

THE SCIENTIFIC VALORISATION OF THE ENTOMOLOGICAL PATRIMONY PRESERVED AT THE MUSEUM OF OLTENIA CRAIOVA

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Abstract. In this article we analyzed and synthesized the results of scientific processing and publication of data held by the museum pieces preserved in the entomological heritage of Craiova Oltenia Museum. The material underpinning the development of the 56 papers published during the years 1982 to 2015, was registered in the museum heritage during 1951-2014. It comes from acquisitions, donations and collections done by the specialists of the Natural Sciences Department. Of the total of 53,870 registered insects, were published data for a total of 24,189 insects. The processed material belongs to the following orders: Coleoptera, Dictyoptera, Diptera, Hemiptera, Hymenoptera, Lepidoptera, Orthoptera. There were identified six new species for Romania, six species reported for the second time in the Romanian fauna, 137 species and subspecies reported for the first time in Oltenia fauna, numerous rare and very rare species in the fauna of Romania and also protected species of national and community level. This material may be a reference paper for the specialists interested in knowing the insect fauna of Oltenia, and for the specialist who will address this area in the museum in the future, will constitute a database on the state of valorization and knowledge of the entomological heritage.

Keywords: entomological collections, scientific importance, Natural Sciences Department, diversity, insect fauna, Oltenia.

Rezumat. Valorificarea științifică a patrimoniului entomologic conservat la Muzeul Olteniei Craiova. În prezentul articol au fost analizate și sintetizate rezultatele obținute în urma prelucrării științifice și publicării datelor deținute de piesele muzeale conservate în patrimoniul entomologic al Muzeului Olteniei Craiova. Materialul care a stat la baza elaborării celor 56 de lucrări publicate în perioada anilor 1982-2015, a fost înregistrat în patrimoniul muzeului în perioada anilor 1951-2014. El provine din achiziții, donații și colectări efectuate de către specialiștii Secției de Științele Naturii. Din totalul de 53.870 insecte înregistrate, au fost publicate datele deținute de 24.189 insecte. Materialul prelucrat aparține ordinelor: Coleoptera, Dictyoptera, Diptera, Hemiptera, Hymenoptera, Lepidoptera, Orthoptera. Au fost identificate șase specii noi pentru fauna României, șase specii semnalate pentru a doua oară în fauna României, 137 specii și subspecii semnalate pentru prima dată în fauna Olteniei, numeroase specii rare și foarte rare în fauna României, precum și specii protejate de interes național și comunitar. Prezentul material poate constitui o lucrare de referință pentru specialiștii interesați în cunoașterea faunei de insecte a Olteniei, iar pentru specialiștii care vor aborda acest domeniu în cadrul muzeului în viitor, va constitui o bază de date asupra stadiului de valorificare și cunoaștere a patrimoniului entomologic.

Cuvinte cheie: colecții entomologice, importanță științifică, Secția de Științele Naturii, diversitate, fauna de insecte, Oltenia.

INTRODUCTION

The entomological heritage preserved at the Natural Sciences Department of Craiova Oltenia Museum totalizes 53,870 specimens and has the largest share in the department heritage, representing almost 50%. The preserved specimens came from: acquisitions (11,241 specimens), donations (7,539 specimens) and collections (35,090 specimens).

The constitution of the insect heritage was made in two distinct stages.

The first stage was between 1951-1978. At the end of this stage, the collection totalized 13,870 specimens coming from:

I. Acquisitions (2,700 specimens): "Mihai Peiu" Collection of autochthonous Lepidoptera – 1,500 specimens and the "Claudia Stănoiu" Collection of exotic Lepidoptera – 1,200 specimens;

II. Collection carried out by specialists at the Department during the scientific researches carried out in the natural and anthropic ecosystems of Oltenia (especially) – 11,170 specimens.

In this period, the collection was scientific and cultural-educational valorized by PhD. Ion Firu.

The second stage began in 1979 and continues today (2015). During this period, entomological heritage was enriched with 40,000 specimens; it was and is still scientific and cultural-educational harnessed by PhD. Cornelia Chimișliu. The pieces registered in this period come from:

I. Acquisitions (8,541 specimens): "N. A. Săvulescu" Collection of beetles – 650 specimens; "Aurelia Ursu" Collection of Diptera – 497 specimens; "Vl. Brădescu" Collection of Diptera – 523 specimens; "I. Firu" Entomological Collection – 6,871 specimens.

II. Donations (7,539 specimens): "I. Stănoiu" donation of autochthonous Lepidoptera – 7,447 specimens; "Aurelia Ursu" donation of dipteran – 92 specimens.

III. Collections – 23,920 specimens.

The biggest share is held by beetles, followed by lepidopterans.

Given the great diversity of insects, the difficulty of their identification and the poor knowledge of the diversity of the Oltenia entomofauna, during the 36 years of activity in the department, the undersigned has developed and published 56 scientific papers alone, or in collaboration with other specialists in the field. These works were developed based on the data held by insects preserved in the entomological heritage of the department.

This paper aims to analyze, synthesize, and centralize data held by the entomological museum pieces from the museum's heritage, scientifically processed and published during 1979-2015 in order to know the status of scientific valorization of the entomological heritage.

MATERIAL AND METHOD

The material used for the preparation of this work consists in the papers published during 1982-2015, in which the analyzed data came from insects preserved in the entomological heritage of the Department of Natural Sciences constituted during the years 1951-2014.

The presentation of the published works was made grouped in; purchased collections, donated collections and collections made from insects gathered by the museum's specialists in the period 1951-2014. In the three categories of collections, the works are presented in alphabetical order of the analyzed orders, superfamilies, families and subfamilies.

The analyzed order, superfamily, family and subfamilies, the examined number of copies, the number of species, subspecies and genera identified in the examined material, the new species reported for Oltenia and/or Romania, the protected species of national or Community level and the rare or very rare species in Romanian fauna were mentioned for every published paper. At the end of this data we mentioned the bibliographical references.

The taxonomic classification of the taxa is consistent with the taxonomic system used during the period in which the papers were published.

I. THE ACQUIRED COLLECTIONS COLEOPTERA order

1. "N. A. Săvulescu" Collection of beetles

Processed material: 650 specimens belonging to 163 species and subspecies included in 85 genera and 18 families: Cicindelidae, Carabidae, Silphidae, Staphylinidae, Dermestidae, Dytiscidae, Hydrophilidae, Cleridae, Histeridae, Chrysomelidae, Cantaridae, Coccinellidae, Tenebrionidae, Buprestidae, Scarabaeidae, Lampiridae, Curculionidae, Cerambycidae.

