

THE CATALOGUE OF THE COCCINELLIDAE (*INSECTA: COLEOPTERA*) OF THE OLTENIA MUSEUM, CRAIOVA (II)

CATALOGUL COCCINELLIDELOR (*INSECTA: COLEOPTERA*) DIN COLECȚIILE MUZEULUI OLTENIEI, CRAIOVA (II)

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Rezumat

Lucrarea prezintă partea a doua a catalogului coccinelidelor conservate în colecțiile Secției de Științele Naturii a Muzeului Olteniei din Craiova. În materialul studiat au fost identificate 17 specii, incluse în 15 genuri, 6 triburi, 3 subfamilii. Prima parte a catalogului colecției de coccinellidae a fost publicată anterior (SORINA OCTAVIA ANDRIEV & CORNELIA CHIMIȘLIU, 2003). Centralizând datele, rezultă că în colecțiile Secției de Științele Naturii a Muzeului Olteniei din Craiova, familia Coccinellidae este reprezentată prin 27 de specii (37% din totalul speciilor din fauna țării).

Key words: Coleoptera, Coccinellidae, Oltenia Museum, Craiova.

Cuvinte cheie: Coleoptera, Coccinellidae, Muzeul Olteniei, Craiova

INTRODUCTION

The entomologic collections preserved at the Oltenia Museum, Craiova – Department of Natural Sciences comprise over 55.000 insects. By these collections about 35,000 specimens were collected by our specialists during scientific researches made in the Oltenia ecosystems or in other areas of the country. The order *Coleoptera* is the most numerous among the 18 orders of preserved insects.

From *Coccinellidae* the entomologic patrimony of our Museum contains 1,388 specimens. From them, 821 specimens were previously processed and published (SORINA OCTAVIA ANDRIEV & CORNELIA CHIMIȘLIU, 2003), 23 species of 17 genera and 3 subfamilies were identified.

MATERIAL AND METHODS

The material searched for this paper contains 567 spec. collected between 1958–2004, from 60 collecting sites most of them from 4 counties of the Oltenia region: Dolj, Gorj, Olt, Vâlcea, and the also from Tulcea and Mureș counties.

The material was identified by RODICA SERAFIM and CORNELIA CHIMIȘLIU. The complete revision of the identifications and also the nomenclature updating, presented in this paper, was made by RODICA SERAFIM.

The systematic presentation and nomenclature used in this paper are mostly according to those cited by CLAUDIO CANEPARI (2005) in *Fauna Europaea*.

In this paper the authors present the list of collecting sites (with counties) and the collectors' names. Collecting data of the species are presented in the alphabetic order of sites, and for each site data are chronologically ordered. The taxonomic classification of the species is given in the Table 1. Below we present the list of collecting sites:

Amărăști (DJ)	Danube Delta (TL)	Poiana Mare (DJ)
Baia de Fier (GJ)	Desa (DJ)	Prunet (DJ)
Băbeni (VL)	Fărcaș (DJ)	Radovan (DJ)
Bălănești (GJ)	Filiași (DJ)	Rânca, Parâng Mountains (GJ)
Bechet (DJ)	Găleșoaia, Călnic village (GJ)	Rotunda (puddle) (OT)
Bibești (GJ)	Gura Motrului (GJ)	Săcelu (GJ)
Bistreț (DJ)	Livezi (DJ)	Scoarța (GJ)
Bucovăț (DJ)	Leamna (DJ)	Seaca de Câmp (DJ)
Bratovoști (DJ)	Logrești (GJ)	Secui (DJ)
Bugiulești (VL)	Lunca Jiului (DJ)	Segarcea (DJ)
Caracal (OT)	Melinești (DJ)	Șimnic (DJ)
Căpreni (GJ)	Mischii (DJ)	Târgu Cărbunești (GJ)
Cheile Sohodol, Vâlcan Mountains	Murgași (DJ)	Târgu Jiu (GJ)
Ciuperceni (DJ)	Negoi (DJ)	Teasc (DJ)
Craiova (DJ)	Novaci (GJ)	Terpezița (DJ)
Craiova, Botanical Garden	Olănești (VL)	Tismana (GJ)
Craiova, Parc (DJ)	Pietrele Albe (GJ)	Turcinești (GJ)
Craiova (Obedeanu) (DJ)	Pisculeț (DJ)	Urdinița (DJ)
Curtișoara OT	Plenița (DJ)	Vâlcom (DJ)
Dănciulești (GJ)	Podari (DJ)	Zau de Câmpie (MS)

Counties abbreviation:

Abrevieri judeţe:

