HETEROPTERIAN DIVERSITY (INSECTA: HETEROPTERA) IN THE "PRUTUL-DE-JOS" SCIENTIFIC RESERVE

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Abstract. *In the scientific reserve „Prutul-de-Jos", 77 species of bugs belonging to 14 families. The most numerous groups are represented by Heteroptera, which live on the steppe and meadow vegetation.*

Keywords: *"Prutul-de-Jos" Reserve, heteropterian diversity, biotopical distribution.*

Rezumat. Diversitatea heteropterelor (Insecta: Heteroptera) în Rezervaţia Ştiinţifică „Prutul-de-Jos". *În rezervaţia ştiinţifică „Prutul-de-Jos" au fost semnalate 77 specii de heteroptere din 14 familii. Cele mai numeroase grupuri sunt heteropterele care trăiesc pe vegetaţia stepicolă şi de luncă.*

Cuvinte cheie: *Rezervaţia „Prutul-de-Jos", diversitatea heteropterelor, distribuţia biotopică.*

INTRODUCTION

The scientific reserve "Prutul-de-Jos" was created in 1991 with the purpose of preserving the flora and fauna of lake Beleu and the most representative associations around it. The reserve has an area of 1,691 hectares and it is located along the lower course of the Prut, between the villages of Valeni and Slobozia-Mare of Kahul area.

The largest part of the reserve (1,000 hectares) is covered by the lake, a flooded wood and water meadows. On the slopes adjoining to the reserve, the steppe vegetation typical for the south of the republic was preserved.

270 species of vascular plants, basically from the families Asteraceae and Poaceae have been identified in the flora of the reserve. The inundated wood is formed of two kinds of willows - *Salix alba* and *S. fragilis* (POSTOLACHE & CHETROI, 1997).

Till now, in the reserve there were not made special entomological researches, therefore the present paper represents a scientific interest.

MATERIAL AND METHODS

As material for the present paper we have used the entomological gathering of the author made between 2002 and 2007 within the territory of the reserve and adjoining sites (a transitive zone). Water species of bugs were caught by means of special entomological net and ground Heteroptera were collected also by means of the exhauster.

RESULTS AND DISCUSSIONS

As a result of our researches 77 species of bugs from 14 families have been registered on the territory of the reserve. The most numerous species were found on meadow and steppe vegetation (Table 1).

Table 1. Biotopical distribution of heteropterian species within the "Prutul-de-Jos" reserve.
Tabel 1. Distribuţia biotopică a speciilor de heteroptere în rezervaţia „Prutul-de-Jos".

	Families and Species	Biotope			
		Water area of lake	Trees and bushes	Wet meadow	Steppe vegetation
I	**Fam. CORIXIDAE**				
1	*Hesperocorixa linnaei* (FIEBER 1848)	+	-	-	-
2	*Sigara falleni* (FIEBER 1848)	+	-	-	-
3	*S. lateralis* (LEACH 1817)	+	-	-	-
4	*S. striata* (LINNAEUS 1758)	+	-	-	-
II	**Fam. GERRIDAE**				
1	*Gerris argentatus* SCHUMMEL 1832	+	-	-	-
2	*G. lacustris* (LINNAEUS 1758)	+	-	-	-
3	*G. odontogaster* (ZETTERSTEDT 1828)	+	-	-	-
III	**Fam. SALDIDAE**				
1	*Saldula opacula* (ZETTERSTEDT 1838)	-	-	+	-
2	*S. pilosella* (THOMSON 1871)	-	-	+	-