Rare and very rare species: the collection preserves 64 rare and very rare species in the fauna of Romania.

Note: Collection preserves and three specimens of *Carabus alutensis* Săvulescu 1972 identified and described as a new species for science by N. Săvulescu. (CHIMIȘLIU, 1990-1993).

2. The Scarabeidae family from the "I. Firu" Entomological Collection

Processed material: 458 specimens belonging to 50 species and subspecies included in 25 genera and ten subfamilies: Coprinae, Geotrupinae, Aphodiinae, Hybosorinae, Sericinae, Melolonthinae, Rutelinae, Dynastinae, Valginae, Cetoniinae.

Rare and protected species: *Anisoplia (Ammanisoplia) desserticola* Fischer von Waldheim 1824, *Hybosorus illigeri* (Reiche 1853), *Protaetia (Netocia) ungarica* Herbst 1790.

Protected species: *Onthophagus vacca* (Linnaeus 1767) (= *Scarabaeus affinis* Brullé 1832). (CHIMIȘLIU, 2000c).

ORDER DIPTERA

3. "VI. Brădescu" Collection of Diptera

Processed material: the Syrphidae family – 523 specimens belonging to 181 species and subspecies included in 54 genera and two subfamilies: Milesiinae și Syrphinae.

Note: 45 rare species and 28 rare species. The collection preserves also four specimens of *Merodon strobli* Brădescu 1986, species, identified and described as a new species for science by VI. Brădescu. (CHIMIȘLIU & LILA, 2007).

4. "Aurelia Ursu" Collection of Diptera

Processed material: 497 specimens belonging to 149 species and subspecies included in 91 genera and 11 families – Asilidae, Pipunculidae (Doriloidae), Conopidae, Sepsidae, Piophilidae, Sphaeroceridae, Micropezidae, Uliidae, Lauxaniidae, Ephydriidae, Calliphoridae.

Note: 25 species are very rare, 63 are rare. (LILA & CHIMIȘLIU, 2003).

5. Diptera (part) - "I. Firu" Entomological Collection

Processed material: 459 specimens belonging to 66 species and subspecies included in 47 genera, 13 families – Asilidae, Bombyliidae, Calliphoridae, Conopidae, Nemestrinidae, Scatophagidae, Sciomyzidae, Stratiomyidae, Syrphidae, Thereviidae, Ulidiidae, Xylomyidae, Xylophagidae.

Rare species: 25 species are very rare, 63 rare, 22 relatively rare. *Nemestrinus caucasicus* (Fischer 1806) – relict tertiary, species very rare in nature and museum collections. (CHIMIȘLIU, 2013).

LEPIDOPTERA order**6. "Mihai Peiu" Collection of Lepidoptera**

Processed material: 1,500 specimens belonging to 245 species and subspecies, included in 196 genera, 23 families – Tineidae, Yponomeutidae, Ethmiidae, Oecophoridae, Gelechiidae, Pyralidae, Lasiocampidae, Saturniidae, Drepanidae, Thyatiridae, Geometridae, Sphingidae, Notodontidae, Lymantriidae, Arctiidae, Ctenuchidae, Noctuidae, Hesperidae, Papilionidae, Pieridae, Nymphalidae, Satyridae, Lycaenidae.

Rare species: *Arctia caja* (Linnaeus 1758), *Ammobiota festiva* Hufnagel 1766, *Diacrisia sannio* (Linnaeus 1758), *Maculinea arion* Linnaeus 1758, etc.

Protected species: *Parnassius apollo* Schwetzer 1911-1912, *P. mnemosyne distinctus* Bryk-Eisner 1934. (CHIMIȘLIU, 1989).

7. Microlepidoptera from the "I. Firu" Entomological Collection

Processed material: 189 specimens belonging to 45 species and subspecies included in 42 genera, ten families – Hepialidae, Cossidae, Psychidae, Yponomeutidae, Sesiidae, Tortricidae, Cochylidae, Zygaenidae, Pyralidae. (CHIMIȘLIU, 1996).

8. Macrolepidoptera from the "I. Firu" Entomological Collection

Processed material: 1,172 specimens belonging to 243 species and subspecies, included in 182 genera, 57 subfamilies and 15 families – Saturniidae (Saturniinae), Sphingidae (Macroglossinae, Sphinginae, Smerinthinae), Drepanidae (Drepaninae, Thyatirinae), Geometridae (Ennominae, Geometrinae, Larentiinae, Sterrhinae), Hesperidae (Hesperiinae, Pyrginae), Lasiocampidae (Lasiocampinae, Malacosominae, Pinarinae, Poecilocampinae), Arctiidae (Arctiinae, Syntominiinae, Lithosiinae), Lymantriidae (Arctorninae, Calliterinae, Lymantriinae, Nygmininae, Orgyinae), Noctuidae (Acontiinae, Acronictinae, Aedeinae, Amphipyridae, Bryophilinae, Calpinae, Catocalinae, Cuculliinae, Eustrotiinae, Hadeninae, Heliolithinae, Noctuidae, Plusiinae, Rivulinae, Tytinae), Nolidae (Eariadinae, Chloephorinae), Notodontidae (Notodontinae, Phalerinae, Ptilodoninae, Pygaerinae, Stauropinae), Lycaenidae (Lycaeninae), Nymphalidae (Apaturinae, Heliconiinae, Melitaeinae, Nymphalinae, Satyrinae), Papilionidae (Papilioninae, Parnassiinae), Pieridae (Coliadinae, Dismorphiinae, Pierinae).

Protected species: *Lycaena dispar* (Haworth 1802), *Parnassius apollo jarensis* Kertész 1922.

Rare species: *Nymphalis polychloros* (Linnaeus 1758), *Papilio machaon* Linnaeus 1758, *Saturnia (Saturnia) pyri* (Denis & Schiffermüller 1775), *Hyles livornica* (Esper 1780), *Acherontia atropos* (Linnaeus 1758), *Carcharodus floccifera* (Zeller 1847), *Gastropacha (Stenophylloides) populifolia* (Denis & Schiffermüller 1775), *Apatura ilia* (Denis & Schiffermüller 1775), *Argynnis (Pandoriana) pandora* (Denis & Schiffermüller 1775), *Hipparchia (Neohipparchia) statilinus* (Hufnagel 1766), *Iphiclides podalirius* (Linnaeus 1758) (CHIMIȘLIU, 2006).

