

## THE CATALOGUE OF ORTHOPTERA (INSECTA: ORTHOPTERA) FROM THE "I. FIRU" ENTOMOLOGICAL COLLECTION HOUSED AT OLTENIA MUSEUM CRAIOVA

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**Abstract.** The paper analyses the Orthoptera preserved in the "I.Firu" Entomological Collection acquired in 1982 and 1991. The 775 specimens belong to a total of 40 species included in 26 genera, 7 subfamilies, 8 families and 5 superfamilies. The best represented in numerical terms is the Acrididae family, which has 525 specimens of the 775 representing 67.74%. It is followed by the Tridactylidae family with 121 specimens (15.61%) and Tetrigidae with 74 specimens (9.55%). The other five families sums up 55 samples (7.10%). The species were collected in 23 sites in 4 counties of Oltenia and one in Brasov County. 13 sites are mentioned for the first time. The new sites together with the 23 sites mentioned previously (TOGĂNEL & CHIMIȘLIU, 2005), contribute to a better knowledge of the Orthoptera distribution in this area of Romania. The 40 species represent 21.98% of the species of Orthoptera (182) reported from Romania (IORGU et al., 2008), and 15 of these are new species in the museum patrimony.

**Keywords:** catalogue, Orthoptera, patrimony Oltenia Museum Craiova, Oltenia fauna.

**Rezumat. Catalogul orthopterelor (Insecta: Orthoptera) din Colecția entomologică "I. Firu", conservată la Muzeul Olteniei Craiova.** Lucrarea analizează ortopterele conservate în Colecția entomologică "I. Firu" achiziționată în anul 1982 și 1991. Cele 775 exemplare aparțin unui număr de 40 de specii, incluse în 26 de genuri, 7 subfamilii, 8 familii și 5 suprafamilii. Familia cel mai bine reprezentată din punct de vedere numeric este familia Acrididae, care însumează 525 exemplare din cele 775 reprezentând puțin peste 67,74%. Este secundată de familia Tridactylidae, cu 121 exemplare (15,61%) și Tetrigidae, cu 74 exemplare (9,55%). Celelalte 5 familii însumează 55 exemplare (7,10%). Speciile au fost colectate în 23 de situri din 4 județe din Oltenia și unul din județul Brașov. Treisprezece situri sunt menționate pentru prima dată. Acestea se alătură celor 23 de situri de colectare din Oltenia, menționate anterior (TOGĂNEL & CHIMIȘLIU, 2005), contribuind la o mai bună cunoaștere a distribuției ortopterelor în aceasta zonă a României. Cele 40 de specii reprezintă 21,98% din numărul speciilor de ortoptere (182) semnalate din România (IORGU et al., 2008), iar 15 specii sunt noi semnalări din patrimoniul muzeului.

**Cuvinte cheie:** catalog, ortoptere, patrimoniul Muzeului Olteniei Craiova, fauna Olteniei.

### INTRODUCTION

"I. Firu" Entomological Collection includes 6,871 specimens belonging to 18 orders of insects, the majority being collected in natural and anthropogenic ecosystems of Oltenia, in the period 1951-1982. The collection was acquired in two stages. The first part of the collection (6,000 specimens) was acquired in 1982, and the second part (871 specimens) came into the possession of the museum in 1991. The Coleoptera order (1680 specimens) has the largest percentage being followed by the order Lepidoptera.

Most insects are not published. So far, from this collection were published Lepidoptera (CHIMIȘLIU, 1996, 2006) and partially beetles: Scarabaeoidea (CHIMIȘLIU, 2000) Cerambicidae (SERAFIM et al., 2004) and Elateridae (ZAHARIA (CIUCĂ) & CHIMIȘLIU, 2004) and Diptera (CHIMIȘLIU, 2014)

From the species of the Orthoptera order preserved in the museum entomological patrimony, there were published 54 species collected during the years 1964 to 2005 from 32 collection sites, most in Dolj County (TOGĂNEL & CHIMIȘLIU, 2005).

The first data on the Orthoptera of Oltenia are recorded since the mid-nineteenth century (FISCHER (1853) cit. TOGĂNEL & CHIMIȘLIU (2005). Other authors that have reported Orthoptera species from the fauna of Oltenia are: ZOTTU (1909); MARCU (1929); GEORGESCU (1930); MÜLLER (1932); ELIESCU (1937); KIS (1960); PÎRVESCU (1965); KIS & PÎRVESCU (1966); KIS & VASILIU (1967); BOBÎRNAC (1972); FIRU et al. (1988) (cit. TOGĂNEL & CHIMIȘLIU, 2005).

The purpose of this paper is to continue the publication of species preserved in the "I. Firu" Entomological Collection for a better understanding of the diversity and the habitat of the insect from Oltenia.

### MATERIAL AND METHODS

The analysed material is represented by the species of the Orthoptera order preserved in the "I. Firu" Entomological Collection.

The species were determined by I. Firu and reviewed by B. Kis. The nomenclature and taxonomy of the species used in this work are consistent with the taxonomic system of Fauna Europaea.

For each species, there were recorded: the examined material, the number of specimens, the sites, the collection dates and the inventory number. Collection sites are listed in alphabetical order, and the collection dates, in chronological order of the years and months of collection.

**Abbreviations:** spec(s). – specimen(s); inv. no. – inventory number; \* – new species reported from the museum patrimony; counties abbreviations: BV – Brașov; DJ – Dolj; GJ – Gorj; MH – Mehedinți; VL – Vâlcea.

## RESULTS

After analysing the 775 specimens, we identified 40 species included in 26 genera, 7 subfamilies, 8 families and 5 superfamilies. The distribution of specimens, species and genera in the 8 identified families is uneven (Table 1).

The specimens were collected in 23 sites in five counties, but mainly in Dolj County. Of these, four counties are in Oltenia. The only county that is not part of this historic province is Brașov, so that the material examined reflects the diversity of the Orthoptera in Oltenia.

Table 1. The numerical spectrum of the analysed Orthoptera.

