

A Catalogue of Platygastriidae (Hymenoptera, Platygastroidea) from Romania

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Abstract

The Roumanian platygastriids faunas are reviewed and checklists provided. Data are provided on 58 species.

Keywords: Platygastriidae, parasitoid wasps, Romania

Introduction:

The Hymenopteran family Platygastriidae is a group of parasitoid wasps, mostly very small (0.8 – 2 mm), black and shining. The wings most often lack venation, though they may have slight fringes of setae.

The study of the superfamily Platygastroidea began in 1781 with Schrank's description of *Cynips phragmitis*, later transferred by CURTIS (1830) in genus *Platygaster* Latreille.

In Romania, the first species of platygastriids were described by Kieffer: *Prosinostemma nigerrimum* (1914); *Leptacis fimbriata* (1917) and *Synopeas tripartita* (1917). The Romanian counties and regions are provided in fig. 1.

Among the Romanian researchers, K. FABRITIUS initiated and carried out important research on this group, establishing the bases of the Proctotrupoidea (sensu lato) studies in Romania.

In this paper we present all species of Platygastriidae family cited from Romania since 1914 to 2007.

Results

1. *Metaclisis montagnei* Maneval, 1936

Metaclisis montagnei Maneval, H. 1936. Nouveau genre et nouvelles especes de Platygastriinae (Hym.) de la fauna franco-belge. Bulletin et Annales de la Societe Entomologique de Belge 76: 45-58

Material: 1♀ 9.07.1957 Biserica Muscel (Argeş) (leg. I. ANDRIESCU).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

2. *Metaclisis phragmitis* Debauche, 1947

Metaclisis phragmitis Debauche, H. R. 1947. Scelionidae de la faune belge (Hymenoptera Parasitica). Bull. Ann. Soc. Entomol. Belg. 83: 255-285.

Material: 4♀ 22.04.2006 Botanical Garden (Iaşi) (leg. O. Popovici); 4♀ 25.05.2004 Bârsei Valley (Braşov) (leg. I. POPESCU).

Reference: POPOVICI, 2005; POPOVICI & POPESCU, 2006; POPOVICI, 2007.

3. *Prosinostemma nigerrimum* Kieffer, 1914

Prosinostemma nigerrimum Kieffer, J. J. 1914. Proctotrypidae (3e partie). Pages 305-448 in ANDRÉ, E. Species des Hyménoptères d'Europe et d'Algérie. Vol. 11. none specified.

Material: ?♀ without collecting data and locality (leg. JACQUET).

Reference: KIEFFER, 1914.

4. *Inostemma hyperici* Debauche, 1947

Inostemma hyperici Debauche, H. R. 1947. Scelionidae de la faune belge (Hymenoptera Parasitica). Bulletin et Annales de la Societe Entomologique de Belge 83: 255-285.

Material: 2♀ 12.04.1964 Agigea (Constanţa) (leg. K. FABRITIUS).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

5. *Inostemma quinquearticulatum* Szelényi, G. 1938

Inostemma quinquearticulatum Szelényi, G. 1938. Uber palaarktische Scelioniden (Hym., Proct.). 31: 108-128.

Material: 2♀ 2.06.1957 Pângăraţi (Neamţ) (leg. I. ANDRIESCU); 5♀ 4.06.1957 Pângăraţi (Neamţ) (leg. I. ANDRIESCU); 2♀ 7.06.1957 Pângăraţi (Neamţ) (leg. I. ANDRIESCU); 1♀ 31.05.1957 Stejaru (Neamţ) (leg. I. ANDRIESCU); 1♀ 13.06.1957 Suhardul Mic (Neamţ) (leg. I. ANDRIESCU); 1♀ 6.06.1956 Bucium (Iaşi) (leg. I. ANDRIESCU); 1♀ 15.05.1956 Iaşi (leg. E. PĂTRĂŞCANU); 2♀ 22.05.1957 Iaşi (leg. E. PĂTRĂŞCANU); 6♀ 2.05.1960 Valea lui David (Iaşi) (leg. C. PISICĂ).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

6. *Inostemma szabopatyai* Szelenyi, 1938



Fig.1. The counties of Romania

Inostemma szabopatayi Szelenyi, G. 1938. Über palaarktische Scelioniden (Hym., Proct.). Ann. Mus. Nat. Hung. (Zool.) 31: 108-128.

Material: 1♀ 29.07.1956 Ciric (Iași) (leg. I. ANDRIESCU); 5♀ 13.01.2005 Valea lui David (Iași) (leg. O. POPOVICI & L. FUSU).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973; POPOVICI, 2007.

7. *Inostemma contariniae* Szelenyi, 1937

Inostemma contariniae Szelenyi, G. 1938. Über palaarktische Scelioniden (Hym., Proct.). 31: 108-128.