ORTHOPTERA order**9. Orthoptera from the "I. Firu" Entomological Collection**

Processed material: 775 specimens belonging to 39 species and subspecies included in 26 genera, eight families – Acrididae, Tetrigidae, Tridactylidae, Gryllidae, Gryllotalpidae, Conocephalidae, Phaneropteridae, Tettigoniidae.

Rare and protected species: *Tetrix tuerki* Krauss 1876 and *Pholidoptera transsylvanica* (Fischer, 1853) (CHIMIȘLIU, 2014).

II. DONATED COLLECTIONS**LEPIDOPTERA order****10. Macrolepidoptera from the "I. Stănoiu" donation indigenous lepidoptera**

Processed material: 935 specimens belonging to 335 species and subspecies, included in 231 genera, 48 subfamilies, 16 families – Lasiocampidae (Lasiocampinae), Endromiidae, Saturniidae (Agliinae, Saturniinae), Sphingidae (Smerinthinae, Sphinginae), Hesperidae (Hesperiinae, Pyrginae, Heteropterinae), Papilionidae (Papilioninae, Parnassiinae), Pieridae (Coliadinae, Dismorphiinae, Pierinae), Lycaenidae (Riodininae, Lycaeninae), Nymphalidae (Libytheinae, Heliconiinae, Nymphalinae, Limenitinae, Apaturinae, Satyrinae), Drepanidae (Drepaninae, Thyatirinae), Geometridae (Archiarinae, Ennominae, Geometrinae, Sterrhinae, Larentiinae), Notodontidae (Pygaerinae, Notodontinae, Phalerinae), Noctuidae (Acronictinae, Bryophilinae, Hermiinae, Catocalinae, Calpinae, Hypeninae, Plusiinae, Acontiinae, Eustrotiinae, Cuculliinae, Amphipyridae, Stiriinae, Heliolithinae, Hadeninae, Noctuidae), Lymantriidae, Nolidae, Arctiidae (Arctiinae, Syntominiinae, Lithosiinae).

Rare and protected species: *Pyrgus sidae sidae* (Esper 1784), *Zerynthia polyxena* (Denis & Schiffermüller 1775), *Parnassius apollo jaraensis* (Kertész 1922), *P. mnemosyne* (Linnaeus 1758), *Leptidea morsei-major* (Grund 1907), *Euchloe ausonia taurica* Röber [1907], *Colias myrmidone myrmidone* (Esper 1780), *C. chrysotheme chrysotheme* (Esper 1781), *Lycaena helle* (Denis & Schiffermüller 1775), *L. dispar* (Haworth 1802), *Maculinea arion* (Linnaeus 1758), *Euphydryas aurinia aurinia* (Rottenburg 1775), *Krinia roxelana* (Cramer 1777). (CHIMIȘLIU & GOGA, 2005).

III. COLLECTIONS

From the collected insects there were scientifically processed species of orders: Coleoptera, Diptera, Dictyoptera, Hemiptera, Hymenoptera, Lepidoptera, Orthoptera.

ORDER COLEOPTERA
Superfamily Chrysomeloidea
Family Cerambycidae

11. Processed material: 1,077 specimens belonging to 94 species and subspecies included in 61 genera, five subfamilies – Prioninae, Lepturinae, Spondylinae, Cerambycinae, Lamiinae.

Rare and protected species: *Stromatium unicolor* (Olivier 1795), *Gracilia minuta* (Fabricius 1781), *Cerambyx (Cerambyx) miles* Bonelli 1823, *C. (C.) welensii* Küster 1846, *C. (C.) cerdo* Linnaeus 1758 and *Rosalia alpina* (Linnaeus 1758).

Note: *Oplosia cinerea* (Mulsant 1839) newly mentioned in the fauna of Oltenia. (SERAFIM et al., 2004).

12. Processed material: 370 specimens belonging to 58 species and subspecies included in 45 genera, five subfamilies – Cerambycinae, Lamiinae, Lepturinae, Prioninae, Spondylinae.

Note: *Exocentrus punctipennis* Mulsant & Builebeu 1856 is newly reported in Oltenia. Twelve species are new to the collection: *Clytus arietis* (Linnaeus 1758), *C. lama* Mulsant 1847, *Trichoferus fasciculatus* (Faldermann 1837) (Cerambycinae), *Exocentrus punctipennis* Mulsant & Builebeu 1856, *Agapanthia cardui* (Linnaeus 1767), *Mesosa curculionoides* (Linnaeus 1761), *Stenostola ferrea* (Schrank 1776) (Lamiinae), *Leptura aurulenta* Fabricius 1792, *Paracorymbia maculicornis* (De Geer 1775), *Stictoleptura cordigera* (Fuessly 1775) (Lepturinae), *Tetropium castaneum* (Linnaeus 1758) and *Saphanus piceus* (Laicharting 1784) (Spondylidinae). (SERAFIM & CHIMIŞLIU, 2009).

Family Chrysomelidae

13. Material processed: 1,590 specimens belonging to 71 species and subspecies included in 28 genera, eight subfamilies – Criocerinae, Clytrinae, Cryptocephalinae, Eumolpinae, Chrysomelinae, Galerucinae, Halticinae, Cassidinae.

Note: five new species reported in the Oltenia fauna – *Timarcha metallica* (Laicharting 1781) *Chrysocus asclepiadeus* (Pallas 1776), *Galeruca interrupta* Illiger 1802, *Galerucella lineola* (Fabricius 1781), *Pyrrhalta viburni* (Paykull 1799). (ILIE & CHIMIŞLIU, 1999).

14. Processed material: 247 specimens belonging to 35 species and subspecies included in 15 genera, six subfamilies: Alticinae, Chrysomelinae, Clytrinae, Criocerinae, Cryptocephalinae, Galerucinae.

Note: 12 species are new to the collection: *Podagrica menetriesi* (Faldermann 1837), *Chrysolina (Anopachys) aurichalcea bohémica* (Müller G. 1948), *C. (Ovostoma) olivieri* (Bedel 1892), *C. (Colaphosoma) sturmi* (Westhoff 1882), *Clytra (Clytra) quadripunctata appendicina* Lacordaire 1848, *Smaragdina (Smaragdina) affinis* (Illiger 1794), *S. (Smaragdina) salicina* (Scopoli 1763), *Liliocerus merdigera* (Linnaeus 1758), *Coptocephala (Coptocephala) unifasciata* (Scopoli 1763), *C. (Heterichnus) coryli* (Linnaeus 1758), *Cryptocephalus (Cryptocephalus) hypochaeridis* (Linnaeus 1758), *C. (C.) virens* (Suffrian 1847). (CHIMIŞLIU & MOGOŞEANU, 2009).