Superfamily	Family	Subfamily	No. of genera	No. of species	No. of specs.
ACRIDOIDEA	Acrididae	Acridinae	1	1	44
		Calliptaminae	1	2	15
		Catantopinae	3	3	14
		Gomphocerinae	3	8	214
		Oedipodinae	4	6	238
TETRIGOIDEA	Tetrigidae	-	2	6	74
TRIDACTYLOIDEA	Tridactylidae	-	1	2	121
GRYLLOIDEA	Gryllidae	Gryllinae	2	2	12
		Nemobiinae	1	1	6
	Gryllotalpidae	-	1	1	6
TETTIGONIOIDEA	Conocephalidae	-	1	1	10
	Phaneropteridae	-	2	2	4
	Tettigoniidae	-	4	5	17
<b>5</b>	<b>8</b>	<b>7</b>	<b>26</b>	<b>40</b>	<b>775</b>

### Collection sites list:

Albești DJ	Craiova-Obedeau DJ	Plenița DJ
Brașov BV	Dănciulești	Preajba DJ
Bucovăț DJ	Desa DJ	Prunet DJ
Bugiușești VL	Drobeta Turnu Severin	Rîncea GJ
Căpreni GJ	Ghindenii DJ	Secui DJ
Cernele DJ	Irimești	Țințăreni GJ
Ciuperceni DJ	Malu Mare DJ	Vârful Păpușa (Parâng) GJ
Craiova DJ	Melinești DJ	

### List of identified species:

#### ORDER ORTHOPTERA

##### Suborder Caelifera

##### Superfamily Acridoidea

##### Family Acrididae

##### Subfamily Acridinae

\**Acrida bicolor* (Thunberg 1815)

**Examined material - 44 specs.:** Bucovăț 1 spec. 01.X.1975 inv. no. 11535; Căpreni 3 specs. 25.VIII.1964 inv. no. 11558, 11561, 11579; Craiova 3 specs. 01.IX.1972 inv. no. 11562, 11565, 11567; Craiova-Obedeau 4 specs. 15.VIII.1972 inv. no. 11539, 11551, 11563, 11578; 2 specs. 12.VIII.1973 inv. no. 11536, 11538; 1 spec. 17.VIII.1973 inv. no. 11576; 4 specs. 23.IX.1973 inv. no. 11543, 11552, 11555, 11571; 1 spec. 15.IX.1974 inv. no. 11541; 1 spec. 16.IX.1974 inv. no. 11554; 1 spec. 30.IX.1974 inv. no. 11577; 2 specs. 15.VIII.1975 inv. no. 11572, 11573; 2 specs. 16.IX.1975 inv. no. 11545, 11569; Prunet 2 specs. 15.IX.1972 inv. no. 11564, 11566; 6 specs. 26.VIII.1974 inv. no. 11542, 11544, 11546, 11547, 11549, 11574; 2 specs. 16.VIII.1975 inv. no. 11537, 11568; Secui 2 specs. 16.VIII.1965 inv. no. 11553, 11557; 1 spec. 10.IX.1974 inv. no. 11540; 1 spec. 15.VIII.1975 inv. no. 11575; 5 specs. 16.VIII.1975 inv. no. 11548, 11550, 11556, 11559, 11560.

##### Subfamily Calliptaminae

*Calliptamus barbarus* (Costa 1836)

**Previous reports from the museum patrimony:** Craiova-Obedeau (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 6 specs.:** Craiova 1 spec. 27.VII.1965 inv. no. 11527; 1 spec. 12.VIII.1966 inv. no. 11525; 1 spec. 10.VII.1967 inv. no. 11526; Craiova-Obedeau 1 spec. 15.VIII.1973 inv. no. 11524; 1 spec. 24.VIII.1973 inv. no. 11522; Prunet 1 spec. 27.VIII.1973 inv. no. 11523.

*Calliptamus italicus* (Linnaeus 1758)

**Previous reports from the museum patrimony:** Baia de Aramă, Mischii, Negoii, Poiana Mare (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 9 specs.:** Căpreni 1 spec. 25.VIII.1964 inv. no. 11514; Craiova 1 spec. 27.VI.1966 inv. no. 11515; 1 spec. 15.VIII.1966 inv. no. 11518; 1 spec. 20.VIII.1979 inv. no. 11513; Craiova-Obedeauu 1 spec. 10.VIII.1973 inv. no. 11519; 2 specs. 25.VIII.1973 inv. no. 11520, 11521; Prunet 1 spec. 15.IX.1972 inv. no. 11517; 1 spec. 15.IX.1975 inv. no. 11516.

**Subfamily Catantopinae***\*Miramella ebneri* Galvagni 1953

**Examined material - 1 spec.:** Vârful Păpușa 24.VIII.1963 inv. no. 11881.

*\*Odontopodisma rubripes* (Ramme 1931)

**Examined material - 7 specs.:** Plenița 1 spec. 25.VII.1973 inv. no. 11534; Prunet 1 spec. 15.IX.1973 inv. no. 11533; 2 specs. 26.VIII.1974 inv. no. 11529, 11530; 1 spec. 21.VIII.1975 inv. no. 11531; 1 spec. 15.IX.1975 nr. inv.11528; Secui 1 spec. 27.VII.1975 inv. no. 11532.

*Pezotettix giornae* (Rossi 1794)

**Previous reports from the museum patrimony:** Craiova-Obedeauu, Pisculeț (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 6 specs.** Bucovăț 27. X.1975 inv. no. 11507- 11512.

**Subfamily Gomphocerinae***Chorthippus albomarginatus* (De Geer 1773)

**Previous reports from the museum patrimony:** Lăzarea (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 19 ex.:** Bucovăț 1 spec. 20.X.1975 inv. no. 11637; 1 spec. 27.X.1975 inv. no. 11641; Craiova-Obedeauu 2 specs. 12.VIII.1973 inv. no. 11644, 11645; 4 specs. 23.IX.1973 inv. no. 11642, 11643, 11646, 11647; 3 specs. 30.IX.1974 inv. no. 11631, 11635, 11636; 2 specs. 10.VIII.1975 inv. no. 11638, 11639; Drobeta Turnu Severin 1 spec. 16.VIII.1962 inv. no. 11630; Melinești 1 spec. 01.VIII.1974 inv. no. 11640; 1 spec. 05.VII.1975 inv. no. 11632; Rînca 1 spec. 26.VIII.1969 inv. no. 11629; Secui 1 spec. 15.IX.1972 inv. no. 11634; 1 spec. 16.VIII.1975 inv. no. 11633.