DJ – Dolj

GJ – Gorj

Collectors' name (legit):

Numele collectorilor (legit):

B.E. – BAZILESCU ELENA;

B.L. – BĂLĂ LAVINIA;

C.C. – CORNELIA CHIMIŞLIU;

F.G. – FILCU GHEORGHITA;

MS – Mureş

OT – Olt

F.I. – FIRU ION;

G.A. – GUŢĂ ALEXANDRU;

N.A. – NĂSTASE ADRIAN;

P.G. – PĂDURARU GALINA;

TL – Tulcea

VL – Vâlcea

P.I. – PĂUNESCU IRINA;

P.M. – POPESCU MIRCEA;

V.A. – VIŞAN ANETA.

Table 1. Taxonomic classification of the species.

Încadrarea taxonomică a speciilor.

SUBFAMILY	TRIBE	GENUS / SPECIES	No. of SPECIMENS (spec.)
CHILOCORINAE	Chilocorini	<i>Brumus quadripustulatus</i>	2
COCCINELLINAE	Coccinellini	<i>Adalia bipunctata</i>	6
		<i>Adalia decempunctata</i>	4
		<i>Coccinella quinquepunctata</i>	4
		<i>Coccinella septempunctata</i>	193
		<i>Coccinula quatuordecimpustulata</i>	16
		<i>Harmonia quadripunctata</i>	1
		<i>Oenopia conglobata</i>	1
		<i>Propylaea quatuordecimpunctata</i>	117
		<i>Tytthaspis sedecimpunctata</i>	17
	Hippodamiini	<i>Adonia variegata</i>	102
		<i>Asisosticta novemdecimpunctata</i>	4
		<i>Hippodamia tredecimpunctata</i>	61
	Psylloborini	<i>Halysia sedecimguttata</i>	2
		<i>Psyllobora vigintiduopunctata</i>	12
EPILOCHNINAE	Epilachnini	<i>Henosepilachna argus</i>	1
	Madaini	<i>Subcoccinella vigintiquatuor punctata</i>	24
Total	3	6	17

Subfamily **CHILOCHORINAE**

Tribe **Chilocorini**

Genus **Brumus** MULSANT, 1850

Brumus quadripustulatus (LINNAEUS, 1758) - 1 spec. Craiova 15.07.1971 F.I.; 1 spec. Bucovăţ 19.06.2000 C.C.

Subfamily **COCCINELLINAE**

Tribe **Coccinellini**

Genus **Adalia** MULSANT, 1846

Adalia (Adalia) bipunctata (LINNAEUS, 1758) - 1 spec. Bucovăţ 19.06.2000 C.C.; 1 spec. Craiova, without any collecting data, leg. F.I.; 1 spec. Dănciuleşti 26.06.1984 B.E.; 1 spec. Desa 5.08.1984 C.C.; 1 spec. Poiana Mare 7.06.1980 C.C.; 1 spec. Şimnic 20.06.2004 F.G.

Adalia (Adalia) decempunctata (LINNAEUS, 1758) - 1 spec. Bibeşti 7.07.1977 B.E.; 1 spec. Bistreţ 15.06.1966 B.E.; 1 spec. Craiova 14.04.1967; 1 spec. Curtişoara 24.06.1975 B.E.

Genus **Coccinella** LINNAEUS, 1758

Coccinella (Coccinella) quinquepunctata (LINNAEUS, 1758) - 4 spec. Cheile Sohodol, Vâlcan Mountains 02.08.2004 B.L.

Coccinella (Coccinella) septempunctata (LINNAEUS, 1758) - 8 spec. Amărăştii de Jos 15.07.1969; 24.07.1985, 17.07.1979 B.E.; 11 spec. Bibeşti 7.07.1977 B.E.; 5 spec. Bistreţ 21.07.1969 G.A., 1.04.1982 C.C., N.A., 29.05.1967 D.I.; 6 spec. Bucovăţ 9.05.1980, 17.06.1980 C.C., 9.04.1982 V.A., 15.04.1982 C.C., 3.07.1982 N.A.; 1 spec. Căpreni 13.06.1967 B.E.; 2 spec. Târgu Cărbuneşti 12.08.1984 P.I.; 1 spec. Ciuperceni 19.07.1976; 19 spec. Craiova 16.06.1978, 20.07.1978, 16.05.1979 B.E., 10.08.1980 C.C., 28.08.1980 C.C.; 7 spec. Craiova; Botanical Garden 8–20.05.1982 C.C., F.G.; 1 spec. Craiova, Parc 6.06.1977 F.I.; 3 spec. Curtişoara 24.06.1975 B.E.; 2 spec. Dănciuleşti 26.06.1984 B.E.; 5 spec. Desa 5.08.1982 C.C.; 1 spec. Fărcaş 20.09.1982 B.E.; 3 spec. Găleşoia 13.05.1975 B.E.; 4 spec. Gura Motrului 4.08.1984 P.I.; 18 spec. Leamna 18.09.1969 B.E.; 17.09.1980 C.C., 7–9.04.1982 C.C., F.G.; 6 spec. Livezi 21.09.1969 B.E.; 15 spec. Logreşti 9.07.1975 B.E.; 2 spec. Lunca Jiului 19.05.1981 C.C.; 4 spec. Mischii

