

Contributions to the Knowledge of *Ichneumonidae* from Măcin Mountains

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## Rezumat

## Contribuții la cunoașterea ichneumonidelor din Munții Măcin

Această lucrare reprezintă prima contribuție la cunoașterea faunei de ichneumonide din Munții Măcin, județul Tulcea. Autorii prezintă 12 specii de ichneumonide care aparțin subfamiliilor: *Ichneumoninae*, *Phaeogeninae*, *Pimplinae* și *Lissonotinae*, colectate în perioada 19-27 iunie 1995 din următoarele locuri: culmea Pricopanului, culmea Grecilor și rezervația naturală "Valea Fagilor", satul Luncavița. Speciile *Diadromus pulchellus* WESM. și *Phaeogenes subulifer* WESM. sunt noi pentru fauna României. Următoarele 5 specii sunt rare pentru fauna României și a Europei: *Coelichneumon consimilis* (WESM.), *Rictichneumon albanicus* (HABERM.), *Ctenichneumon messorius* (GRAV.), *Lissonota pleuralis* Brisch. și *Syzeuctus schmiedeknechti* BRAUNS. 7 specii sunt noi pentru fauna Dobrogei.

**Keywords:** Ichneumonidae, Măcin Mountains, Dobrogea.

The present paper is the first contribution to the knowledge of ichneumonid fauna of Măcin Mountains, Tulcea County. The authors present 12 species of ichneumonids belonging to the subfamilies: *Ichneumoninae*, *Phaeogeninae*, *Pimplinae* and *Lissonotinae*, collected during June 19-27, 1995 period from the following places: Pricopan peak, Greeks peak and "Valea Fagilor" natural reservation, Luncavița village. Two species are new for the fauna of Romania: *Diadromus pulchellus* WESM. and *Phaeogenes subulifer* WESM. The following five species are rare for the fauna of Romania and the fauna of Europe too: *Coelichneumon consimilis* (WESM.), *Rictichneumon albanicus* (HABERM.), *Ctenichneumon messorius* (GRAV.), *Lissonota pleuralis* Brisch. and *Syzeuctus schmiedeknechti* BRAUNS. Seven species are new for the fauna of Dobrogea.

Family Ichneumonidae LATREILLE 1802  
Subfamily Ichneumoninae ASHMEAD  
1900

I Genus *Hoplismenus* GRAVENHORST  
1829

1. *Hoplismenus bidentatus* (GMELIN  
1790),

*Ichneumon bidentatus* GMELIN 1790,  
Syst. Nat. (Linné), 13th ed., p. 2685.

*Ichneumon bispinatorius* THUNBERG  
1822, Mém. Acad. Sci. St. Petersb., t.  
VIII, p. 254.

*Hoplismenus bispinatorius* ROMAN 1912,  
Ichn. C. P. Thunbergs, Zool. Bidrag Up-  
sala, p. 229-293.

1, "Valea Fagilor" natural reservation,  
Luncavița village, June 24, 1995.

Hosts: *Lassiommata maera* L. and *Per-  
conia strigillaria* HB. (Lep., Satyridae)  
[CONSTANTINEANU, M., 1959]

Geographical distribution: almost all  
Europe, Russia (Caucasus, Siberia), Iran.  
In Romania is a common species, being  
previously recorded from Sălaj, Cluj, Bra-  
șov, Mehedinți, Gorj, Iași and Vaslui  
counties. [CONSTANTINEANU, M., 1959;  
CONSTANTINEANU, M. et al., 1973,  
1975].

New species for Dobrudja.

II Genus *Coelichneumon* THOMSON 1893

2. *Coelichneumon consimilis* (WESMAEL) 1844,

*Ichneumon consimilis* 1844 WESMAEL, Nouv. Mém. Acad. Sc. Brux., t. XVIII (Tent., p. 22)

*Coelichneumon consimilis* MORLEY 1903, Ichn. Brit., t. I, p. 31.

1, Pricopan peak, June 22, 1995

Host: *Cryphia muralis* FOERST. (Lep., Noctuidae). [THOMPSON, W. R., 1957]

Geographical distribution: France, Belgium, Germany, Austria, Switzerland, England, Hungary, Ukraine. In Romania is a rare species, being previously recorded from Retezat mountains, Saschiz, Mureş county, Săratului Valley, Cerdac village, Bacău county. [CONSTANTINEANU, M., 1959], Perişor wood, Dolj county [CONSTANTINEANU, M. et al., 1979].

New species for Dobrudja.

III. Genus *Ichneumon* LINNAEUS 1735

3. *Ichneumon tempestivus* HOLMGREN 1864,

1, "Valea Fagilor" natural reservation, Luncaviţa village June 24, 1995

Host: unknown.

Geographical distribution: Sweden, England, Germany, France, Italy, Spain. In Romania is a common species, being previously recorded from Cluj, Braşov, Mureş, Gorj, Buzău, Suceava, Iaşi and Vaslui counties. [CONSTANTINEANU, M., 1959; CONSTANTINEANU, M. & TĂTAN, L., 1973; CONSTANTINEANU, M. & VOICU, M., 1977].