*Chorthippus biguttulus* (Linnaeus 1758)

**Previous reports from the museum patrimony:** Jolotca (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 3 specs.:** Craiova 1 spec. 26.VI.1964 inv. no. 11617; 1 spec. 10.VIII.1964 inv. no. 11616; Prunet 1 spec. 21.VII.1973 inv. no. 11618.

*Chorthippus brunneus* (Thunberg 1815)

**Previous reports from the museum patrimony:** Ciuperceni, Craiova, Irimești, Izvor, Pisculeț, Țințăreni (TOGĂNEL & CHIMIȘLIU 2005).

**Examined material - 109 specs.:** Bucovăț 2 specs. 27.X.1975 inv. no. 11736, 11782; Bugiulești 1 spec. 05.VII.1964 inv. no. 11718; Ciuperceni 5 specs. 20.VII.1976 inv. no. 11701, 11708, 11717, 11764, 11766; Craiova 1 spec. 10.VII.1954 inv. no. 11737; 1 spec. 27.VI.1963 inv. no. 11778; 5 specs. 05.IX.1972 inv. no. 11684, 11689, 11746, 11748, 11731; 1 spec. 15.VII.1975 inv. no. 11714; 1 spec. 01.X.1975 inv. no. 11745; Craiova-Obedeauu 1 spec. 08.VII.1973 inv. no. 11730; 2 specs. 10.VII.1973 inv. no. 11694, 11703; 1 spec. 11.VII.1973 inv. no. 11695; 1 spec. 12.VII.1973 inv. no. 11693; 1 spec. 24.VII.1973 inv. no. 11721; 1 spec. 10.VIII.1973 inv. no. 11777; 2 specs. 12.VIII.1973 inv. no. 11734, 11744; 1 spec. 15.VIII.1973 inv. no. 11702; 1 spec. 24.VIII.1973 inv. no. 11740; 2 specs. 25.VIII.1973 inv. no. 11705, 11743; 1 spec. 23.IX.1973 inv. no. 11704; 2 specs. 08.X.1973 inv. no. 11738, 11774; 3 specs. 23.VI.1974 inv. no. 11735, 11741, 11769; 3 specs. 30.VI.1974 inv. no. 11728, 11729, 11760; 4 specs. 07.VII.1974 inv. no. 11767, 11768, 11770, 11772; 2 specs. 21.VII.1974 inv. no. 11732, 11771; 1 spec. 18.VIII.1974 inv. no. 11733; 7 specs. 30.IX.1974 inv. no. 11683, 11690, 11696, 11711, 11739, 11754, 11779; 1 spec. 15.VI.1975 inv. no. 11709; 1 spec. 10.VII.1975 inv. no. 11723; 1 spec. 20.VII.1975 inv. no. 11688; 5 specs. 10.VIII.1975 inv. no. 11697, 11698, 11719, 11722, 11765; 1 spec. 20.VIII.1975 inv. no. 11713; 1 spec. 30.VI.1976 inv. no. 11710; Malu Mare 2 specs. 01.VII.1975 inv. no. 1700, 11763; 3 specs. 01.VIII.1975 inv. no. 11687, 11707, 11716; Ghindeni 1 spec. 23.VI.1973 inv. no. 11747; Irimești 1 spec. 03.VI.1975 inv. no. 11783; 12 specs. 08.VI.1975 inv. no. 11752, 11762, 11775, 11781, 1178-85; Melinești 1 spec. 05.VI.1975 inv. no. 11724; Prunet 1 spec. 05.IX.1972 11749; 3 specs. 15.IX.1972 inv. no. 11720, 11750, 11751; 1 spec. 27.VII.1973 inv. no. 11758; 3 specs. 26.VIII.1974 inv. no. 11699, 11756, 11757; 2 specs. 10.IX.1974 inv. no. 11692, 11761; 3 specs. 21.VII.1975 inv. no. 11686, 11706, 11759; Secui 4 specs. 10.VII.1974 inv. no. 11725-11727, 11776; 1 spec. 27.VII.1975 inv. no. 11685; 1 spec. 10.IX.1974 inv. no. 11742; 3 specs. 16.VIII.1975 inv. no. 11712, 11755, 11773, 1 spec. 11780 inv. no. 11691; 2 specs. 15.IX.1975 inv. no. 11715, 11753; 1 spec. 15.X.1975 inv. no. 11691.

*Chorthippus loratus* (Fischer de Waldheim 1846)

**Previous reports from the museum patrimony:** Craiova-Obedeauu, Pisculeț (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 33 specs.:** Ciuperceni 2 specs. 20.VII.1976 inv. no. 11664, 11670; Craiova 1 spec. 10.VII.1966 inv. no. 11663; 2 specs. 05.IX.1972 inv. no. 11659, 11666; 1 ex 15.X.1972 inv. no. 11652; 2 specs. 15.VII.1975 inv. no. 11648, 11654; Craiova-Obedeauu 1 spec. 10.VIII.1973 inv. no. 11657; 3 specs. 25.VIII.1973 inv. no. 11669, 11678, 11679; 1 spec. 12.IX.1973 inv. no. 11651; 5 specs. 23.IX.1973 inv. no. 11650, 11658, 11665, 11668, 11671; 1 spec. 18.VIII.1974 inv. no. 11674; 1 spec. 15.IX.1974 inv. no. 11667; 3 specs. 30.IX.1974 inv. no. 11649, 11681, 11682; 1 spec.