23.06.1969 B.E., 16.06.1992 F.G.; 3 spec. Murgăși 10.07.1981 C.C., 16 spec. Negoii 09.07.1981 C.C., 3 – 4.06.1982 V.A., C.C., 23–24.09.1982 E.B, A.N., F.G., C.C.; 2 spec. Plenița 24.05.1982, 1.07.1984 C.C.; 4 spec. Poiana Mare 10.09.1981 B.E., 3.08.1982 C.C.; 3 spec. Radovan 1–15.05.1975 B.E.; 3 spec. Râncea, Parâng Mountains 21.07.1982 C.C.; 3 spec. Săcelu 29 – 30.07.1980 N.A.; 6 spec. Scoarța 20.07.1979 B.E.; 2 spec. Seaca de Câmp 6.07.1985 C.C.; 1 spec. Secui 26.09.1969 B.E.; 11 spec. Șimnic 5.05.1980 C.C., 13.04.1982 C.C., A.N., A.V., G.F.; 3 spec. Terpezița 12.05.1975 B.E.; 1 spec. Tismana 16.07.1979; 4 spec. Târgu Jiu 24.06.1975 B.E.; 2 spec. Urdinița 8.09.1988 C.C.; 4 spec. Vâlcom 14–19.06.1990 C.C.

Genus *Coccinula* DOBZHANSKY, 1925

Coccinula quatuordecimpustulata (LINNAEUS, 1758) - 3 spec. Craiova, Botanical Garden 22.05.1997 B.L., 4.05.2004 V.A.; 3 spec. Mischiu 10.07.1995 F.G.; 1 spec. Pietrele Albe 9.08.1996 P.A.; 7 spec. Pisculeț 31.08.1998 C.C.; 1 spec. Prunet 27.08.1973 F.I.; 1 spec. Șimnic 20.06.2004 F.G.

Genus *Harmonia* MULSANT, 1846

Harmonia quadripunctata (PONTOPPIDAN, 1763) - 1 spec. Baia de Fier 1.08.1966 B.E. Rare species in the Romanian fauna.

Genus *Oenopia* MULSANT, 1850

(syn. *Synharmonia* GANGLBAUER, 1899)

Oenopia conglobata (LINNAEUS, 1758) - 1 spec. Târgu Cărbunești 12.07.1984 P.I.

Genus *Propylaea* MULSANT, 1846

Propylaea quatuordecimpunctata (LINNAEUS, 1758) - 1 spec. Baia de Fier 2.07.1966 B.E.; 5 spec. Bechet 27.05.1976 B.E.; 2 spec. Bistreț 1.06.1982 N.A.; 1 spec. Bucovăț 9.05.1980 C.C.; 3 spec. Craiova 15.05.1971 F.I., 15.09.1972 F.I., 12.04.1980 C.C.; 4 spec. Craiova (Obedeau) 25.05.1973, 24.07.1973, 12.08.1973 F.I., 16.09.1975 F.I.; 8 spec. Craiova, Botanical Garden 10–26.05.1982 C.C., N.A., 8.07.1982 F.G., 4.05.2004 B.L., 22.08.2004 B.L.; 16 spec. Desa 5.08.1982 C.C., F.G., 24.08.1986 C.C.; 1 spec. Filiași 11.07.1967 B.E.; 3 spec. Gura Motrului 4.08.1984 P.I.; 9 spec. Leamna 7–9.04.1982 C.C.; 3 spec. Mischiu 16.06.1992 F.G.; 2 spec. Murgăși 10.07.1981 C.C.; 6 spec. Negoii 3–4.06.1982 V.A., C.C., 31.05.1993 V.A.; 16 spec. Plenița 11.07.1968 F.I., 25.07.1973 F.I., 25.05.1984 C.C., 1.07.1984 C.C.; 6 spec. Poiana Mare 7.06.1980 C.C., 22–23.05.1982 C.C., 3.08.1982 G.F.; 1 spec. Rotunda 29.07.1967 B.E.; 5 spec. Săcelu 30.07.1980 N.A.; 6 spec. Seaca de Câmp 6.07.1985 C.C.; 2 spec. Secui 26.10.1975 F.I.; 11 spec. Segarcea 14.06.1981 N.A., 23.09.1982 B.E., 24.09.1982 C.C., N.A.; 2 spec. Târgu Cărbunești 12.07.1984 P.I., 12.08.1984 P.I.; 2 spec. Teasc 27.07.1973 I.F.; 1 spec. Turcinești 10.06.1968 F.I.