15. Processed material: 531 specimens belonging to 53 species and subspecies included in 23 genera, six subfamilies – Criocerinae, Cassidinae, Chrysomelinae, Galerucinae, Cryptocephalinae, Eumolpinae.

Rare species: *Tituboea macropus* (Illiger 1800), *Smaragdina limbata* (Stéven 1806) and *Eupales ulema* (Germar 1813).

Note: 18 species are new to the collection – *Oulema gallaeciana* (Heyden 1870), *Pilemostoma fastuosum* (Schaller 1783), *Chrysomela saliceti* Suffrian 1849, *Linaeidea aenea* (Linnaeus 1758), *Neophaedon pyritosus* (Rossi 1792), *Chrysolina (Sphaeromela) varians* (Schaller 1783), *Chrysolina (Stichoptera) rossia* (Illiger 1802), *Labidostomis (Labidostomis) pallidipennis* (Gebler 1830), *Smaragdina limbata* (Steven 1806), *Tituboea macropus* (Illiger 1800), *Cryptocephalus (Asionus) apicalis* Gebler 1830, *C. (Cryptocephalus) androgyne* Marseul 1875, *C. (Burlinius) connexus* Olivier 1808, *C. (Cryptocephalus) flavipes* Fabricius 1781, *C. (Cryptocephalus) nitidus* (Linnaeus 1758), *C. (Cryptocephalus) sexpunctatus* (Linnaeus 1758), *Pachybrachis (Pachybrachis) sinuatus* (Mulsant & Rey 1859) and *Floricola ulema* (Germar 1813). (MAICAN & CHIMIŞLIU, 2013).

Superfamily Cucujoidea
Family Coccinellidae

16. Processed material: 821 specimens belonging to 24 species and subspecies, included in 17 genera, four subfamilies – Epilachninae, Scymninae, Chilocorinae, Coccinellinae.

Note: Five newly reported species for wildlife Oltenia – *Scymnus quadrimacullatus* (Herbst 1783), *Coccinella divaricata* (Olivier 1808), *Calvia quinquedecimguttata* (Fabricius 1777), *Sospita vigintiguttata* (Linnaeus 1758) and *Anatis ocellata* (Linnaeus 1758).

Rare species: *Sospita vigintiguttata* (Linnaeus 1758) (var. *tigrina*), *Coccinella divaricata* (Olivier 1808), *Exochomus flavipes* (Thunberg 1781) and *Anatis ocellata* (Linnaeus, 1758). (ANDRIEV & CHIMIȘLIU 2003).

17. Processed material: 567 specimens belonging to 17 species and subspecies included in 15 genera, three subfamilies – Chilocorinae, Coccinellinae, Epilachninae.

Note: Four species are new to the collection – *Brumus quadripustulatus* (Linnaeus 1758), *Adalia decempunctata* (Linnaeus 1758), *Harmonia quadripunctata* (Pontoppidan 1763), *Henosepilachna argus* (Geoffroy 1785). (SERAFIM & CHIMIȘLIU 2005).

Superfamily Elateroidea Family Elateridae

18. Processed material: 459 specimens belonging to 49 species and subspecies, included in 20 genera, ten subfamilies – Agrypninae, Conoderinae, Ampedinae, Hypnoidinae, Cardiophorinae, Melanotinae, Athoinae, Ctenicerinae, Agriotinae, Adrastinae.

Note: All species and subspecies are mentioned for the first time in the entomological collections of the Museum. (ZAHARIA (CIUCĂ) & CHIMIȘLIU, 2004).

Superfamily Scarabaeoidea Subfamily Cetoniinae

19. Processed material: 1,705 specimens belonging to 12 species and subspecies included in 6 genera from the Cetoniinae subfamily.

Rare species: *Liocola lugubris* (Herbst 1786), *Protaetia* (s. str.) *fieberi* (Kraatz 1880), *P. (Netocia) ungarica* (Herbst 1790), *P. (Netocia) vidua* (Gory & Percheron 1833) and *Tropinota* (s. str.) *squalida* (Scopoli 1883).

Note: Two species (*Liocola lugubris* and *Protaetia fieberi*) are reported for the first time in the fauna of Oltenia. (CHIMIȘLIU, 1999).

20. Processed material: 1,029 specimens belonging to 17 species and subspecies included in eight genera, three subfamilies – Cetoniinae, Trichiinae, Valginae.

Note: *Protaetia (Netocia) cuprea metallica* (Herbst 1782) subspecies newly reported in Oltenia. The existence of the *Oxythyrea cinctella* (Schaum 1841) species was reconfirmed in the wildlife of Oltenia. (CHIMIȘLIU & MOGOȘEANU, 2011).

Family Copridae

21. Processed material: 18 specimens belonging to two species, included in a genus, Coprinae subfamily.

Note: *Onthophagus vacca* (= *Scarabaeus affinis*), the protected species of national level has been identified and referred for the second time in the fauna of Oltenia, 95 years after the first mention (FLECK, 1904; RUCĂNESCU & CHIMIȘLIU, 1999).

Subfamilies Coprinae and Geotrupinae

22. Processed material: 929 specimens: 778 specimens belonging to 20 species and subspecies, included in seven genera, subfamily Coprinae, and 151 specimens belonging to seven species and subspecies included in seven genera, subfamily Geotrupinae.

Rare and protected species: *Onthophagus vacca* (Linnaeus 1767) (= *Scarabaeus affinis* Brüllé 1832), *Gymnopleurus sturmi* Mac-Leay 1821, *Geotrupes (Trypocopris) vernalis* Linnaeus 1758, *Lethrus apterus* Laxmann 1770.

Note: *Oniticellus pallipes* Fabricius 1781, the species is reported for the first time in the fauna of Oltenia. (CHIMIȘLIU, 2000).

Families: Copridae, Geotrupidae, Aphodiidae, Ochodaecidae, Melolonthidae, Haplinae

23. Processed material: 37 specimens belonging to nine species and subspecies included in nine genera, seven subfamilies, six families – Copridae (Coprinae), Bolboceridae (Bolbocerinae, Lethrinae), Aphodiidae (Aphodiinae), Ochodaenidae (Ochodaeninae), Melolonthidae (Sericinae), Haplidae (Haplinae).