Material: 1♀ 21.06.1957 Pângărați (Neamț) (leg. I. ANDRIESCU); 2♀ 6.07.1957 Lacul Roșu (Harghita) (leg. I. ANDRIESCU); 1♀ 21.05.1957 Iași (leg. I. ANDRIESCU); 1♀ 3.09.1956 Ciric (Iași) (leg. I. ANDRIESCU); 1♀ 1.07.1957 Ciric (Iași) (leg. I. ANDRIESCU); 1♀ 3.11.1957 Ciric (Iași) (leg. I. ANDRIESCU); 1♀ 12.07.1956 Valea lui David (Iași) (leg. I. ANDRIESCU); 1♀ 29.06.1957 Valea lui David (Iași) (leg. I. ANDRIESCU); 1♀ 27.05.1966 Babadag (Tulcea) (leg. K. FABRITIUS); 1♀ 30.05.1963 Comorova (Constanța) (leg. I. ANDRIESCU).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

8. *Inostemma boscii* Jurine, 1807

Psilus boscii Jurine, L. 1807. Nouvelle méthode de classer les Hyménoptères et les Diptères. Paschoud, Geneva. 319 pp.

Inostemma boscii Walker, F. 1836. On the species of Platygaster, &c. Entomological Magazine 3: 217-274.

Material: 1♀ 6.07.1956 Lacul Roșu (Harghita) (leg. I. ANDRIESCU); 1♀ 10.07.1957 Slănic (Bacău) (leg. I. ANDRIESCU); 1♀ 19.06.1957 Suhard (Neamț) (leg. I. ANDRIESCU); 1♀ 8.07.1957 Bicz Chei (Neamț) (leg. K. FABRITIUS); 1♀ 28.06.1961 Pângărați (Neamț) (leg. I. ANDRIESCU); 1♂ 14.08.1963 Victoria (Oradea) (leg. C. NAGY); 6♀ 14.08.1961 Victoria (Oradea) (leg. C. NAGY).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

9. *Inostemma piricola* Kieffer, 1906

Inostemma piricola Kieffer, J. J. 1906. Description de nouveaux Hyménoptères. Annales de la Société Scientifique de Bruxelles 30: 113-178.

Material: 1♀ 14.05.1956 Iași (leg. I. ANDRIESCU); 1♀ 26.05.1956 Iași (leg. I. ANDRIESCU).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

10. *Inostemma reticulatum* Szelenyi, 1937

Inostemma reticulatum Szelenyi, G. 1938. Über palaarktische Scelioniden (Hym., Proct.). 31: 108-128.

Material: 1♀ 20.07.1966 Gâtul Berbecului (Sibiu) (leg. K. FABRITIUS); 1♀ 22.05.1957 Iași (leg. E. PĂTRĂȘCANU); 1♀ 23.05.1958 Iași (leg. I. ANDRIESCU); 2♀ 20.06.1966 Ieșelnița (Mehedinți) (leg. ?).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

11. *Inostemma mediterraneum* (Kieffer, 1916)

Brachinostemma mediterranea Kieffer, J. J. 1916. Beitrag zur Kenntnis der Platygasterinae und ihrer Lebensweise. Centralbl. Bakteriol. Parasitenk. Infektionskr. (2)46: 547-592.

Inostemma mediterraneum Masner, L. 1964. A comparison of some Nearctic and Palearctic genera of Proctotrupeoidea (Hymenoptera) with revisional notes. Cas. Csl. Spol. Entomol. 61: 123-155.

Material: 1♀ 15.06.1957 Suhard (Neamț) (leg. I. ANDRIESCU); 1♀ 12.06.1968 Ada – Kaleh (Mehedinți) (leg. ?) 1♀ 28.04.2004 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973; TEODORESCU & FABRITIUS, 1975; POPOVICI, 2007.

12. *Inostemma curtum* Szelenyi, 1938

Inostemma curtum Szelenyi, G. 1938. Über palaarktische Scelioniden (Hym., Proct.). Ann. Mus. Nat. Hung. (Zool.) 31: 108-128.

Inostemma biconcavum Tomsik, B. 1950. Ceskoslovensti Inostemmini - cizopasnici u bejlomerek. Czeckoslovak Inostemmini - the parasites of Cecidomyiidae. Entomol. Listy 13: 49-64. (synonymized by KOZLOV, 1978)

Material: 1♀ 21.08.2002 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2004; POPOVICI, 2007.

13. *Inostemma opacum* Thomson, 1859

Inostemma opacum Thomson, C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygastri. Ofversigt af Kongliga Ventenskaps-Akadamiens Ferhandlingar 16: 69-87.

Material: 1♀ 24.08.2002 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2004; POPOVICI, 2007.

14. *Inostemma romaniae* Fabritius & Grellmann, 1971

Inostemma romaniae Fabritius & Grellmann, 1971.

Contribuții la studiul inosteminelor din România. (Hymenoptera, Platygasteridae, Inostemminae). Lucrări Științifice. Științe naturale II, Institutul pedagogic de 3 ani, Constanța. 5 –14.