15.VII.1975 inv. no. 11672; 3 specs. 16.IX.1975 inv. no. 11660, 11676, 11680; Malu Mare 1 spec. 01.VIII.1975 inv. no. 11653; Prunet 1 spec. 15.IX.1972 inv. no. 11661; 1 spec. 10. X.1974 inv. no. 11662; 1 spec. 16.VIII.1975 inv. no. 11675; Secui 2 specs. 15.IX.1975 inv. no. 11673, 11677.

*Chorthippus parallelus* (Zetterstedt 1821)

**Previous reports from the museum patrimony:** Craiova, Rînca, Leamna (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 10 specs.:** Rînca 1 spec. 23.VII.1963 inv. no. 11621; 2 specs. 23.VIII.1963 inv. no. 11627, 11628; 2 specs. 24.VIII.1963 inv. no. 11622, 11626; 5 specs. 25.VIII.1963 inv. no. 11619, 11619, 11620, 11624, 11625.

*Omocestus haemorrhoidalis* (Charpentier 1825)

**Previous reports from the museum patrimony:** Craiova, Rînca (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material: 2 specs.:** Rînca 26.VIII.1963 inv. no. 11614, 11615.

*Omocestus minutus* (Brulle 1832)

**Previous reports from the museum patrimony:** Craiova-Obedeau, Desa (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 34 specs.:** Craiova 1 spec. 01.IX.1972 inv. no. 11593; 2 specs. 04.IX.1972 inv. no. 11590, 11591; 2 specs. 05.IX.1972 inv. no. 11585, 11595; 2 specs. 05.IX.1972 inv. no. 11586, 11607; 1 spec. 24.VII.1973 inv. no. 11609; 2 specs. 10.VIII.1973 inv. no. 11594, 11598; 1 spec. 12.VIII.1973 inv. no. 11584; 1 spec. 23.IX.1973 inv. no. 11582; 1 spec. 10.VIII.1974 inv. no. 11612; 7 specs. 18.VIII.1974 inv. no. 11581, 11588, 11589, 11599, 11603, 11604, 11608; 1 spec. 30.VIII.1974 inv. no. 11597; 1 spec. 30.IX.1974 inv. no. 11613; 1 spec. 15.VII.1975 inv. no. 11606; Desa 1 spec. 25.VII.1974 11611; Drobeta Turnu Severin 1 spec. 14.X.19723 inv. no. 11587; Malu Mare 2 specs. 01.VIII.1975 inv. no. 11596, 11601; Prunet 2 specs. 15.IX.1972 inv. no. 11580, 11592; 1 spec. 26.VIII.1974 inv. no. 11583; 2 specs. 10.IX.1974 inv. no. 11602, 11610; 1 spec. 21.VIII.1975 inv. no. 11600; 1 spec. 06.VII.1977 inv. no. 11605.

*Stenobothrus lineatus* (Panzer 1796)

**Previous reports from the museum patrimony:** Bistra Mureșului (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material: 4 specs.:** Drobeta Turnu Severin 1 spec. 10.VI.1962 inv. no. 11883; Rînca 1 spec. 23.VIII.1963 inv. no. 11885; 1 spec. 25.VIII.1963 inv. no. 11884; 1 spec. 26.VIII.1963 inv. no. 11882.

#### Subfamily Oedipodinae

\**Acrotylus insubricus* (Scopoli 1786)

**Examined material - 67 specs.:** Craiova 1 spec. 20.V.1963 inv. no. 11847; 1 spec. 01.X.1972 inv. no. 11851; Craiova-Obedeau 2 specs. 15.VIII.1972 inv. no. 11788, 11841; 1 spec. 15.IX.1972 inv. no. 11798; 1 spec. 15.VI.1973 inv. no. 11787; 1 spec. 21.VII.1974 inv. no. 11846; 1 spec. 24.VII.1973 inv. no. 11838; 2 specs. 12.VIII.1973 inv. no. 11789, 11796; 2 specs. 25.VIII.1973 inv. no. 11805, 11809; 5 specs. 23.IX.1973 inv. no. 11786, 11799, 11836-11837, 11839; 1 spec. 10.VI.1974 inv. no. 11802; 1 spec. 17.VI.1974 inv. no. 11793; 3 specs. 18.VIII.1974 inv. no. 11812, 11849, 11853; 29 specs. 30.IX.1974 inv. no. 11800-118801, 11803-118804, 11806-118808, 11811, 11813-11819, 11821-118823, 11825-11827, 11829-11834, 11848, 11850; 1 spec. 15.VII.1975 inv. no. 11845; 1 spec. 20.VII.1975 inv. no. 11835; 1 spec. 10.VIII.1975 inv. no. 11820; 2 spec. 16.IX.1975 inv. no. 11810, 11843; Prunet 4 specs. 15.IX.1972 inv. no. 11792, 11794, 11797, 11852; 2 specs. 27.VII.1973 inv. no. 11791, 11795; 2 specs. 26.VIII.1974 inv. no. 11840, 11842; Plenița 1 spec. 25.VIII.1973 inv. no. 11824; Secui 1 spec. 06.X.1974 inv. no. 1 spec. 15.IX.1975 inv. no. 11844.

*Acrotylus longipes* (Charpentier 1845)

