

Pamić, J., Lanphere, M. (1991): Geol Ljubljana, 34: 81-253.

## Sarmatian ostracods from the Preutești area, Suceava County, Romania (Moldavian Platform)

Sergiu-Adi Loghin

„Alexandru Ioan Cuza” University of Iași, Romania (loghin\_sergiu@yahoo.com)

The studied area is situated in the north-western part of the Moldavian Plateau, within the basin of the Șomuzul Mare, a tributary of the Siret River (Fig. 1).

We have analysed 10 samples collected from the natural outcrops of the Logofătu, Gheorghe and Muscalu Brooks, more precisely from the sandy clay deposits that are part of the Arghira Member, Șomuz Formation (Ionesi, 2006).

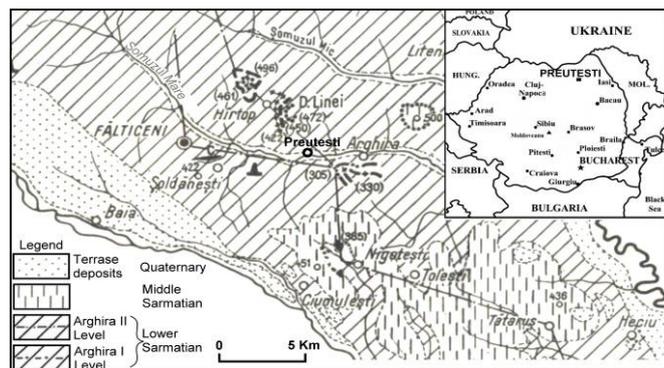


Fig. 1: The location of studied area (after Ionesi, 1968).

The ostracods of this area have been studied by Ionesi & Chintăuan (1978). The two authors described 20 ostracod taxa found in the outcrops of the Muscalu brook, in the sandy clay deposits between the levels Arghira I and Arghira II of the Arghira Member.

In the present study, 24 ostracod taxa have been identified. Among these, *Cyprideis pannonica* (Méhes, 1908), *Cyprideis mataschensis* Gross, (2008), *Bythocypris arcuata* (Münster, 1830), *Cyamocytheridea leptostigma leptostigma* (Reuss, 1850), *Loxoconcha minima* (Müller, 1894), *Leptocythere mironovi* (Schneider, 1939) are the most frequent.

A number of 18 taxa are mentioned for the first time in the area (table 1). The fauna was determined using the following works: Carbonnel G., (1969), Cernajsek T., (1974), Gross M., (2002), Ionesi & Chintăuan (1978), Müller, (1894) and Tóth, (2008).

No.	Taxa
1	<i>Amniccythere tenuis</i> (Reuss, 1850)
2	<i>Aurila (Euaurila) notata</i> (Reuss, 1850)
3	<i>Bythocypris arcuata</i> (Münster, 1830)
4	<i>Bythocypris pappi</i> Cernajsek, 1974
5	<i>Candona bitruncata</i> Carbonnel, 1969
6	<i>Cyamocytheridea derii</i> (Zalányi, 1913)
7	<i>Cyamocytheridea leptostigma leptostigma</i> (Reuss, 1850)
8	<i>Cytheridea hungarica</i> Zalányi, 1913
9	<i>Cyprideis sublitoralis</i> Pokorný, 1952
10	<i>Cyprideis mataschensis</i> Gross, 2008
11	<i>Euxinocythere (Euxinocythere) praebosqueti</i> (Suzin, 1956)
12	<i>Fabaeformiscandona pokornyi</i> (Kheil, 1964)
13	<i>Henryhowella asperima</i> (Reuss, 1850)
14	<i>Loxocorniculum hastatum</i> (Reuss, 1850)
15	<i>Loxocorniculum schmidi</i> (Cernajsek, 1974)
16	<i>Miocyprideis janoscheki</i> Kollman, 1958
17	<i>Miocyprideis sarmatica</i> (Zalányi, 1913)
18	<i>Potamocypris gracilis</i> (Sieber, 1905)

Table 1: The ostracod taxa mentioned for the first time in samples collected from the outcrops of the Preutești area.

Carbonnel, G. (1969): Doc Lab Geol Fac Sci de Lyon: pp. 469. (in French)

Cernajsek, T. (1974): Chronostratigraphy and Neostatotype Miocene of the Central Paratethys IV: 458 – 491. (in German)

Gross, M. (2002): Middle Miocene ostracods from the Vienna Basin (Badenian/Sarmatian, Austria), Institute of Geology and Paleontology of Karl-Franzens University of Graz, pp. 343. (in German)

Gross, M., Minati K., Danielopol D.L., Pillier W.E. (2008): Senckenbergiana lethaea, 88: 161-181.

Ionesi, B. (1968): The stratigraphy of Miocene platform deposits located between the valleys of the Siret and Moldova rivers, Ed Roman Acad, Bucharest, pp. 395. (in Romanian)

Ionesi, B., Chintăuan I. (1978): Ann Nat Sc Mus Piatra Neamț, Geol-Geogr Ser: 205 – 225. (in Romanian)

Ionesi, V. (2006): The Sarmatian between the valleys of the Siret and Șomuzul Mare rivers, Ed "Alexandru Ioan Cuza" Univ, Iași, pp. 237. (in Romanian)

Müller, G. W., (1894): Fauna and Flora of the Bay of Naples, Monographie I-VII: 1-404. (in German)

Tóth, E. (2008): Geol Pannon, 36: 101-151.