Material: 1♀ 30.07.1966 Cisnădioara (Sibiu) (leg. K. FABRITIUS).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

15. *Inostemma walkeri* Kieffer, 1914

Inostemma walkeri Kieffer, J. J. 1914. Proctotrypidae (3e partie). Pages 305-448 in Andre, E. Species des Hymenopteres d'Europe et d'Algerie. Vol. 11. none specified. pp.

Material: 1♀ 24.08.2002 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

16. *Inostemma mennipus* Walker, 1836

Inostemma mennipus Walker, F. 1836. On the species of Platygaster, &c. Entomol. Mag. 3: 217-274.

Material: 1♀ 24.08.2002 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

17. *Inostemma discessus* (Szelenyi, 1939)

Inocerota discessus Szelenyi, G. 1939. Neue palaarktische Scelionidae (Hym. Proct.). Ann. Hist.-Nat. Mus. Nat. Hung. 32: 121-127.

Material: 1♀ 31.05.1951 Stejaru (Neamț) (leg. I. ANDRIESCU); 4♀ 22.05.1957 Iași (leg. E. PĂTRĂȘCANU); 1♀ 25.09.1964 Oradea (leg. C. NAGY) 2♀ 7.06.2002 Bucecea (Botoșani) (leg. O. POPOVICI).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973; POPOVICI, 2007.

18. *Isostasius punctiger* (Nees von Esenbeck, 1834)

Platygaster punctiger Nees von Esenbeck, C. G. 1834. Hymenopterorum ichneumonibus affinium monographiae, genera europaea et species illustrantes. J. G. Cotta, Stuttgart. 448 pp.

Inostemma scrutator Walker, F. 1836. On the species of Platygaster, &c. Entomol. Mag. 3: 217-274.

Isostasius punctiger Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Proctotrupii. Ernst ter Meer, Aachen. 152 pp.

Material: 2♀ 8.07.1956 Bicaz Chei (Neamț) (leg. I. ANDRIESCU); 1♀ 6.07.1956 Lacul Roșu (Neamț) (leg. I. ANDRIESCU); 4♀ 19.06.1957 Suhard (Neamț) (leg. I. ANDRIESCU); 3♀ 5.07.1957 Suhard (Neamț) (leg. I. ANDRIESCU); 1♀ 23.07.1967 Sovata (Mureș) (leg. K. FABRITIUS); 1♀ 27.06.1957 Iași (leg. I. ANDRIESCU). 2♀

16.07.2002 Găvan (Botoșani) (leg. O. POPOVICI).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973; POPOVICI, 2007.

19. *Isostasius inserens* (Kirby, 1800)

Ichneumon inserens Kirby, W. 1800. A continuation of the history of *Tipula Tritici*. Trans. Linn. Soc. 5: 96-111.

Platygaster inserens Curtis, J. 1860. Farm insects; being the natural history and economy of the insects injurious to the field crops of Great Britain and Ireland, and also those which infest barns and granaries. With suggestions for their destruction. Blackie and Son, London. 528 pp.

Inostemma inserens Fitch, A. 1865. Sixth, seventh, eighth and ninth reports on the noxious, beneficial and other insects of the state of New York. Van Benthuysen's Steam Printing House, New York. 209 pp.

Isostasius inserens Marshall, T. A. 1873. A catalogue of British Hymenoptera; Oxyura. Entomological Society of London, London. 27 pp.

Material: 1♂ 16.07.2002 Găvan (Botoșani) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

20. *Isostasius andriescui* Fabritius & Grellmann, 1971

Isostasius andriescui Fabritius & Grellmann, 1971. Contribuții la studiul inosteminelor din România. (Hymenoptera, Platygasteridae, Inostemminae). Lucrări Științifice. Științe naturale II, Institutul pedagogic de 3 ani, Constanța. 5-14.

Material: 1♀ 1.07.1957 Ciric (Iași) (leg. I. ANDRIESCU); 1♀ 9.07.1956 Bicz Chei (Neamț) (leg. I. ANDRIESCU).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973.

21. *Platystasius buhli* Popovici, 2007

Platystasius buhli Popovici, O. 2007. Biodiversitatea familiilor scelionide și platigastride (Hymenoptera: Scelionidae, Platygasteridae) din estul României. Teză de Doctorat. Iași.

Material: 1♀ 1.07.1997 Botanical Garden (Iași) (leg. I. MOGLAN).

Reference: POPOVICI, 2007.

22. *Acerotella humilis* (Kieffer, 1913)

Acerota humilis Kieffer, J. J. 1913. Description de nouveaux microhymenopteres. Broteria 11: 169-198.

Inostemma humile Kieffer, J. J. 1914. Proctotrypiidae (3e partie). Pages 305-448 in Andre, E. Species

des Hymenopteres d'Europe et d'Algerie. Vol. 11. none specified. pp.

Acerotella humilis Masner, L. 1964. A comparison of some Nearctic and Palearctic genera of Proctotrupeoidea (Hymenoptera) with revisional notes. Cas. Csl. Spol. Entomol. 61: 123-155.

