1860*****Netelia dilatata* (Thomson, 1888)**

*Material examined.* Vashlovani, Junipers, 2 ♂ ♂ 24.IV.–4.V.2023; Vashlovani, Mijnskure meadows, Malaise trap, 2 ♀ ♀ 4–15.V.2023; Vashlovani, Malaise trap, 1 ♀ 1 ♂ 24.IV.–4.V.2023, 1 ♂ 27.V.–8.VI.2023, leg. G. Japoshvili.

### Genus *Monoblastus* Hartig, 1837

#### *Monoblastus fulvoscens* (Fonscolombe, 1849)

**Material examined.** Vashlovani, Junipers, 1♂ 14–24.IV.2023; Vashlovani, central bungalows, 1♂ 14–24.IV.2023, 1♀ 24.IV.–3.V.2023, leg. G. Japoshvili.

### Genus *Parablastus* Constantineanu, 1973

#### *Parablastus anatolicus* Gürbüz & Kolarov, 2005

**Material examined.** Vashlovani, Mijnskure meadows, 1♀ 16–26.V.2023; Vashlovani, 1♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

**Remark.** Flagellum with 40 segments.

#### *Parablastus ibericus* Kasparyan, 1999

**Material examined.** Vashlovani, Junipers, Malaise trap, 1♂ 14–24.IV.2023; Vashlovani, central bungalows, 1♀ 4–15.V.2023, leg. G. Japoshvili.

### Genus *Thibetoides* Davis, 1879

#### *Thibetoides acerbus* Viktorov, 1964

**Material examined.** Vashlovani, Junipers, 1♀ 4–14.V.2023, 1♀ 14–24.IV.2023, leg. G. Japoshvili.

### Genus *Thymaris* Förster, 1869

#### *Thymaris niger* (Taschenberg, 1865)

**Material examined.** Vashlovani, 1♀ 24.IV.–4.V.2023, 1♀ 27.V.–8.VI.2023, leg. G. Japoshvili.

## DISCUSSION

Although the family Ichneumonidae (Hymenoptera) represents one of the largest insect families in the Western Palearctic region, with more than 7,000 described species (Yu et al. 2016), the ichneumonid fauna of Georgia has been addressed in only a few studies to date (Riedel et al. 2018, 2023; Riedel & Japoshvili 2021, 2025; Penigot & Japoshvili 2025). As a result, the number of ichneumonid species currently recorded from Georgia (including the new findings) reaches 1,284 species, a number comparable with other adjacent countries, e. g., Turkey with approximately 1,200 species (Yu et al. 2016).

Here, we present new distributional data for 127 ichneumonid species belonging to 18 subfamilies, collected in Vashlovani National Park. Thirty species are additionally reported as new for Georgia, and 23 species are new for the whole Caucasus region. In addition, two Georgian species, *Phaenolobus longiterebra* Riedel **sp. n.**, and *Tycherus parastipator* Riedel **sp. n.**, are described as new to science. Given the ongoing discovery of new taxa in the region, we suggest that the currently known fauna does not adequately reflect the true biodiversity of this parasitic hymenopteran family in the Caucasus. Therefore, continued intensive collecting across different regions of Georgia, combined with further taxonomic studies, will be necessary to establish a realistic estimate of the ichneumonid biodiversity of the country.

## AUTHOR'S CONTRIBUTION

The authors confirm their contribution to the paper as follows: M. Riedel: Taxonomic examination and comparison of specimens, identification, data collection, photography, drafting, and revising the manuscript; J. Japoshvili: Conceptualization, fund acquisition, curation of the specimens, and revising the manuscript.

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## AVAILABILITY OF DATA AND MATERIAL

The specimens listed in this study are deposited in the Entomology Collection of the Agricultural University of Georgia (Tbilisi), and in the Zoologische Staatssammlung München (ZSM), and are available from the curator upon request.

## ETHICS APPROVAL AND CONSENT TO PARTICIPATE

This study only included arthropod material, and all required ethical guidelines for the treatment and use of animals were strictly adhered to in accordance with international, national, and institutional regulations. No human participants were involved in any studies conducted by the authors for this article.

## CONSENT FOR PUBLICATION

Not applicable.

## CONFLICT OF INTERESTS

The authors declare that there is no conflict of interest regarding the publication of this paper.

## GENERATIVE AI STATEMENT

No generative AI tools were used in the preparation of this paper.

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## یافته‌های جدید از زنبورهای داروین (Hymenoptera: Ichneumonidae) در پارک ملی واشلووانی در گرجستان، با توصیف دو گونه جدید

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**چکیده:** طی بررسی فونستیک و تاکسونومیک بال‌غشاییان خانواده Ichneumonidae در پارک ملی واشلووانی، شرق گرجستان (ساکارت‌ولو)، نمونه‌برداری عمدتاً با استفاده از تله‌های مالایز انجام و نمونه‌ها مورد بررسی قرار گرفت. در نتیجه، ۱۲۷ گونه متعلق به ۱۸ زیرخانواده از زنبورهای ایکنومونید شناسایی شدند که از بین آنها ۳۰ گونه برای اولین بار از گرجستان و ۲۵ گونه به تازگی از منطقه قفقاز ثبت شدند. علاوه بر این، دو گونه جدید: *Phaenolobus longiterebra* Riedel sp. n. و *Tycherus parastipator* Riedel sp. n. بر اساس ویژگی‌های مورفولوژیک افتراقی توصیف شدند. نتایج این مطالعه، دانش کنونی در مورد فون ایکنومونیدها در پارک ملی واشلووانی، گرجستان و قفقاز را افزایش داده و بر اهمیت اکوسیستم‌های نیمه‌خشک و استپی شرق گرجستان به لحاظ تنوع زنبورهای پارازیتوید تاکید دارد.

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**واژگان کلیدی:** قفقاز، تله مالایز، ثبت‌های جدید، گونه‌های جدید، *Tycherus*، *Phaenolobus*