**Previous reports from the museum patrimony:** Craiova-Obedeau, Mischii, Prunet (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 81 specs.:** Craiova 1 spec. 20.V.1967 nr. inv.1196; 5 spec. 01.IX.1972 inv. no. 11953-11954, 11959, 11972; 1 spec. 15.IX.1972 inv. no. 11957; Craiova-Obedeau 5 specs. 15.VIII.1972 inv. no. 11956, 11968, 12010, 12012, 12016; 1 spec. 05.IX.1972 nr. inv.12013; 1 spec. 24.VII.1973 nr. inv.11961; 5 specs. 10.VIII.1973 nr. inv.11964, 11965, 11976, 11996, 12015; 3 specs. 23.IX.1973 nr. inv.11970, 11977, 11995; 1 spec. 21.VII.1974 inv. no.11950; 4 specs. 18.VIII.1974 inv. no.11986, 11989, 12017, 12019; 1 spec. 15.IX.1974 inv. no.12007; 37 specs. 30.IX.1974 inv. no. 11951-11952, 11955, 11963, 11966, 11969, 11971, 11973-11974, 11978-11982, 11984, 11988, 11990-11991, 11998-12004, 12009, 12011, 12014, 12020-24, 12026; 2 specs. 30.III.1975 nr. inv.11967, 11994; 2 specs. 20.VII.1975 inv. no. 11983, 11993; 2 specs. 10.VIII.1975 inv. no.11962, 12025; 2 specs. 15.VIII.1975 nr. inv. 11985, 11997; 1 spec. 20.VIII.1975 inv. no. 12008; 1 spec. 16.IX.1975 inv. no. 11992; Desa 2 specs. 25.VII.1974 inv. no. 12005, 12006; Prunet 1 spec. 15.IX.1972 inv. no. 11958; 1 spec. 10.IX.1974 inv. no. 11987; Secui 2 specs. 15.IX.1975 inv. no. 11949, 11975.

*Aiolopus strepens* (Latreille 1804)

**Previous reports from the museum patrimony:** Craiova, Craiova-Obedeau, Negoii, Pisculeț, Preajba (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 13 specs.:** Căpreni 1 spec. 01.IX.1964 inv. no. 11875; Craiova 1 spec. 20.VI.1964 inv. no. 11872; 3 specs. 10.VII.1964 inv. no. 11868, 11879, 11880; 1 spec. 08.VIII.1964 inv. no. 11877; 6 specs. 10.VIII.1964 inv. no. 11870, 11871, 11873-11874, 11876, 11878; 1 spec. 15.VIII.1964 inv. no. 11869.

\**Aiolopus thalassinus* (Fabricius 1781)

**Examined material - 13 specs.:** Craiova 1 spec. 26.VI.1964, inv. no. 11860; 2 specs. 10.VII.1964 inv. no. 11863, 11864; 1 spec. 08.VIII.1964 inv. no. 1856; 3 specs. 10.VIII.1964 inv. no. 11858, 11866, 11867; 1 spec.

19.IX.1964 inv. no. 11859; 1 spec. 27.VI.1965 inv. no. 11862; 1 spec. 25.VII.1970 inv. no. 11865; Craiova-Obedeauu 1 spec. 10.XI.1975 inv. no. 11855; Prunet 2 specs. 21.VII.1975 inv. no. 11857, 11861.

*Oedaleus decorus* (Germar 1826)

**Previous reports from the museum patrimony:** Ciuperceni, Craiova-Obedeauu (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 15 specs.:** Ciuperceni 1 spec. 20.VII.1976 inv. no. 11898; Craiova-Obedeauu 3 specs. 12.VIII.1973 inv. no. 11889, 11894, 11895; 1 spec. 18.VIII.1973 inv. no. 11888; Malu Mare 1 spec. 01.VIII.1975 inv. no. 11897; Plenița 2 specs. 25.VII.1973 inv. no. 11891, 11892; Prunet 2 specs. 10.IX.1974 inv. no. 11893, 11896; 3 specs. 27.VII.1975 inv. no. 11887, 11899, 11890; Secui 1 spec. 10.IX.1974 inv. no. 11886; 1 spec. 16.VIII.1975 inv. no. 11890.

*Oedipoda caerulescens* (Linnaeus 1758)

**Previous reports from the museum patrimony:** Craiova-Obedeauu, Cheile Galbenului, Prunet (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 49 specs.:** Bugiulești 1 spec. 10.VII.1964 inv. no. 11946; Căpreni 1 spec. 01.IX.1964 inv. no. 11945; Craiova 1 spec. 01.IX.1972 inv. no. 11906; 1 spec. 15.VII.1975 inv. no. 11918; Craiova-Obedeauu 1 spec. 23.IX.1963 inv. no. 11948; 1 spec. 15.VII.1973 inv. no. 11904; 2 specs. 24.VII.1973 inv. no. 11931, 11938; 1 spec. 10.VIII.1973 inv. no. 11930; 3 specs. 12.VIII.1973 inv. no. 11920, 11928, 11934; 1 spec. 23.IX.1973 inv. no. 11942; 1 spec. 07.VII.1974 inv. no. 11947; 3 specs. 21.VII.1974 inv. no. 11901, 11915, 11932; 2 specs. 18.VIII.1974 inv. no. 11909, 11929; 3 specs. 30.09.1974 inv. no. 11907, 11908, 11923; 1 spec. 20.VII.1975 inv. no. 11933; Dănciulești 1 spec. 08.IX.1974 inv. no. 11939; Desa 1 spec. 25.VII.1974 inv. no. 11916; Malu Mare 2 specs. 01.VIII.1975 inv. no. 1905, 11935; Plenița 1 spec. 25.VII.1973 nr. inv.11940; Prunet 1 spec. 15.IX.1972 inv. no. 11936; 1 spec. 10.IX.1974 inv. no. 11903; 8 specs. 27.VII.1975 inv. no. 11911-11914, 11919, 11924, 11926, 11941, 11943, 11944; 1 spec. 27.VIII.1975 inv. no. 11937; Secui 3 specs. 15.VII.1975 inv. no. 11917, 11925, 11927; 2 specs. 15.IX.1975 inv. no. 11910, 11922; 2 specs. 15.X.1975 inv. no. 11902, 11921.

### Superfamily Tetrigoidea

#### Family Tetrigidae

\**Depressotrix depressa* (Brisout de Barneville 1848) syn. *Tetrix depressa* Brisout de Barneville 1849

**Examined material - 12 specs.:** Craiova 1 spec. 14.IV.1974 inv. no. 11463; Craiova-Obedeauu 1 spec. 15.IX.1970 inv. no. 11459; 1 spec. 23.IV.1973 inv. no. 11468; 1 spec. 08.VII.1973 inv. no. 11470; 1 spec. 05.VIII.1973 inv. no. 11460; 2 specs. 25.VIII.1973 inv. no. 11462, 11469; 2 specs. 15.VIII.1975 inv. no. 11464, 11466; 1 spec. 18.VIII.1975 inv. no. 11465; Secui 2 specs. 01.VIII.1975 inv. no. 11461, 11467.