Material: 1♀ 21.06.2005 Gârboavele (Galați) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

23. *Acerotella hungarica* (Szelenyi, 1938)

Acerota hungarica Szelenyi, G. 1938. Über eine verkannte Gattung der Platygasteriden, nebst Beschreibung 2 neuer Arten aus der Familie der Scelioniden (Hym. Proctotr.). Folia Entomol. Hung. 3: 100-106.

Acerotella hungarica Masner, L. 1964. A comparison of some Nearctic and Palearctic genera of Proctotrupeoidea (Hymenoptera) with revisional notes. Cas. Csl. Spol. Entomol. 61: 123-155.

Material: 1♀ 9.06.2004 Leorda (Botoșani) (leg. O. POPOVICI); 1♂ 1.05.2004 Leorda (Botoșani) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

24. *Allotropia mecrida* (Walker, 1835)

Inostemma mecrida Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Allotropia mecrida Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Prototrupii. Ernst ter Meer, Aachen. 152 pp.

Material: 1♂ 20.06.1956 Iași (leg. I. ANDRIESCU); 2♀ 3.07.2003 Leorda (Botoșani) (leg. O. POPOVICI).

Reference: FABRITIUS & GRELLMANN, 1971; FABRITIUS, 1973; POPOVICI, 2007.

25. *Allotropia conventus* Maneval, 1936

Allotropia conventus Maneval, H. 1936. Nouvelle especes du genre *Allotropia* Foerst. (Hym. Platygasterinae). Bull. Soc. Entomol. France 41: 195-199.

Material: 1♀ and 1♂ 30.08.2004 Bucecea (Botoșani) (leg. O. POPOVICI); 1♀ 11.08.2004 Ceahlău (Neamț) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

26. *Pseudaphanomerus hyalinatus* Szelenyi, 1941

Pseudaphanomerus hyalinatus Szelenyi, G. 1941. Neue Gattungen und Arten der palaearktischen Scelioniden (Hym., Proctotrupeoidea). Zool. Anz. 134: 158-168.

Material: 1♂ 16.07.2002 Bucecea (Botoșani) (leg. O. POPOVICI).

Reference: Popovici, 2004; POPOVICI, 2007.

27. *Pseudaphanomerus lucianii* Popovici, 2007
Pseudaphanomerus lucianii Popovici, O. 2007. Biodiversitatea familiilor scelionide și platygastride (Hymenoptera: Scelionidae, Platygastriidae) din estul României. Teză de Doctorat. Iasi.

Material: 1♀ 21.07.2001 Bucium (Iași) (leg. I. POPESCU).

Reference: POPOVICI, 2007.

28. *Fidiobia pronotata* Szabo, 1958

Fidiobia pronotata Szabo, J. B. 1958. Ergänzende Beobachtungen über die holarktische Gattung *Fidiobia* Ashmead 1894. Folia Entomol. Hung. 11: 457-464.

Material: 1♀ 17.09.2003 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

29. *Fidiobia rugosifrons* Crawford, 1916

Fidiobia rugosifrons Crawford, J. C. 1916. Some new American Hymenoptera. Insecutor Inscitiae Menstruus 4: 135-144.

Fidiobia tatrae Szelenyi, G. 1941. Neue Gattungen und Arten der palaearktischen Scelioniden (Hym., Proctotrupoidea). Zool. Anz. 134: 158-168. (synonymized by SZABO, 1958)

Rosneta phryne Debauche, H. R. 1947. Scelionidae de la faune belge (Hymenoptera Parasitica). Bull. Ann. Soc. Entomol. Belg. 83: 255-285. (synonymized by JANSSON 1956)

Material: 1♀ 14.08.1960 Brădet (M-ții Cibinului) (Sibiu) (leg. K. FABRITIUS); 1♀ 21.06.2005 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: FABRITIUS, 1973; FABRITIUS, 1974; POPOVICI, 2007.

30. *Isolia dobrogica* Popovici & Buhl, 2006

Isolia dobrogica Popovici O. & Buhl P.N., 2006. A new species of *Isolia* from Romania (Hymenoptera, Platygastroidea), Entomofauna, Zeitschrift für Entomologie, band 27, heft 33: 405 – 408, Munchen, Germany.

Material: 1♂ 23.07.04 Sulucu Mare (Munții Măcin) (Tulcea) (leg. M. MITROIU).

Reference: POPOVICI & BUHL 2006; POPOVICI, 2007.

31. *Synopeas (Sactogaster) tarsa* (Walker, 1836)

Platygaster tarsa Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Synopeas tarsa Marshall, T. A. 1873. A catalogue of British Hymenoptera; Oxyura. Entomological Society of London, London. 27 pp.

Sactogaster tarsa Kieffer, J. J. 1914. Proctotrypidae (3e partie). Pages 305-448 in : ANDRE E. Species des

Hymenopteres d'Europe et d'Algerie. Vol. 11. none specified. pp.