New species for Dobrudja.

IV. Genus *Stenobarichneumon* HEINRICH, 1961

4. *Stenobarichneumon basiglyptus* (KRIECHBAUMER) 1890,

*Ichneumon basiglyptus* KRIECHBAUMER 1890, Ent. Nachr., t. XVI, p. 294

*Barichneumon basiglyptus* MORLEY, C. 1903, Ichn. Brit., t. I, p. 91.

*Stenobarichneumon basiglyptus* TOWNES, H., 1965, A Catalog. Recl. Eastern. Palearctic. Ichn., Mem. Amer.

Ent. Inst., t. V, p. 438.

1, June 22, 1995, Pricopan peak.

Host: unknown.

Geographical distribution: Germany, France, England, Moldova Republic, Russia. In Romania is a common species being previously recorded from Arad, Hunedoara, Mureş, Buzău, Suceava, Botoşani, Iaşi, Bacău and Neamţ counties. [KISS, A., 1922-1924; CONSTANTINEANU, M. et al., 1973, 1977] New species for Dobrudja.

V. Genus *Rictichneumon* HEINRICH 1961

5. *Rictichneumon albanicus* (HABERMEHL) 1926,

*Barichneumon albanicus* HABERMEHL 1926, Deutsch. Ent. Zeit., p. 322

*Rictichneumon albanicus* RASNITZYN 1981, in Opr. nasek. evrop. ciasti SSSR, t. III Perep., Tretia Ciasti, Zool. Inst. A. N. SSSR, vyp. 129, izd. "Nauka", p. 587

1, June 24, 1995, "Valea Fagilor" natural reservation, Luncaviţa village.

Host: unknown

Geographical distribution: Albania, Bulgaria, Russia (Caucasus). In Romania is a rare species, being previously recorded from Jurilovca, Tulcea county. [HEINRICH, G., 1926] and Agigea, Constanţa county [CONSTANTINEANU, M., PISICĂ, C., 1959].

VI. Genus *Ctenichneumon* THOMSON 1894

6. *Ctenichneumon messorius* (GRAVENHORST) 1820,

*Amblyteles messorius* WESMAEL 1844, Nouv. Mém. acad. Sc. Brux., t. XVIII, (Tent., Ann. Soc. Ent. France, t. LXIV, p. 586).

1, June 21, 1995, Greeks peak.

Host: unknown

Geographical distribution: almost all Europe, Russia (Ekaterinaburg). In Romania is a rare species, being previously recorded from Bihor mountains (Codrul Mare), Bihor county, Saschiz, Mureş county and Păun, Bârnova commune, Iaşi county. [CONSTANTINEANU, M., 1959] New species for Dobrudja.

Subfamily *Phaeogeninae* DALLA TORRE  
1902

VII. Genus *Diadromus* WESMAEL 1844

7. *Diadromus pulchellus* WESMAEL 1844,  
1, June 24, 1995, "Valea Fagilor" natural  
reservation, Luncavița village.

Female

Head little narrowed behind eyes. Frons  
densely and finely punctate. Face and cly-  
peus distinct separated. Face is trans-  
versely. Antennae are little longer as head  
and thorax. They are filiform and slender.  
Scape is prolonged. Mesonotum and scu-  
tellum are conspicuously taller than propo-  
deum. Area superomedia is a little longer  
as wide. Petiolar area is weakly separated  
from areae posterointermediae. Legs  
strong. Hind coxae are polished on ven-  
tral side, weakly punctate, with a small  
tubercle on inner side. Areola pentagonal.  
Abdomen is approximately narrow. Post-  
petiole is fine longitudinally striate. Thy-  
ridii are wide, little deep, with small dis-  
tance between them. End of abdomen is  
slightly sharp, ovipositor is long as ter-  
gites 6-7 as.

Head black, palpi and mandibles reddish.  
Antennae reddish. Scape brownish. Fla-  
gellum segments 1-4 reddish, 5-6  
brownish, 7-10 whitish on dorsal side, the  
rest of segments of flagellum brownish.

Thorax black. Pterostigma reddish. The  
wing root whitish. Tegulae yellowish.  
Legs red, base of hind coxae blackish,  
hind half of inner of hind femorae and  
apex of hind tibiae blackish.

Tergite 1 black, tergites 2-4 reddish, 5-7  
black, with hind margin reddish. Sternite  
1 black, 2-4 reddish, end of abdomen  
brownish. Ovipositor black.

Body length: 6mm.

Host: unknown

Geographical distribution: Germany, Bel-  
gium, Sweden. [SCHMIEDEKNECHT, O.,  
1902-1904].

New species for Romanian fauna.

VIII. Genus *Phaeogenes* WESMAEL 1844

8. *Phaeogenes subulifer* WESMAEL 1844,  
1, June 22, 1995, Pricopan peak.

Female.

Head densely punctate, not narrowed be-  
hind eyes. Lower half of mandibles ru-  
gose. Lower apical margin of genae, un-  
der base of mandibles, is widened as an  
ear. Clypeus polished, distinct weak from  
the face by clipeal groove. Antennae fili-  
form, only a little widened preapically.