Genus *Tythaspis* CROTCH, 1874

Tythaspis sedecimpunctata (LINNAEUS, 1758) - 2 spec. Bibești 7.07.1997 B.E.; 2 spec. Craiova 16.05.1979 N.A.; 1 spec. Craiova, Parc 20.05.1982 C.C.; 2 spec. Desa 5.08.1982 F.G.; 3 spec. Negoii 4.06.1982 V.A.; 2 spec. Olănești 5.07.1979 F.I.; 1 spec. Plenița 1.07.1984 C.C.; 2 spec. Segarcea 14.06.1981 N.A.; 24.09.1982 V.A.; 2 spec. Șimnic-13.04.1982 N.A.

Tribe *Hippodamiini* MULSANT, 1846

Genus *Adonia* MULSANT, 1846

Adonia variegata (GOEZE, 1777) - 1 spec. Băbeni 7.07.1997 B.E.; 2 spec. Bechet 27.05.1976 B.E.; 5 spec. Bistreț 14–15.06.1966 B.E., 1.06.1982 N.A.; 1 spec. Bratovoiești 10.07.1982 C.C.; 1 spec. Bucovăț 19.06.2000 C.C.; 4 spec. Craiova 17.06.1969 B.E., 22.06.1982 N.A.; 6 spec. Craiova (Obedeau) 24.07.1972 F.I., 18.10.1973; 6 spec. Dănciulești 26.06.1984 B.E.; 40 spec. Desa 5.08.1982 F.G., 5.08.1984 C.C.; 1 spec. Filiași 11.07.1967 B.E.; 2 spec. Gura Motrului 4.08.1984 P.I.; 1 spec. Leamna 9.04.1982 C.C.; 3 spec. Negoii 3.06.1982 C.C.; 1 spec. Novaci 11.07.1962; 18 spec. Plenița 24.05.–1.07.1984 C.C.; 1 spec. Râncea, Parâng Mountains 21.07.1982 C.C.; 3 spec. Seaca de Câmp 6.07.1985 C.C.; 3 spec. Șimnic 13.04.1983 C.C., 20.06.2004 F.G.; 3 spec. Târgu Cărbunești 12.07.1984 P.I.

Genus *Anisosticta* DEJEAN, 1835

Anisosticta novemdecimpunctata (LINNAEUS, 1758) - 2 spec. Craiova (Obedeau) 15.08.1975 F.I.; 1 spec. Podari 5.05.1969 B.E.; 1 spec. Prunet 25.08.1974 F.I.

Genus *Hippodamia* DEJEAN, 1835

Hippodamia tredecimpunctata (LINNAEUS, 1758) - 26 spec. Bechet 27.05.1976 B.E.; 5 spec. Bistreț 1.06.1982 N.A.; 1 spec. Caracal 21.05.1982 B.E.; 19 spec. Craiova 22.06.1958, 5.08.1970 F.I., 12.09.1980 C.C.; 3 spec. Craiova, Parc 20.05.1982 F.G.; 2 spec. Danube Delta 21.06.1985 C.C.; 3 spec. Desa 5.08.1984 C.C.; 1 spec. Secui 26.X.1975 F.I.; 1 spec. Târgu Cărbunești 2.08.1984 P.I.

Tribe *Psylloborini* CASEY, 1899

Genus *Halyzia* MULSANT, 1846

Halyzia sedecimguttata (LINNAEUS, 1758) - 2 spec. Târgu Cărbunești 12.07.1984 leg. I.P.

Genus *Psyllobora* DEJEAN, 1833 (syn. *Thea* MULSANT, 1846)

Psyllobora vigintiduopunctata (LINNAEUS, 1758) - 1 spec. Amărăştii de Jos 20.06.1986 P.I.; 2 spec. Craiova 20.08.1965 F.I., 26.05.1982 N.A.; 1 spec. Găleşoaia 13.05.1975 B.E.; 4 spec. Negoii 9.08.1981 C.C., 4.06.1982 C.C.; 1 spec. Radovan 15.05.1975 B.E.; 2 spec. Segarcea 14.06.1981 N.A., 23.09.1982 B.E.; 1 spec. Şimnic 13.04.1982 C.C.