\**Tetrix bipunctata* (Linnaeus 1758)

**Examined material - 36 specs.:** Ciuperceni 1 spec. 20.VI.1976 inv. no. 11476; 1 spec. 20.VI.1976 inv. no. 11498; Craiova: 1 spec. 10.VII.1966 inv. no. 11486; 1 spec. 15.IX.1972 inv. no. 11502; Craiova-Obedeauu: 1 spec. 15.IX.1952 inv. no. 11493; 1 spec. 10.VII.1966 inv. no. 11486; 1 spec. 15.IX.1970 inv. no. 11488; 1 spec. 21.VII.1974 inv. no. 11503; 2 specs. 15.IV.1973 inv. no. 11481, 11499; 1 spec. 23.IV.1973 inv. no. 11505; 1 spec. 25.V.1973 inv. no. 11487; 1 spec. 10.VII.1973 inv. no. 11489; 3 specs. 25.VIII.1973 inv. no. 11471, 11494, 11495; 1 spec. 23.IX.1973 inv. no. 11492; 1 spec. 21.VII.1974 inv. no. 11503; 1 spec. 07.VIII.1974 inv. no. 11496; 3 specs. 18.VIII.1974 inv. no. 11474, 11483, 11497; 1 spec. 15.IX.1974 inv. no. 11473; 1 spec. 25.IX.1974 inv. no. 11491; 2 specs. 14.VI.1975 inv. no. 11482, 11506; 2 specs. 18.VII.1975 inv. no. 11478, 11479; 1 spec. 15.VIII.1975 inv. no. 11472; 1 spec. 15.IX.1975 inv. no. 11475; 1 spec. 16.X.1975 inv. no. 11484; Preajba: 1 spec. 22.VI.1973 inv. no. 11504; 1 spec. 29.IX.1973 inv. no. 11490; Secui: 2 specs. 10.IX.1974 inv. no. 11480, 11501; 1 spec. 16.IX.1975 inv. no. 11500.

*Tetrix bolivari* Saulcy 1901

**Previous reports from the museum patrimony:** Craiova, Craiova-Obedeauu, Preajba (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 4 specs.:** Craiova-Obedeauu 1 spec. 15.IV.1973 inv. no. 11444; 1 spec. 18.VIII.1974 inv. no. 11442; Preajba 1 spec. 15.IV.1973 inv. no. 11445; Secui 1 spec. 10.IX.1974 inv. no. 11443.

*Tetrix ceperoi* Bolivar 1887

**Previous reports from the museum patrimony:** Craiova-Obedeauu (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 7 specs.:** Ciuperceni 2 specs. 20.VII.1976 inv. no. 11447, 11450; Craiova-Obedeauu 1 spec. 15.VII.1973 inv. no. 11451; 1 spec. 18.VIII.1974 inv. no. 11446; 1 spec. 30.IX.1974 inv. no. 11449; 1 spec. 18.VI.1975 inv. no. 11448; Preajba 1 spec. 30.IX.1973 inv. no. 11452.

*Tetrix subulata* (Linnaeus 1758)

**Previous reports from the museum patrimony:** Preajba (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 9 specs.:** Craiova-Obedeauu 1 spec. 15.IV.1973 inv. no. 11434; 1 spec. 01.V.1973 inv. no. 11435; 2 specs. 10.V.1974 inv. no. 11436, 11437; 1 spec. 30.VIII.1974 inv. no. 11441; 2 specs. 15.IX.1974 inv. no. 11433, 11440; 1 spec. 30.IX.1974 inv. no. 11438; Preajba 1 spec. 23.IX.1973 inv. no. 11439.

*Tetrix tuerki* Krauss 1876

**Previous reports from the museum patrimony:** Craiova-Obedeauu (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 6 specs.:** Craiova-Obedeauu 1 spec. 10.VIII.1973 inv. no. 11453; 1 spec. 10.V.1974 inv. no. 11458; 1 spec. 01.VII.1974 inv. no. 11455; 2 ex. 15.IX.1974 inv. no. 11454, 11456; 1 spec. 30.IX.1974 inv. no. 11457.

Superfamily **Tridactyloidea**

Family **Tridactylidae**

*Xya pfaendleri* (Harz 1970) syn. *Tridactylus pfaendleri* Harz 1970

**Previous reports from the museum patrimony:** Ciuperceni, Craiova-Obedeau, Preajba (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 40 specs.:** Craiova-Obedeau 3 specs. 23.IX.1973 inv. no. 11429, 11430, 11432; 20 specs. 10.V.1974 inv. no. 11398-113403, 11408-114415, 11422-11427; 6 specs. 30.VI.1974 inv. no. 11395, 11396, 11404-11407; 6 specs. 06.VII.1974 inv. no. 11416-11421; 1 spec. 07.VII.1974 inv. no. 11394; 2 specs. 30.III.1975 inv. no. 11393, 11397; 1 spec. 15.VI.1975 inv. no. 11428; Prunet 1 spec. 12.VIII.1973 inv. no. 11431.