Rare species: *Euoniticellus pallipes* (Fabricius 1798), *Odontaeus armiger* (Scopoli 1772), *Ochodaecus chrysomeloides* (Schrak 1881), *Lethrus apterus* (Laxmann 1770), *Maladera holosericea* (Scopoli 1772).

Note: The four species are new for the fauna of beetles of Oltenia: *Alocoderus hydrochaeris* (Fabricius 1798), *Melinopterus pubescens* (Sturm 1800), *Heptaulacus sus* (Herbst 1783), *Hoplia grammicola* (Fabricius 1792). (CHIMIȘLIU, 2001b).

24. Processed material: 72 specimens, included in 40 species, 25 genera, 9 subfamilies – Coprinae, Geotrupinae, Sericinae, Melolontinae, Rutelinae, Dynastinae, Valginae, Trichiinae, Cetoniinae.

Note: Five species were identified and reported for the first time in the Oltenia fauna – *Odontaeus armiger* (Scopoli 1772), *Aphodius (Acrossus) rufipes* (Linnaeus 1758), *A. (Bodilus) ictericus* Laicharting 1781, *A. (Amidorus) porcus* (Fabricius 1792), *Omaloepia (O.) erythroptera* Frivaldsky 1835. (BOBÎRNAC et al, 1999; CHIMIŞLIU, 2014).

Family Dynastidae

25. Processed material: 359 specimens belonging to four species and subspecies included in two genera, Dynastinae subfamily.

Note: Two rare subspecies for the country fauna – *Pentodon bidens bidens* (Pallas 1771) and *Pentodon bidens sulcifrons* Küster 1789, previously reported only in Dobrogea are again reported in Oltenia. (CHIMIŞLIU, 2005).

26. Processed material: 111 specimens belonging to two species included in two genera, Dynastinae subfamily. (CHIMIŞLIU & MOGOŞEANU, 2009a).

Families: Glaresidae, Trogidae, Scarabaeidae

27. Processed material: 91 specimens, belonging to 10 species and subspecies, included in six genera, four subfamilies, three families – Glaresidae, Trogidae, Scarabaeidae (Aphodiinae, Scarabaeinae, Melolonthinae and Orphninae).

Note: ten species, newly reported in Oltenia fauna – *Glaresis rufa* Erichson 1848, *Trox hispidus* Pontoppidan 1763, *Trox scaber* (Linnaeus 1767), *Trox sabulosum* Linnaeus 1758, *Aphodius (Esimus) merdarius* (Fabricius 1775), *Onthophagus (O.) gibbulus* (Pallas 1781), *O. (O.) grossepunctatus* Reitter 1905, *O. (O.) marginalis* Gebler 1871, *Triodonta flavimana* Burmeister 1855, *Chaetonyx robustus* Schaum 1862. The genus *Triodonta* Mulsant 1842 and the species *Triodonta flavimana* are first reported in the Romanian fauna. (CHIMIŞLIU, 2003).

Family Lucanidae

28. Processed material: 285 specimens belonging to three species and subspecies included in three genera, three subfamilies – Lucaninae, Aesalinae, Syndesinae.

Rare and protected species: *Lucanus cervus* (Linnaeus 1758) – protected species of Community interest. (CHIMIŞLIU, 2007).

Subfamily Melolonthinae

29. Processed material: 207 specimens belonging to 16 species and subspecies included in six genera.

Rare species: *Monotropus nordmanni* Blanchard 1850, *Amphimallon* (s. str.) *assimilis* Herbst 1790, *Melolontha* (s. str.) *hippocastani* Fabricius 1801, *Rhizotrogus* (s. str.) *aestivus* (Olivier 1789), *Rh. (Miltotrogus) pilicollis* Gyllenhal 1817, *Amphimallon* (s. str.) *caucasicus* Gyllenhal 1817. The last three species were reported for the first time in the fauna of beetles of Oltenia. (CHIMIŞLIU, 2000a).

Subfamily Rutelinae

30. Processed material: 930 specimens belonging to 14 species and subspecies included in five genera.

Rare species: *Anisoplia* (s. str.) *tempestiva* Erichson 1847, is a newly mentioned species for Oltenia. (CHIMIŞLIU, 2000b).

Family Scarabaeidae

Subfamily Aphodiinae

31. Processed material: 473 specimens belonging to 17 species and subspecies included in nine genera.

Rare species: 12 identified species are rare in the country's fauna – *Aphodius (Amidorus) obscurus* Fabricius 1792, *Aph. (Agolius) mixtus* Villa 1833, *Aph. (Agrilinus) putridus* Herbst 1789, *Aph. (Agrilinus) convexus* (Erichson 1848), *Aph. (Bodilus) nitidulus* Fabricius, 1792, *Aph. (Nialus) kraatzi* Harold 1868, *Aph. (Nialus) plagiatus* (Linnaeus 1767), *Aph. (Phalacronotus) paracoenosus* (Balthasar & Hrubant 1960) *Heptaaulacus carinatus* (Germar 1824), *Psammobius laevipennis* Costa 1844, *Oxyomus silvestris* Scopoli 1763. (CHIMIŞLIU, 2001).

32. Processed material: 458 specimens belonging to ten species and subspecies included in *Aphodius* genus.

Note: All ten species were reported for the first time in the fauna of beetles of Oltenia – *Aphodius (Biralus) satellitus* (Herbst 1789), *Aph. (Volinus) sticticus* Panzer 1798, *Aph. (Volinus) melanostictus* Schmidt 1840, *Aph. (Melinopterus) prodromus* Brahm 1790, *Aph. (Melinopterus) sphacelatus* Panzer 1798, *Aph. (Orodalus) pusillus* Herbst 1789, *Aph. (Orodalus) tristis* Zenker 1801, *Aph. (s. str.) aestivalis* Stephens 1839, *Aph. (Bodilus) lugens* Creutzer. 1799,

Aph. (Bodilus) rufus, *Aph. (Nialus) lividus* Olivier 1789 and two new subgenera: *Biralus* Mulsant 1870 and *Orodalus* Mulsant 1870. (CHIMIȘLIU, 2001a).

33. Processed material: 38 specimens, belonging to five species and sub-species included in the *Aphodius* genus.

Note: six species have been reported for the first time in Oltenia fauna – *Aphodius (Colobopterus) scrutator* Herbst 1789, *Aph. (Volinus) pictus* Sturm 1805, *Aph. (Nobius) serotinus* Panzer 1799, *Aph. (Trichonotulus) scropha* Fabricius 1787, *Aph. (Bodilus) sordidus* Fabricius 1775, as well as the subgenera *Nobius* Mulsant 1870 and *Trichonotulus* Bedel 1911. (CHIMIȘLIU, 2001-2002).