Subfamily **EPILACHNINAE**, MULSANT, 1846

Tribe **Epilachnini** MULSANT, 1846

Genus *Henosepilachna* LI & COCK, 1961

(syn. *Epilachna* DEJEAN, 1835)

Henosepilachna argus (GEOFFROY, 1785) - 1 spec. Bucvâţ 12.06.1980 C.C. Rare species in the Romanian entomologic fauna.

Tribe **Madaini** GORDON, 1975

Genus *Subcoccinella* GUERIN – MENEVILLE, 1842

Subcoccinella vigintiquatuorpunctata (LINNAEUS, 1758) - 1 spec. Bistreţ 15.06.1966 B.E.; 4 spec. Bugiuleşti 1.07.1965; 1 spec. Cheile Sohodol, Vâlcan Mountains 19.05.1982 C.C.; 1 spec. Craiova (Mofleni) 17.07.1968; 6 spec. Gura Motrului 4.08.1984 P.I.; 1 spec. Melineşti 10.08.1974 F.I.; 3 spec. Negoii 9.08.1981 C.C., 31.05.1993 V.A.; 2 spec. Seaca de Câmp 6.07.1986 C.C.; 2 spec. Târgu Cărbuneşti 12.07.1984 P.I.; 1 spec. Tismana 7.07.1966 B.E.; 1 spec. Vâlcom 14.06.1990 C.C.; 1 spec. Zau de Câmpie 10.05.1996 C.C.

RESULTS AND DISCUSSIONS

In the studied material 17 species of 15 genera, 6 tribes, and 3 subfamilies were identified.

The subfamily Coccinellinae (14 species) is the best represented. The subfamily Epilachninae is represented by two species, and the subfamily Chilocorinae by a single species.

Some of the most known predator species, aphidophagous, are preserved in the collection, as: *Adalia*, *Coccinella*, *Propylaea*, *Adonia*, *Hippodamia*, *Aphidecta*, *Anisosticta*, *Calvia* etc.

The phytophagous species are represented by: *Subcoccinella vigintiquatuorpunctata* and *Epilachna argus*. *Subcoccinella vigintiquatuorpunctata* (twentyfour ladybird), which attack different grassy plants like *Medicago sativa*, *Silene dioica*, *Cirsium* spp., *Lactuca* spp.

Epilachna argus, rare species in Romania, is hosted on *Cucurbitaceae* (VOICU et al., 1990).

The species *Halyzia sedecimguttata* and *Psyllobora vigintiduopunctata*, like other species from the tribe Psylloborini, are mycetophagous.

Anisosticta novemdecimpunctata has a neat preference for humid biotopes, being hosted on aquatic plants. *Hippodamia tredecimpunctata* shows the same preferences, and it is hosted on *Phragmites*, *Typha*, *Carex*, *Sparganium*, *Salix*. These insects feed on aphids from the plants, especially *Hyalopterus pruni*.

Among those 17 insect species described in this paper, 13 were mentioned as well as in the first part of collection catalogue of coccinellidae (SORINA OCTAVIA ANDRIEV, CORNELIA CHIMIŞLIU, 2003).

Ten species which are in the first part of the catalogue were not found again in the analyzed material (ANDRIEV & CHIMIŞLIU, 2003): *Nephus quadrimaculatus* (Herbst), *Scymnus frontalis* (Fabricius), *Scymnus subvillosus* (GOEZE), *Exochomus nigromaculatus* (GOEZE) (syn. *flavipes* THUNBERG), *Anatis ocellata* (LINNAEUS), *Anisocalvia quatuordecimguttata* (FABRICIUS), *Coccinella magnifica* REDTENBACHER (syn. *divaricata* auct. nec. OLIVIER), *Sospita vigintiguttata* (LINNAEUS), *Semiadalia undecimnotata* (SCHNEIDER), *Vibidia duodecimguttata* (PODA).

Four species are new for the collection: *Brumus quadripustulatus* (LINNAEUS), *Adalia decempunctata* (LINNAEUS), *Harmonia quadripunctata* (PONTOPPIDAN), *Henosepilachna argus* (GEOFFROY).

After the data analysis we can conclude that in the collection of the Oltenia Museum, Craiova – Department of Natural Sciences, the family Coccinellidae is represented by 27 species which means 37% from all the coccinellid species from the Romanian fauna.

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