Synopeas (Sactogaster) tarsa Kozlov, M. A. 1978. [Superfamily Proctotrupoidea]. Pages 538-664 in : MEDVEDEV G. S. [Determination of insects of the European portion of the USSR.] Vol. 3, part 2. Nauka, Leningrad. 758 pp.

Material: 1♀ 2.06.1957 Pângărați (Neamț) (leg. I. ANDRIESCU); 1♀ 16.08.1957 Cluj (leg. I. ANDRIESCU); 2♀ 29.06.1957 Valea lui David (Iași) (leg. I. ANDRIESCU); 1♀ 1.07.1957 Cîrîc (Iași) (leg. I. ANDRIESCU); 2♀ 26.06.1960 Iași (leg. ANDRIESCU); 3♀ 4.05.2004 Bârnova (Iași) (leg. O. POPOVICI); 2♀ 30.05.2005 Botanical Garden (Iași) (leg. O. POPOVICI); 3♀ 25.05.2004 Bârsei Valley (Brașov) (leg. I. POPESCU).

Reference: FABRITIUS, 1972; FABRITIUS, 1973; POPOVICI & POPESCU, 2006; POPOVICI, 2007.

32. *Synopeas (Sactogaster) curvicauda* (Forster, 1856)

Sactogaster curvicauda Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Proctotrupii. Ernst ter Meer, Aachen. 152 pp.

Sactogaster pisi Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Proctotrupii. Ernst ter Meer, Aachen. 152 pp. (synonymized by BUHL, 1997)

Synopeas (Sactogaster) longicauda Thomson, C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygastriini. Ofversigt af Kongliga Ventenskaps-Akademiens Ferhandlingar 16: 69-87. (synonymized by BUHL, 1997)

Material: 1♀ 7.06.1957 Pângărați (Neamț) (leg. I. ANDRIESCU); 1♀ 6.06.1956 Bucium (Iași) (leg. I. ANDRIESCU); 1♀ 28.06.1999 Ceahlău (Neamț) (leg. I. POPESCU).

Reference: FABRITIUS, 1972; FABRITIUS, 1973; POPOVICI, 2007.

33. *Synopeas (Sactogaster) ventralis* (Westwood, 1833)

Epimeces ventralis Westwood, J. O. 1833. Further notices of the British parasitic hymenopterous insects; together with the «Transactions of a fly with a long tail,» observed by Mr. E. W. Lewis; and additional observations. Mag. Nat. Hist. 6: 414-421.

Platygaster ventralis Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Sactogaster ventralis Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Proctotrupii. Ernst ter Meer, Aachen. 152 pp.

Material: 2♀ 2.06.1957 Pângărați (Neamț) (leg. I. ANDRIESCU); 1♀ 3.06.1957 Pângărați (Neamț) (leg. I. ANDRIESCU); 1♀ 7.06.1957 Pângărați (Neamț)

(leg. I. ANDRIESCU); 1♀ 18.06.1956 Ciric (Iași) (leg. I. ANDRIESCU); 1♀ 6.06.1956 Bucium (Iași) (leg. I. ANDRIESCU); 3♀ 6.05.1963 Agigea (Constanța) (leg. I. ANDRIESCU); 1♀ 16.05.1964 Agigea (Constanța) (leg. I. ANDRIESCU); 3♀ 4.05.2004 Bârnova (Iași) (leg. O. POPOVICI).

Reference: FABRITIUS, 1972; FABRITIUS, 1973; POPOVICI, 2007.

34. *Synopeas (Sactogaster) tripartita* Kieffer, 1917

Sactogaster tripartita Kieffer, J. J. 1917. Über neue und bekannte Microhymenopteren. Entomologische Mitteilungen 11: 341-355.

Material: without collecting data, Romania (leg. JACQUET).

Reference: KIEFFER, 1917; KIEFFER, 1926.

35. *Synopeas (Sactogaster) subaequalis* (Forster, 1856)

Sactogaster subaequalis Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Prototruperii. Ernst ter Meer, Aachen. 152 pp.

Synopeas (Sactogaster) subaequalis Buhl, P. N. 1997. Revision of some types of Platygasterinae described by A. FORSTER (Hymenoptera, Platygasteridae). Z. Arb. Oest. Entomol. 49(1-2): 21-28.

Material: 1♀ 28.06.1999 Ceahlău (Neamț) (leg. I. POPESCU).

Reference: POPOVICI, 2004; POPOVICI, 2007.

36. *Synopeas (Ectadius) craterus* (Walker, 1836)

Platygaster craterus Walker, F. 1836. On the species of Platygaster, &c. Entomol. Mag. 3: 217-274.

Ectadius craterus Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Prototruperii. Ernst ter Meer, Aachen. 152 pp.

Synopeas (Polymecus) craterus Thomson, C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygasterini. Ofversigt af Kongliga Ventenskaps-Akademiens Handlingar 16: 69-87.