Subfamily Trichiinae

34. Processed material: 30 specimens, belonging to five species and subspecies included in three genera.

Rare and protected species: *Gnorimus octopunctatum* (Fabricius 1775) and *Osmoderma eremita* Scopoli 1863.

Note: *Trichius sexualis* Bedel 1906, a rare species in Romanian fauna was identified and mentioned for the first time in the fauna of Oltenia. (CHIMIȘLIU, 2002).

Superfamily Staphylionoidea

Family Staphylinidae

35. Processed material: 160 specimens, belonging to 55 species and subspecies included in 26 genera, eight subfamilies – Omaliinae, Oxytelinae, Oxyporinae, Steninae, Paederinae, Staphylininae, Tachyporinae, Aleocharinae.

Note: *Aleochara breiti* Ganglbauer 1897 is a new species in Romanian fauna. (STAN & CHIMIȘLIU, 2005).

ORDER DIPTERA

36. Processed material: 88 specimens belonging to 14 species included in 12 genera, one family – Asilidae.

Note: The two species reported for the second time in the fauna of Romania (*Eutolmus mediocris* Becker 1923 and *Antipalus bilobus* Ionescu & Weinberg 1960). Two species are very rare in Romania fauna: *Lasiopogon montanus* Schiner 1862, *Cyrtopogon maculipennis* (Macquart 1834), and nine species are newly mentioned in the fauna of Oltenia: *Stenopogon sabaudus* (Fabricius 1794), *Lasiopogon montanus* Schiner 1862, *Cyrtopogon maculipennis* (Macquart 1834), *Dioctria linearis* (Fabricius 1787), *Dioctria rufipes* (De Geer 1776), *Machimus gonatistes* (Zeller 1840), *Nemochterus hungaricus* Engel 1927. (WEINBERG & CHIMIȘLIU, 1990-1993b).

37. Processed material: 117 specimens belonging to 21 species included in 14 genera, one family – Asilidae.

Note: *Antyphrison trifarius* (Loew 1849) is new species in the Romanian fauna. *Choerades fulva* (Meigen 1804) species has been reported for the second time in the Romanian fauna. Twelve new species for collection. (WEINBERG & CHIMIȘLIU, 1996b).

38. Processed material: 294 specimens belonging to 23 species included in 14 genera, one family – Asilidae.

Note: *Epitriptuis cowini* Hobby 1946 species as mentioned for the second time in the Romanian fauna. Eight species are new for the Oltenia fauna: *Lasiopogon cinctus* (Fabricius 1781), *Dioctria atricapilla* Meigen 1804, *D. longicornis* Meigen 1820, *Paritamus geniculatus* (Meigen 1820), *Pamponerus germanicus* (Linnaeus 1758), *Epitriptus cowini* (Hobby 1946), *Dysmachus praemorsus* (Loew 1854) and *Neomochterus palipes* Meigen 1830. (CHIMIȘLIU, 2003-2004).

39. Processed material: 230 specimens belonging to 24 species included in 13 genera, three families – Bombyliidae, Conopidae, Platystomatidae.

Note: 17 new species for collection. *Anthrax varia* Fabricius 1794 species was reported for the second time in Romanian fauna. (WEINBERG & CHIMIȘLIU, 1995).

40. Processed material: 11 specimens belonging to four species included in four genera, one family – Micropezidae.

Note: *Comsobata (Trylophyrobata) nigricornis* (Zetterstedt 1838) species was reported for the second time in the Romanian fauna. (WEINBERG & CHIMIȘLIU, 1996).

41. Processed material: 71 specimens belonging to three species included in the three genera, one family – Therevidae.

Note: Three species are new to the collection. (WEINBERG & CHIMIȘLIU 1990-1993a).

42. Processed material: 156 specimens belonging to 34 species and subspecies included in 26 genera, nine families – Solvidae, Stratiomyidae, Nemestrinidae, Asilidae, Therevidae, Bombyliidae, Conopidae, Platystomatidae and Sciomyzidae.

Note: 20 species are newly reported in Oltenia fauna – *Solva marginata* (Meigen 1820), *Chloromya formosa* (Scopoli 1763), *Stratiomys chamaeleon* (Linnaeus 1758), *Stichopogon scaliger* Loew 1847, *S. aemula* (Meigen 1820), *Machimus annulipes* (Brullé 1832), *M. atricapillus* (Fallen 1814), *M. cingulatus* (Fabricius 1781), *Nemochtherus flavicornis* (Ruthe 1831), *Thereva annulata* (Fabricius 1805), *Th. nigripes* Loew 1846, *Bombylius ater* (Scopoli 1763), *B. discolor* Mikán 1796, *B. major* Linnaeus 1758, *Systoechus ctenopterus* (Mikán 1787), *Hemipenthes morio* (Linnaeus 1758), *Villa circumdata* (Meigen 1820), *Thecophora pusilla* (Meigen 1824), *Platystoma seminationis* (Fabricius 1775). (WEINBERG & CHIMIŞLIU, 1982).

43. Processed material: 130 specimens belonging to 26 species and subspecies included in 13 genera, four families – Tabanidae, Dolichopodidae, Chloropidae and Hippoboscidae.

Note: three new species for Romanian fauna – *Dolichopus sabinus* Haliday 1838, *Synthormon rufipes* (Meigen 1824) and *Sciapus contristans* (Wiedemann, 1817). The Hippoboscidae family is reported for the first time in Oltenia. Eleven species are newly reported in Oltenia fauna: two species are very rare in Romania fauna – *Tabanus spectabilis* Loew 1858, *Haplegis diadema* (Meigen 1830). (PÂRVU & CHIMIŞLIU 1982).

ORDER HETEROPTERA

44. Processed material: 146 specimens belonging to 11 species and subspecies included in nine genera, six families and seven subfamilies – Nepidae (Nepinae, Ranatrinae), Corixidae (Corixinae), Naucoridae (Naucorinae), Notonectidae (Notonectidae), Gerridae (Gerrinae), Veliidae (Veliinae).