IV	**Fam. NABIDAE**				
1	*Nabis pseudoferus* REMANE 1949	-	-	+	-
2	*N. punctatus* A. COSTA 1847	-	-	+	+
V	**Fam. ANTHOCORIDAE**				
1	*Orius niger* (WOLFF 1804)	-	-	+	+
VI	**Fam. MIRIDAE**				
1	*Deraeocoris serenus* (DOUGLAS & SCOTT 1868)	-	-	+	-
2	*Adelphocoris lineolatus* (GOEZE 1778)	-	-	+	+
3	*A. ticinensis* (MEYER-DÜR 1843)	-	-	+	-
4	*Agnocoris reclairei* WAGNER 1949	-	+	-	-
5	*A. rubicundus* (FALLEN 1807)	-	+	-	-
6	*Phytocoris insignis* REUTER 1876	-	-	-	+
7	*Lygus gemellatus* (HERRICH-SCHAEFFER 1836)	-	-	-	+
8	*L. pratensis* (LINNAEUS 1758)	-	-	-	+
9	*L. rugulipennis* POPPIUS 1912	-	-	+	+
10	*Orthops campestris* (LINNAEUS 1758)	-	-	+	-
11	*Polymerus vulneratus* (PANZER 1806)	-	-	+	-
12	*Stenodema calcarata* (FALLEN 1807)	-	-	+	-
13	*Teratocoris antennatus* (BOHEMAN 1852)	-	-	+	-
14	*Trigonotylus caelestialium* (KIRKALDY 1902)	-	-	+	-
15	*T. ruficornis* (GEOFFROY 1785)	-	-	-	+
16	*Halticus apterus* (LINNAEUS 1758)	-	-	+	-
17	*Globiceps sphegiformis* (ROSSI 1790)	-	-	+	-
18	*Ortotylus flavosparsus* (C. SAHLBERG 1842)	-	-	+	-
19	*Systellonotus triguttatus* (LINNAEUS 1767)	-	-	+	-
20	*Megalocoleus molliculus* (FALLEN 1807)	-	-	+	-
21	*M. naso* (REUTER 1879)	-	-	+	-
22	*Oncotylus setulosus* (HERRICH-SCHAEFFER 1837)	-	-	-	+
23	*Europiella artemisiae* (BECKER 1864)	-	-	-	+
24	*E. alpina* (REUTER 1875)	-	-	+	-
25	*Campylomma annulicorne* (SIGNORET 1865)	-	+	-	-
26	*Chlamydatus pullus* (REUTER 1870)	-	-	+	-
27	*Plagiognathus bipunctatus* REUTER 1883	-	-	+	-
28	*P. chrysanthemi* (WOLFF 1804)	-	-	+	-
29	*Salicarus roseri* (HERRICH-SCHAEFFER 1838)	-	+	-	-
VII	**Fam. TINGIDAE**				
1	*Agramma atricapillum* (SPINOLA 1837)	-	-	+	-
2	*A. confusum* (PUTON 1879)	-	-	+	-
3	*Copium clavicorne* (LINNAEUS 1758)	-	-	-	+
4	*Lasiacantha capucina piligera* (GARBIGLIETTI 1869)	-	-	-	+
5	*Oncochila scapularis* (FIEBER 1844)	-	-	-	+
6	*Tingis ampliata* (HERRICH-SCHAEFFER 1838)	-	-	+	-
7	*T. auriculata* (A. COSTA 1847)	-	-	+	-
8	*T. pilosa* HUMMEL 1825	-	-	+	-
VIII	**Fam. PIESMATIDAE**				
1	*Parapiesma kochiae* (BECKER 1867)	-	-	-	+
IX	**Fam. BERYTIDAE**				
1	*Berytinus montivagus* (MEYER-DÜR 1841)	-	-	-	+
X	**Fam. LYGAEIDAE**				
1	*Nysius helveticus* (HERRICH-SCHAEFFER 1850)	-	-	-	+
2	*N. cymoides* (SPINOLA 1837)	-	-	-	+
3	*N. senecionis* (SCHILLING 1829)	-	-	+	+
4	*Ortholomus punctipennis* (HERRICH-SCHAEFFER 1838)	-	-	-	+
5	*Cymus claviculus* (FALLEN 1807)	-	-	+	-
6	*C. melanocephalus* FIEBER 1861	-	-	+	-

7	*Geocoris erythrocephalus* (LEPELETIER & SERVILLE 1825)	-	-	-	+
8	*Chilacis typhae* (PERRIS 1857)	-	-	+	-
9	*Holcocranum saturejae* (KOLENATI 1845)	-	-	+	-
10	*Heterogaster artemisiae* SCHILLING 1829	-	-	-	+
11	*Microplax interrupta* (FIEBER 1837)	-	-	+	-
12	*Oxycarenus pallens* (HERRICH-SCHAEFFER 1850)	-	-	+	+
13	*Beosus quadripunctatus* (MÜLLER 1766)	-	-	+	+
14	*Peritrechus geniculatus* (HAHN 1832)	-	-	+	-
15	*P. gracilicornis* PUTON 1877	-	-	+	-
16	*Raglius alboacuminatus* (GOEZE 1778)	-	-	+	-
XI	**Fam. RHOPALIDAE**				
1	*Brachycarenus tigrinus* (SCHILLING 1829)	-	-	-	+
XII	**Fam. PLATASPIDAE**				
1	*Coptosoma scutellatum* (GEOFFROY 1785)	-	-	+	+
XIII	**Fam. SCUTELLERIDAE**				
1	*Eurygaster testudinaria* (GEOFFROY 1785)	-	-	+	-
XIV	**Fam. PENTATOMIDAE**				
1	*Graphosoma lineatum* (LINNAEUS 1758)	-	-	+	+
2	*Aelia acuminata* (LINNAEUS 1758)	-	-	+	+
3	*Antheminia lunulata* (GOEZE 1778)	-	-	+	-
4	*Dolycoris baccarum* (LINNAEUS 1758)	-	-	+	-
5	*Carpocoris pudicus* (PODA 1761)	-	-	-	+
6	*Eurydema oleracea* (LINNAEUS 1758)	-	-	+	+
6	*E. ornata* (LINNAEUS 1758)	-	-	+	+
7	*Ventocoris trigonus* (KRYNICKI 1871)	-	-	-	+
	Number of species	**7**	**4**	**48**	**31**

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