Polymecus craterus Marshall, T. A. 1873. A catalogue of British Hymenoptera; Oxyura. Entomological Society of London, London. 27 pp.

Ectadius craterus Kieffer, J. J. 1914. Proctotrypidae (3e partie). Pages 305-448 in Andre, E. Species des Hymenopteres d'Europe et d'Algerie. Vol. 11. none specified. pp.

Ectadius mamertes Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp. (synonymized by VLUG, 1985)

Material: 2♀ 24.07.2004 Rarău (Suceava) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

37. *Synopeas (Synopeas) hyllus* (Walker, 1836)

Platygaster hyllus Walker, F. 1836. On the species of Platygaster, &c. Entomol. Mag. 3: 217-274.

Synopeas figitiformis Thomson, C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygasterini. Ofversigt af Kongliga Ventenskaps-Akademiens Handlingar 16: 69-87. (synonymized by BUHL, 1998)

Misocyclops hyllus Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Material: 4♀ 17.09.2003 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

38. *Synopeas (Synopeas) daucicola* Kieffer, 1916

Synopeas (Synopeas) daucicola Kieffer, J. J. 1916. Beitrag zur Kenntnis der Platygasterinae und ihrer Lebensweise. Centralbl. Bakteriol. Parasitenk. Infektionskr. (2)46: 547-592.

Material: 3♀ 20.09.2003 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

39. *Leptacis curvispinus* Kozlov, 1978

Leptacis curvispinus Kozlov, M. A. 1978. [Superfamily Proctotrupeoidea]. Pages 538-664 in: MEDVEDEV, G. S. [Determination of insects of the European portion of the USSR.] Vol. 3, part 2. Nauka, Leningrad. 758 pp.

Material: 1♀ 5.06. 2004 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2004; POPOVICI, 2007.

40. *Leptacis fimbriata* Kieffer, 1917

Leptacis fimbriata Kieffer, J. J. 1917. Über neue und bekannte Microhymenopteren. Entomologische Mitteilungen 11: 341-355.

Material: without collecting data, Romania (leg. JACQUET).

Reference: KIEFFER, 1917; KIEFFER, 1926.

41. *Amblyaspis tritici* (Walker, 1835)

Platygaster tritici Walker, F. 1836. On the species of Platygaster, &c. Entomol. Mag. 3: 217-274.

Amblyaspis tritici Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Prototruperii. Ernst ter Meer, Aachen. 152 pp.

Material: 1♀ 12.08.2002 Roma (Botoșani) (leg. O. POPOVICI); 1♀ 16.08.2002 "Garofița Pietrei Craiului" Chalet (Brașov) (leg. I. POPESCU).

Reference: POPOVICI, 2004; POPOVICI&POPESCU, 2006; POPOVICI, 2007.

42. *Piestopleura catilla* (Walker, 1836)

Platygaster catillus Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Piestopleura catillus Thomson, C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygastrini. Ofversigt af Kongliga Ventenskaps-Akadamiens Ferhandlingar 16: 69-87.

Piestopleura thomsoni Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp. (synonymized by KOZLOV, 1978)

Material: 1♂ 14.08.2003 Fälticeni (Suceava) (leg. O. POPOVICI); 1♀ 14.08.2003 Fälticeni (Suceava) (leg. O. POPOVICI); 1♀ 18.08.2003 Sătic (Braşov) (leg. I. POPESCU).

Reference: POPOVICI, 2004; POPOVICI & POPESCU, 2006; POPOVICI, 2007.

43. *Anopedias lacustris* Kieffer, 1926

Anopedias lacustris Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Material: 2♀ 10.09.2004 Leorda (Botoşani) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

44. *Trichacis remulus* (Walker, 1836)

Platygaster remulus Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Trichacis remulus Forster, A. 1856. Hymenopterologische Studien. II. Heft. Chalcidae und Prototruperii. Ernst ter Meer, Aachen. 152 pp.

Material: 1♀ 8.05.2002 Valea lui David (Iaşi) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

45. *Trichacis tristis* (Nees von Esenbeck, 1834)

Polygnotus tristis Nees von Esenbeck, C. G. 1834. Hymenopterorum ichneumonibus affinium monographiae, genera europaea et species illustrantes. J. G. Cotta, Stuttgart. 448 pp.

Material: without collecting data, Dăbuleni (Dolj) (leg. I. TEODORESCU).

Reference: TEODORESCU, 1991.

46. *Gastrotrypes spatulatus* Brues, 1922

Gastrotrypes spatulatus Brues, C. T. 1922. Some hymenopterous parasites of lignicolous Itonididae. Proc. Amer. Acad. Arts & Sci. 57: 263-289.

Material: 1♀ Botanical Garden (Iaşi); 26.07.2004 (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

47. *Platygaster depressiventris* Thomson, 1859

Platygaster (Epimeces) depressiventris Thomson,

C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygastrini. Ofversigt af Kongliga Ventenskaps-Akadamiens Ferhandlingar 16: 69-87.