Note: eight species and subspecies are reported for the first time in Oltenia fauna – *Nepa cinerea* Linnaeus 1758, *Ranatra (R.) linearis* (Linnaeus 1758), *Corixa punctata* (Illiger 1807), *Sigara (Pseudovermicorixa) nigrolineata nigrolineata* (Fieber 1848), *Ilyocoris cimicoides cimicoides* (Linnaeus 1758), *Aquarius paludum paludum* (Fabricius 1794), *Gerris (G.) thoracicus* Schummel 1832, *Velia (Plesiovelia) saulii* Tamanini 1947. The species *Notonecta (N.) meridionalis* Poisson 1926 is rare in Romanian fauna. (BERCHI & CHIMIŞLIU, 2015)

ORDER HYMENOPTERA

45. Processed material: 165 specimens belonging to 47 species and subspecies, included in 15 genera, seven families, three superfamilies – Apoidea (Colletidae, Andrenidae, Halictidae, Megachilidae, Apidae), Formicoidea (Formicidae), Vespoidea (Vespidae).

Note: 16 new species for Oltenia family Halictidae – *Halictus lativentris* Schenck 1853, *H. morbillosus* Kriechbaumer 1873, *H. morio* (Fabricius 1793), *H. nitidulus* Pérez 1903, *H. podolicus* Noskiewicz 1925, *H. politus* Schenck 1853, *H. subauratus* Rossi 1792, *H. sexcinctus* Fabricius 1775, *H. tumulorum* Linnaeus 1758, *Lasioglossum quadrinotatum* (Kirby 1802) (= *Halictus 4-notatus*), *Sphecodes albilabris* (Fabricius 1793), *Sph. gibbus* Linnaeus 1758, *Sph. pellucidus* Smith 1845, *Nomioides minutissima* Rossi 1790, *N. variegata* Olivier 1789, *Rophitoides canus* Eversmann 1852. (GOAGĂ et al., 1999)

ORDER LEPIDOPTERA

Family Lycaenidae

46. Processed material: 193 specimens belonging to 25 species and subspecies included in 16 genera, three subfamilies – Lycaeninae, Polyommatainae, Theclinae.

Note: three species are newly mentioned in the fauna of Oltenia: *Cupido (Everes) alcetas* (Hoffmannsegg 1804), *Cupido (Everes) decolorata* (Staudinger 1886), *Leptotes pirithous* (Linnaeus 1767). (CHIMIŞLIU 2015).

Family Nymphalidae

47. Processed material: 392 specimens belonging to 39 species and subspecies included in 15 genera, five subfamilies – Apaturinae, Heliconiinae, Libytheinae, Limenitidinae, Melitaeinae.

Note: two new species reported for the first time in Oltenia – *Argyronome (Argyronome) laodice* (Pallas 1771) and *Nymphalis xanthomelas* (Esper 1781).

Rare and protected species: *Apatura metis* Freyer 1829, *Limenitis reducta* Staudinger 1901, *Neptis sappho* (Pallas 1771), *Euphydryas aurinia* (Rottemburg 1775), *Melitaea britomartis* Assmann 1847 and *Nymphalis xanthomelas* (Esper 1781). (CHIMIŞLIU, 2011a).

48. Processed material: 442 specimens belonging to 31 species and subspecies, included in 14 genera, four subfamilies – Apaturinae, Heliconiinae, Limenitidinae, Melitaeinae.

Rare and protected species: *Apatura metis*, *Limenitis reducta*, *Euphydryas aurinia aurinia*, *Melitaea britomartis*. (CHIMIȘLIU, 2011b).

49. Processed material: 379 specimens included in 32 species and subspecies, 18 genera, Satyrinae subfamily.

Note: *Melitaea galathea* (Linnaeus 1758) (f. *leucomelas*) is newly reported in the Oltenia fauna. (CHIMIȘLIU, 2011c).

Family Papilionidae

50. Processed material: 118 specimens belonging to five species and subspecies included in four genera, two subfamilies – Papilioninae, Parnasiinae.

Rare and protected species: *Zerynthia (Z.) polyxena* (Denis & Schiffermüller 1775), *Parnassius apollo jaraensis* (Kertész 1922), *P. mnemosyne* (Linnaeus 1758) (CHIMIȘLIU, 2008).

Family Pieridae

51. Processed material: 382 specimens belonging to 13 species and subspecies included in seven genera, three families – Coliadae, Dismorphiinae, Pierinae.

Rare and protected species: *Colias myrmidone* (Esper 1781), *Leptidea morsei* (Fenton 1882), *Colias chrysotheme* (Esper 1781). (CHIMIȘLIU, 2009).

Family Sphingidae

52. Processed material: 82 specimens belonging to 16 species and subspecies included in 13 genera, three subfamilies – Smerinthinae, Sphinginae, Macroglossinae.

Note: three species are now listed for the first time in Oltenia fauna – *Sphinx pinastri* Linnaeus 1758, *Hyles gallii* (Rottemburg 1775), *Hippotion celerio* (Linnaeus 1758). (CHIMIȘLIU, 2010).

ORDER ORTHOPTERA

53. Processed material: 173 specimens belonging to 54 species and subspecies included in 31 genera, seven families – Acrididae, Gryllidae, Gryllotalpidae, Pamphigidae, Tettigoniidae, Tetrigidae, Tridactylidae.

Note: *Asiotmethis limbatus* (Charpentier, 1842) a very rare Balkan species for the country fauna, known so far only in Dobrogea; an endemic species – *Pholidoptera transsylvanica* (Fischer 1853), Carpathian element, rare at lower heights and four less widespread species, occurring locally – *Pteronemobius heydenii*, (Fischer 1853), *Tetrix tuerki tuerki* (Krauss 1876), *Celes variabilis variabilis* (Pallas 1771), *Chrysochraon dispar dispar* (Germar 1834). (TOGĂNEL & CHIMIȘLIU, 2005).

Protected insects of community interest

54. Processed material: 48 specimens belonging to 12 species included in 12 genera, three orders – Orthoptera (1 species, 1 genus), Coleoptera (5 species, 5 genera) and the Lepidoptera order (6 species, 5 genera).

Protected species: *Pholidoptera transsylvanica* (Fischer 1853) – Orthoptera order, *Cerambyx cerdo* Linnaeus 1758, *Rosalia alpina* (Linnaeus 1758), *Morimus funereus* Mulsant 1863, *Lucanus cervus* Linnaeus 1758, *Osmoderma eremita* (Scopoli 1763) – Coleoptera order, *Parnassius mnemosyne* (Linnaeus 1758), *Colias myrmidone* (Esper 1780), *Lycaena dispar* (Haworth 1802), *Maculinea nausithous* (Bergsträsser, 1779), *Euplagia quadripunctaria* (Poda 1761) – Lepidoptera order. (CHIMIȘLIU, 2006a).