*Xya variegata* Latreille 1809 syn *Trydactilus variegata* Latreille 1809

**Previous reports from the museum patrimony:** Craiova-Obedeau (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 81 specs.:** Albești 1 spec. 11.IX.1973 inv. no. 11341; 2 specs. 14.IX.1973 inv. no. 11357, 11358; Cernele 1 spec. 15.IX.1977 inv. no. 11340; Craiova-Obedeau 1 spec. 15.VII.1967 inv. no. 11355; 1 spec. 15.IV.1973 inv. no. 11339; 1 spec. 01.V.1973 inv. no. 11359; 4 specs. 15.VI.1973 inv. no. 11388, 11389, 11342, 11391; 1 spec. 18.VII.1973 inv. no. 11353; 1 spec. 24.VII.1973 inv. no. 11386; 2 specs. 23.IX.1973 inv. no. 11325, 11392; 39 specs. 10.V.1974 inv. no. 11312-11323, 11327-11338, 11370-11384; 1 spec. 17.VI.1974 inv. no. 11385; 2 specs. 21.VI.1974 inv. no. 11366-11367; 3 specs. 30.VI.1974 inv. no. 11343, 11344, 11387; 3 specs. 07.VII.1974 inv. no. 11356, 11368, 11369; 6 specs. 07.VIII.1974 inv. no. 11360-11365; 7 specs. 30.III.1975 inv. no. 11345-11351; 1 spec. 30.IX.1975 inv. no. 11352; Ghindeni 1 spec. 12.VIII.1973 inv. no. 11326; Preajba 1 spec. 22.VI.1973 inv. no. 11354; Prunet 1 spec. 12.VIII.1973 inv. no. 1132; Secui 1 spec. 10.VIII.1973 inv. no. 11390.

**Suborder ENSIFERA**

**Superfamily Grylloidea**

**Family Gryllidae**

**Subfamily Gryllinae**

\**Eumodicogryllus bordigalensis* (Latreille 1804) syn. *Gryllus bordigalensis* Latreille 1804

**Examined material - 4 specs.:** Craiova 2 specs. 15.VI.1964 inv. no. 11302, 11303; 1 spec. 12.VIII.1964 inv. no. 11304; 1 spec. 10.VIII.1964 inv. no. 11305.

\**Melanogryllus desertus* (Pallas 1771) syn. *Gryllus desertus* Pallas 1771

**Examined material - 8 specs.:** Brașov 1 spec. 25.VI.1965 inv. no. 11294; Bucovăț 1 spec. 10.VI.1977 inv. no. 11301; Bugiulești 1 spec. 12.V.1964 inv. no. 11300; Craiova 1 spec. 15.VI.1965 inv. no. 11299; Țîntăreni 4 specs. 12.VII.1974 inv. no. 11295 – 11298.

**Subfamily Nemobiinae**

*Pteronemobius heydenii* (Fischer 1853)

**Previous reports from the museum patrimony:** Craiova-Obedeau (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 6 specs.:** Craiova-Obedeau 1 spec. 11.VIII.1974 inv. no. 11288; 1 spec. 20.VI.1975 inv. no. 11291; Secui 1 spec. 15.IX.1975 inv. no. 11293; 3 specs. 16.IX.1975 inv. no. 11289, 11290, 11292.

**Family Gryllotalpidae**

*Gryllotalpa gryllotalpa* (Linnaeus 1758)

**Previous reports from the museum patrimony:** Craiova (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 6 specs.:** Craiova 1 spec. 21.VII.1964 inv. no. 11310, 1 spec. 10.VI.1971 inv. no. 11311; Craiova-Obedeau 1 spec. 30.VI.1974 inv. no. 11309; 2 specs. 21.VII.1974 inv. no. 11307, 11308; 1 spec. 25.V.1975 inv. no. 11306.

**Superfamily Tettigonioidea**

**Family Conocephalidae**

\**Conocephalus fuscus* (Fabricius 1793)

**Examined material - 10 specs.:** Craiova 1 spec. 10.VI.1964 inv. no. 11273; 1 spec. 27.VII.1975 inv. no. 11268; Craiova-Obedeau 1 spec. 18.VIII.1974 inv. no. 11274; 1 spec. 28.V.1975 inv. no. 11272; Prunet 2 specs. 26.VIII.1974 inv. no. 11271, 11275; 1 spec. 21.VII.1975 inv. no. 11267; Secui 1 spec. 10.IX.1974 inv. no. 11276; 2 specs. 27.VII.1975 inv. no. 11269, 11270.

**Family Phaneropteridae**

\**Barbitistes constrictus* Brunner von Wattenwyl 1878

**Examined material - 1 spec.:** Rîncea 26.VIII.1963 inv. no. 11287.

\**Phanoptera nana* Fieber 1853

**Examined material - 3 specs.:** Craiova 1 spec. 25.VIII.1964 inv. no. 11265; 1 spec. 10.VIII.1966 inv. no. 11264; 1 spec. 05.IX.1972 inv. no. 11263.

**Family Tettigoniidae**

*Pholidoptera transsylvanica* (Fischer 1853)

**Previous reports from the museum patrimony:** Leamna (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 6 specs.:** Rîncea 4 specs. 23.VIII.1963 inv. no. 12027, 12028, 12031, 12032; 2 specs. 25.VIII.1963 inv. no. 12029, 12030.

*Platycleis (Platycleis) albopunctata grisea* (Fabricius 1781)

**Previous reports from the museum patrimony:** Bistra Mureșului (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 2 specs.:** Căpreni 1 spec. 25.VIII.1964 inv. no. 11281; Craiova 1 spec. 05.VIII.1966 inv. no. 11282.

*Platycleis affinis* Fieber 1853

**Previous reports from the museum patrimony:** Izvor, Mischii (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 4 specs.:** Craiova 1 spec. 10.VII.1964 inv. no. 11285; 1 spec. 20.VII.1964 inv. no. 11286; 1 spec. 15.VII.1966 inv. no. 11284; 1 spec. 13.VII.1967 inv. no. 11283.

\**Ruspolia nitidula* (Scopoli 1786) syn. *Homorocoryphus nitidula* (Scopoli 1786)

**Examined material - 1 spec.:** Craiova 25.VIII.1970 inv. no. 11266.

*Tettigonia viridissima* (Linnaeus 1758)

**Previous reports from the museum patrimony:** Craiova (TOGĂNEL & CHIMIȘLIU, 2005).

**Examined material - 4 specs.:** Bucovăț 1 spec. 20.IX.1981 inv. no. 11278; Craiova 1 spec. 10.VII.1964 inv. no. 11280; 2 specs. 03.VIII.1964 inv. no. 11277, 11279.

## DISCUSSIONS

The best represented family in terms of numbers (Fig. 1) is the Acrididae family, which sums up to 525 specimens of the 775 (Fig. 2), representing 67.74%. It is followed by the Tridactylidae family with 121 specimens (15.61%) and Tetrigidae with 74 specimens (9.55%). The other five families totalize 55 samples (7.10%).