Misocyclops depressiventris Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Paracyclops bettyae Maneval, H. 1936. Nouveau genre et nouvelles especes de Platygastrinae (Hym.) de la fauna franco-belge. Bull. Ann. Soc. Entomol. Belg. 76: 45-58. (synonymized by HUGGERT, 1974)

Urocyclops bettyae Maneval, H. 1936. Nouveau genre et nouvelles especes de Platygastrinae (Hym.) de la fauna franco-belge. Bull. Ann. Soc. Entomol. Belg. 76: 45-58. (synonymized by HUGGERT, 1974)

Urocyclops roosevelti Debauche, H. R. 1947. Scelionidae de la faune belge (Hymenoptera Parasitica). Bull. Ann. Soc. Entomol. Belg. 83: 255-285. (synonymized by HUGGERT, 1974)

Urocyclops humboldti Fabritius, K. and D. Grellmann. 1972. Specilie genului Sactogaster Foerster 1856 si *Urocyclops* Maneval 1939 din Romania (Platygasteridae, Hymenoptera). Lucrari Stiintifice - Zoologie, Constanta 1972: 53-60. (synonymized by HUGGERT, 1974)

Material: 2♀ 2.05.1957 Valea lui David (Iaşi) (leg. E. PĂTRĂŞCANU); 1♀ 12.07.2004 Ceahlău (Neamţ) (leg. O. POPOVICI); 1♀ 25.05.2004 Bârsei Valley (Braşov) (leg. I. POPESCU).

Reference: FABRITIUS, 1972; FABRITIUS, 1973; POPOVICI & POPESCU, 2006. POPOVICI, 2007.

48. *Platygaster eryngii* Kieffer, 1916

Platygaster eryngii Kieffer, J. J. 1916. Beitrag zur Kenntnis der Platygasterinae und ihrer Lebensweise. Centralbl. Bakteriol. Parasitenk. Infektionsskr. (2)46: 547-592.

Material: 20♀ 30.06.2003 Leorda (Botoşani) (leg. O. POPOVICI) ; 3♂ 30.06.2003 Leorda (Botoşani) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

49. *Platygaster (Prosactogaster) gibba* Szelenyi, 1938

Prosactogaster gibba Szelenyi, G. 1938. Über eine verkanni Gattung der Platygasteriden, nebst Beschreibung 2 neuer Arten aus der Familie der Scelioniden (Hym. Proctotr.). Folia Entomol. Hung. 3: 100-106.

Material: 1♀ 12.05. 2004 Bucium (Iaşi) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

50. *Platygaster gyge* Walker, 1836

Platygaster gyge Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Platygaster (Epimeces) longiventris Thomson, C. G. 1859. Sveriges Proctotruper. Tribus VIII. Platygastrini. Ofversigt af Kongliga Ventenskaps-Akademiens Ferhandlingar 16: 69-87. (synonymized by VLUG, 1985)

Prosactogaster gyge Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Material: 1♀ 1.05.2004 Leorda (Botoșani) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

51. *Platygaster pelias* Walker, 1836

Platygaster pelias Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Prosactogaster pelias Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Material: 13♀ 24.05.2003 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

52. *Platygaster romanica* Popovici & Buhl, 2005

Platygaster romanica Popovici, O. and P. N. Buhl. 2005. A new species of *Platygaster* Latreille, 1809 from Romania (Hymenoptera, Platygastridae). Entomol. Medd. 73: 51-53.

Material: 1♀ 15.09.2004 Potoci (Neamț) (leg. O. POPOVICI).

Reference: POPOVICI & BUHL 2005; POPOVICI, 2007.

53. *Platygaster chrysippus* Walker, 1836

Platygaster chrysippus Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Prosactogaster chrysippus Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Material: 3♀ 25.05.1999 Valea lui David (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2005; POPOVICI, 2007.

54. *Platygaster acrisius* Walker, 1836

Platygaster acrisius Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Prosactogaster acrisius Kieffer, J. J. 1926. Scelionidae. Das Tierreich. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.

Material: 2♀ 14.06.2004 Ceahlău (Neamț) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

55. *Platygaster (Prosactogaster) erdosi* Szelenyi, 1958

Prosactogaster erdosi Szelenyi, G. 1958. Über einige durch Zucht erhaltene Scelioniden und Bethyilden (Hymenoptera). (new series vol. 9) Ann. Hist.-Nat. Mus. Nat. Hung. 50: 261-270.

Material: 1♀ 27.05.2005 Valea lui David (Iași) (leg. L. FUSU).

Reference: POPOVICI, 2007.

56. *Platygaster (Prosactogaster) umbraculi* Kieffer, 1916

Prosactogaster umbraculi Kieffer, J. J. 1916. Beitrag zur Kenntnis der *Platygasterinae* und ihrer Lebensweise. Centralbl. Bakteriol. Parasitenk. Infektionskr. (2)46: 547-592.

Material: 3♀ 23.06.1966 Ieșelnița (Mehedinți) (leg. ?.)