Invasive insect species preserved in the museum heritage

55. Processed material: 166 specimens belonging to nine species included in nine genera, four orders – Coleoptera, Dictyoptera, Hemiptera, Orthoptera. (CHIMIȘLIU, 2011c).

56. Processed material: 654 specimens belonging to 12 species and 11 genera, four orders – Coleoptera, Dictyoptera, Hemiptera, Orthoptera. (CHIMIȘLIU, 2011d).

RESULTS

We analyzed 56 published works. Of these, nine works were compiled from data of the insects preserved in the purchased collections, one paper was based on the data of the insects preserved in the donated collections and 46 papers were based on the collected insects data.

Data of 6,223 specimens of the 11,241 **purchased** insects were published. A number of 5,018 insects preserved in «Ion Fîru» Entomological Collection have not been processed and published.

Of the 7,539 specimens from **donations**, only 935 macrolepidopterans from „Ioan Stănoiu” donation were published. The 6,604 donated pieces are unpublished (6,512 microlepidopterans from „Ioan Stănoiu” donation and 92 specimens of the „Aurelia Ursu” donation).

As for the 35,090 collected specimens, the data of 17,031 specimens were published. Data held by 18,059 collected insects are still unprocessed.

Entomological heritage processing situation is shown in Table 1.

Table 1. Status of scientific capitalization of entomological heritage.
Tabel 1. Stadiul valorificării științifice al patrimoniului entomologic.

	Number of pieces purchased collections 11,241		Nr. donations pieces 7,539		Nr. collected pieces 35,090		Total pieces 53,870	
	published	unpublished	published	unpublished	published	unpublished	published	unpublished
No. piese	6223	5018	935	6604	17,031	18,059	24,189	29,681
%	55.36%	44.64%	12.40%	87.60%	48.54%	51.46%	44.90%	55.10%

In the processed and published heritage have been identified:

- Six new species for the Romanian fauna: four species of Diptera – *Dolichopus sabinus*, *Synthormon rufipes*, *Sciapus contristans* (PÂRVU & CHIMIȘLIU, 1982), *Anthyphrison trifarius* (WEINBERG & CHIMIȘLIU, 1996) and two species of beetles – *Triodonta flavimana* (CHIMIȘLIU, 2003) and *Aleochara breiti* (STAN & CHIMIȘLIU, 2005);
- a new genre (*Triodonta*) for the Romanian fauna;
- six species reported for the second time in Romanian fauna: *Eutolmus mediocris*, *Antipalus bilobus* (WEINBERG & CHIMIȘLIU, 1990-1993b), *Anthrax varia* (WEINBERG & CHIMIȘLIU, 1995), *Comsobata (Trylophyrobata) nigricornis* (WEINBERG & CHIMIȘLIU, 1996a), *Choerades fulva* (WEINBERG & CHIMIȘLIU, 1996b) *Epitriptuis cowini* (CHIMIȘLIU, 2003-2004);
- 137 species and subspecies reported for the first time in the fauna of Oltenia.
- 15 genera and subgenera newly reported in Oltenia: *Alocoderus* Schmidt 1913, *Biralus* Mulsant 1870, *Esymus* Mulsant & Rey 1870, *Nobius* Mulsant & Rey 1870, *Trichonotulus* Bedel 1911, *Chaetonyx* Schaum 1862, *Glareis* Erichson 1848, *Trox* Fabricius 1775, *Odontaeus* Klug 1843, *Triodonta*, *Dolichopus* Latreille 1796, *Syntormon* Loew 1857, *Sciapus* Zeller 1842, *Anthyphrison* Loew 1849 and *Aleochara* Gravenhorst, 1802.

DISCUSSIONS

The collection preserves both common species in nature, which remain testimony to the existence of species in nature at a time, but also rare and very rare wildlife not only in Romanian, but also in the fauna of Europe. The existence of protected species of community and national level in the museum heritage attests the scientific, national and international value of the preserved entomological collections.

The identification of new taxa for the fauna of Romania, the reconfirmation mentions of the species presence in Romanian fauna and the identification of protected species of Community and national level such as *Osmoderma eremita*, *Rosalia alpina*, *Euplagia quadripunctaria*, *Cerambyx cerdo*, *Morimus funereus*, *Pilemia tigrina*, *Lucanus cervus*, *Parnassius apollo*, *Parnassius mnemosyne*, *Zerynthia polyxena*, *Lycaena dispar*, *Pholydoptera transsylvanica* certify the diversity and the scientific importance of the insect fauna of Romania.

The specimens of *Scarabaeus affinis* preserved in the heritage provides data on the presence of this protected species of national interest, very rare in Romanian fauna.

In those 56 papers there were published data from the orders: Coleoptera, Dictyoptera, Diptera, Hemiptera, Hymenoptera, Lepidoptera, Orthoptera I mention that there are still some families of these orders whose data was not yet processed. There are still many insects that have not yet been determined and which certainly hold important scientific data that someday will be processed and published. Given that the remained unpublished insect groups are less known and studied, the results of processing these insects may be more spectacular than those achieved so far.

The determination and publication of these groups of insects offered scientific pleasant surprises every time by identifying new species for the country's fauna species, by reconfirming some species that were reported tens of years before in Oltenia fauna and implicitly in Romanian fauna.

CONCLUSIONS

The entomological heritage of the Oltenia Museum Craiova was scientifically valorized by processing and publishing the data held by 24,189 insects preserved in the entomological collections (44.90%).

The purchased collections were processed and published in proportion of 55.36%, the donations in proportion of 12.40% , and those collected in proportion of 48.54%.

The published data from the museum heritage, have contributed to a better understanding of the diversity and the habitat of the insects from the Oltenia fauna which is little known compared to other areas of the country.

The results show the importance of the museum collections in the knowledge of diversity of the insect fauna. Because of the small number of the specialists from museums and because of the museum activity diversity, many data remain unknown years, maybe tens of years until the insects are determined and published.

This material may be a reference work for the specialists interested in knowing the insect fauna of Oltenia, and for experts who will address this area in the museum in the future. It will constitute a database on the state of valorization and knowledge of the entomological heritage.

The museum collections are the natural treasure of Romania, storing much information about the flora and fauna and it would be ideally that all the data held by museum pieces would be researched and published.

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