Regarding the distribution of species in 8 families, the Acrididae family still owns most species – 20, followed by the families: Tetrigidae (6) Tettigoniidae (5) and Gryllidae (3). The Tridactylidae and Phaneropteridae families have 2 species each, and the Gryllotalpidae and Conocephalidae families are represented by a single species (Fig. 2). A similar situation is with the identified genera in the 8 families (Fig. 3).

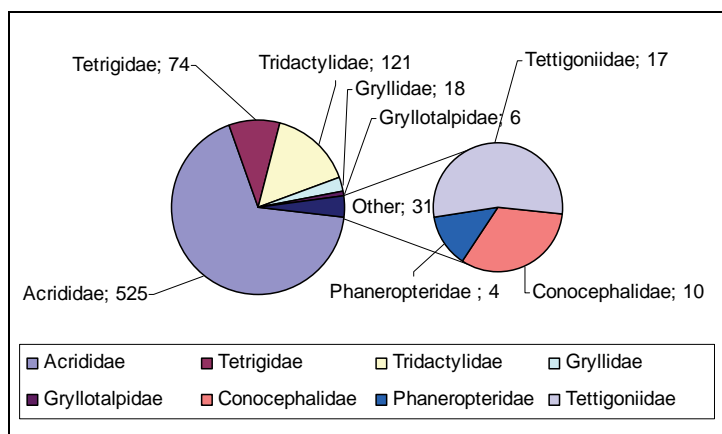


Figure 1. The numerical spectrum of the analysed specimens of Orthoptera.

The 13 newly identified collecting sites from Oltenia (Ciuperceni, Craiova, Craiova-Obedeau, Desa, Irimești, Preajba, Prunet, Rînca, Secui, Țițăreni) are added to the 22 previously mentioned sites (TOGĂNEL & CHIMIȘLIU, 2005). Presently, in the museum patrimony, we have specimens of Orthoptera collected in 45 sites from Oltenia. Thus, our data contribute to the extension of the area known to be inhabited by Orthoptera in Oltenia.

Comparing the 54 species previously reported from the museum patrimony with 40 identified species in the analyzed material, 27 species have been found again and 13 species are newly reported from the entomological heritage: *Miramella ebneri*, *Odontopodisma rubripes*, *Acrotylus insubricus*, *Aiolopus thalassinus*, *Depressotetrix depressa*, *Tetrix bipunctata*, *Eumodicogryllus bordigalensis*, *Melanogryllus desertus*, *Pteronemobius heydenii*, *Conocephalus fuscus*, *Barbitistes constrictus*, *Phaneroptera nana*, *Ruspolia nitidula*.

Compared to the total number of the identified species (182) in the fauna of Romania (IORGU et al., 2008), the 40 identified species represent 21.98%.

Adding these species to those previously reported (TOGANEL & CHIMIȘLIU), the number of species of Orthoptera known from the museum patrimony amounts to 67 species from a total of 114 species listed in fauna of Oltenia (IORGU et al., 2008), which means 58.77%. Compared to the 182 species listed in the Romanian fauna (IORGU et al., 2008), 67 species are approx. 36.81%.

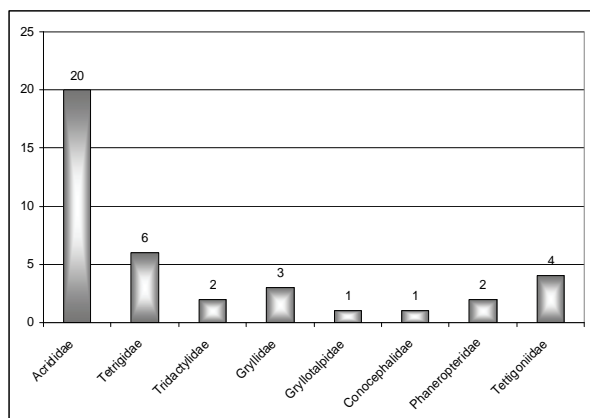


Figure 2. The numerical spectrum of species.

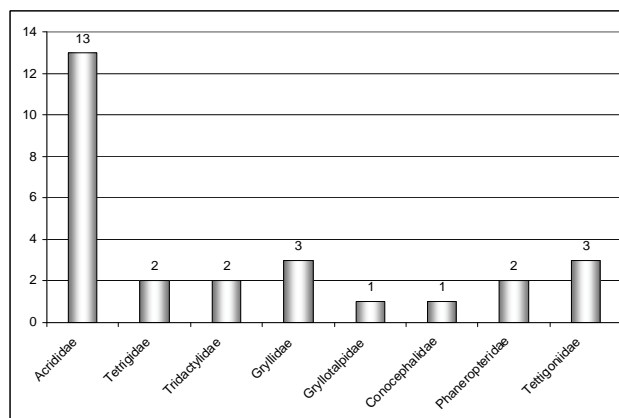


Figure 3. The numerical spectrum of genera.

Note that in the analysed material we found two rare species: *Pholidoptera transsylvanica* – Carpathian element rarely seen at the smaller heights and the *Tetrix tuerki* species – less widespread species that occurs localized.

The invasive species *Calliptamus italicus* was also identified. It was collected during the years 1964-1979, in 4 sites located in Dolj (Craiova, Craiova-Obedeau, Prunet) and Gorj (Căpreni) Counties.

### CONCLUSIONS

Currently (2014), in the museum patrimony we have 67 species of Orthoptera from the fauna of Oltenia, representing 58.77% of the species identified in the fauna of Oltenia and approx. 36.81% of the Orthoptera fauna of Romania (IORGU et al., 2008).

Given that Oltenia represents approx. 11% of Romania-surface and the fact that in the museum patrimony we still have specimens of Orthoptera that have not yet been determined and published, we believe that their diversity is higher.

The results contribute to a better understanding of the Orthoptera diversity and their habitat in Oltenia fauna and implicitly in Romania.

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