Reference: TEODORESCU & FABRITIUS, 1975.

57. *Platygaster otanes* Walker, 1836

Platygaster otanes Walker, F. 1836. On the species of *Platygaster*, &c. Entomol. Mag. 3: 217-274.

Material: 1♀ 28.04.2005 Botanical Garden (Iași) (leg. O. POPOVICI).

Reference: POPOVICI, 2007.

58. *Platygaster transsylvanicus* (Szelenyi, 1958)

Misocyclops transsylvanicus Szelenyi, G. 1958. Über einige durch Zucht erhaltene Scelioniden und Bethyilden (Hymenoptera). (new series vol. 9) Annales Historico-Naturales Musei Nationalis Hungarici 50: 261-270.

Platygaster transsylvanicus Vlug, H. J. 1995. Catalogue of the Platygastridae (Platygastridae) of the world (Insecta: Hymenoptera). Hymenopterorum Catalogus No. 19. 168 pp.

Material: 17.08.1941 Sibiu (leg. ?).

Reference: SZELENYI, 1958.

REFERENCES

FABRITIUS K. 1974. *Sceliotrachelinae* Brues 1908 (Hymenoptera, Platygastridae) neu für die Fauna Rumaniens. Sonderdruck aus Travaux du Museum d'Histoire Naturelle "Grigore Antipa" Bd. 15.

FABRITIUS K., GRELLMANN D. 1971. Contribuții la studiul inosteminelor din România. (Hymenoptera, Platygastridae, Inostemminae). Lucrări Științifice. Științe naturale II, Institutul pedagogic de 3 ani, Constanța : 5-14.

FABRITIUS K., GRELLMANN D. 1972. Speciile genului *Sactogaster* Forster 1856 și *Urociclops* Maneval

- 1939 din România (*Platygastridae*, *Hymenoptera*). *Lucrări Științifice. Științe naturale II*, Institutul pedagogic de 3 ani, Constanța : 53 – 59.
- FABRITIUS K. 1973. Contribuții la studiul Proctotrupoidelor (*Hymenoptera*) din R. S. România. Teză de Doctorat. Iași.
- Kieffer J. J. 1914. Proctotrypidae (3e partie). pp: 305-448, In: ANDRÉ, E. *Species des Hyménoptères d'Europe et d'Algérie*. Vol. 11. none specified.
- KIEFFER J. J. 1917. Über neue und bekannte Microhymenopteren. *Entomologische Meddelelser* 11: 341-355.
- KIEFFER J. J. 1926. Scelionidae. *Das Tierreich*. Vol. 48. Walter de Gruyter & Co., Berlin. 885 pp.
- POPOVICI O. 2004. New species of *Platygastridae* (*Hymenoptera*, *Platygastroidea*, *Platygastridae*) to Romania' fauna. *Analele Științifice ale Universității «Al. I. Cuza» Iași*, s. Biologie animală, Tom L, pag. 107 -109.
- POPOVICI O. 2005. New species of *Platygastridae* (*Hymenoptera*, *Platygastroidea*, *Platygastridae*) for Romanian fauna (II) *Analele Științifice ale Universității «Al. I. Cuza» Iași*, s. Biologie animală, 50: 14 – 17.
- POPOVICI O. 2007. Biodiversitatea familiilor scelionide și platigastride (*Hymenoptera*: *Scelionidae*, *Platygastridae*) din estul României. Teză de Doctorat. Iasi.
- POPOVICI O. & BUHL P. N. 2005. A new species of *Platygaster* Latreille, 1809, from Romania (*Hymenoptera*, *Platygastroidea*), *Ent. Meddr.* 20: 51 – 54.
- POPOVICI O. & BUHL P. N. 2006. A new species of *Isoilia* from Romania (*Hymenoptera*, *Platygastroidea*), *Entomofauna, Zeitschrift fur Entomologie*, Band 27, Heft 33: 405 – 408.
- POPOVICI O. & POPESCU I. E. 2006. *Platygastrid and Scelionid Wasps (Hymenoptera, Platygastroidea: Platygastridae, Scelionidae)* of Piatra Craiului National Park (Romania). *Research in Piatra Craiului National Park*, 3: 144-149, Editura Universității “Transilvania”, Brașov.
- SZELÉNYI G. 1958. Über einige durch Zucht erhaltene Scelioniden und Bethyliden (*Hymenoptera*). (new series vol. 9) *Annales Historico-Naturales Musei Nationalis Hungarici* 50: 261-270.
- TEODORESCU I. 1991. Contribuții la cunoașterea entomofaunei dăunătoare și utile în culturile din zona Dăbuleni. *Studii și cercetări de biologie. Seria biologie animală*, tom 43(1): 23 – 27.
- TEODORESCU I. & FABRITIUS K. 1975. *Hymenoptera – Proctotrupoidea*. *Academia Republicii Socialiste România Grupul de cercetări complexe “Porțile de Fier” – Serie monografică Fauna* : 164 – 169.

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