Thorax almost uniform tall. Mesonotum  
punctate, with distinct notauli only at an-  
terior part. Mesopleuri polished, punc-  
tate. Scutellum flat, punctate. Propodeum  
is completely carinate, punctate and ru-  
gose. Area superomedia longer than  
wide. Petiolar area evidently separated  
from areae posterointermediae, weakly  
longitudinally excavated. Nervulus inter-  
stitial. Nervellus intercepted below the  
middle. Hind coxa with distinct and sharp  
tooth on ventral side. Postpetiole smooth  
and polished. Second tergite is a little  
shorter than wide posteriorly. Tergite 3  
transversal. Ovipositor projecting beyond  
apex of abdomen.

Body black. Head black, mandibles and  
palpi reddish. Antennae reddish with  
brownish apex. Pterostigma and tegula  
brown. Legs red. 3/4 of dorsal side of  
hind femorae (beginning with base) and  
apex of hind coxae black. Abdomen  
black, tergites 1-4 red.

Body length: 9 mm.

Host: unknown.

Geographical distribution: Sweden, Rus-  
sia (Iaroslav). [ATANASOV, A. Z. et al.,  
1981].

New species for the Romanian fauna.

Subfamily *Pimplinae* CRESSON 1887  
(partim)

IX. Genus *Teleutea* FOERSTER 1868

9. *Teleutea striata* (GRAVENHORST)  
1829,

2, June 22, 1995, Pricopan peak.

Hosts: *Brenthis daphne* SCHIFF. (*Lep.*,  
*Nymphalidae*), *Adoxophyes orana* F. R.,  
*Pandemis heparana* DEN. et SCHIFF. and  
*Tortrix reticulana* HB. (*Lep.*, *Tortricidae*)  
[ATANASOV, A. Z. et al., 1981; PISICĂ,  
C. & TURCANU, V., 1977]

Geographical distribution: Poland, Russia (St. Petersburg), Japonia. In Romania is a common species, being previously recorded from Suceava, Cluj, Mureş, Mehedinţi, Iaşi and Vaslui counties. [CONSTANTINEANU, M. & PĂTRĂŞCANU, E., 1966; PISICĂ, C. & ȚURCANU, V., 1977; TĂTAN, L., 1972]

New species for Dobrudja.

X. Genus *Conoblasta* FOERSTER 1868

10. *Conoblasta caudata* (THOMSON) 1889,

1, June 22, 1955, "Valea Fagilor" natural reservation, Luncaviţa village.

Host: unknown.

Geographical distribution: Sweden, Hungary, Mongolia. In Romania is a common species, being previously recorded from Maramureş, Sibiu, Braşov, Harghita, Neamţ, Suceava, Iaşi and Vaslui counties. [CONSTANTINEANU, M. & PISICĂ, C., 1977; PISICĂ, C., 1979]

New species for Dobrudja.

Subfamily Lissonotinae DALLA TORRE  
1901

XI Genus *Lissonota* GRAVENHORST 1829

11. *Lissonota pleuralis* BRISCHKE 1882,  
2, June 22, 1995, Greeks peak and 6, Pricopan paek.

Host: *Tephritis* sp. (Dipt., Tephritidae) which is developing in *Lappa* sp. flowers, in sandy places. [SCHMIEDEKNECHT, O., 1933-1935].

Geographical distribution: Germany, Sweden, China. In Romania is a rare species, being previously recorded from Babadag, Tulcea county and Agigea, Constanţa county. [CONSTANTINEANU, M. et al., 1958 a]

XII. Genus *Syzeuctus* FOERSTER 1868

12. *Syzeuctus schmiedeknechti* BRAUNS 1901,

1, June 22, 1995, Pricopan paek.

Host: unknown.

Geographical distribution: Switzerland. In Romania is a rare species, being previously recorded only from Babadag and Periprava, Tulcea county. [CONSTANTINEANU, M. et al., 1958 b;

CONSTANTINEANU, M. & CONSTANTINEANU, R., 1968].

### Conclusions

1. In this paper the authors present 12 species, belonging to 12 genera from subfamilies *Ichneumoninae*, *Phaeogeninae*, *Pimplinae* and *Lissonotinae*;
2. The species *Diadromus pulchellus* WESM. and *Phaeogenes subulifer* WESM. are new for the Romanian fauna;
3. The following five species are rare for the Romanian fauna and for Europe too: *Coelichneumon consimilis* (WESM.), *Rictichneumon albanicus* (HABERM.), *Ctenichneumon messorius* (GRAV.), *Lissonota pleuralis* Brisch. and *Syzeuctus schmiedeknechti* BRAUNS;
4. The following seven species are new for the fauna of Dobroudja: *Hoplismenus bidentatus* (GMEL.), *Coelichneumon consimilis* (WESM.), *Ichneumon tempestivus* Holmgr., *Stenobarichneumon basiglyptus* (Kriechb.), *Ctenichneumon messorius* (GRAV.), *Teleutea striata* (GRAV.) and *Conoblasta caudata* (THOMS.).

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