

## Contribution to the knowledge of the gastropods (Gastropoda, Pulmonata) of Ilinska and Plakinska Mountains (Republic of Macedonia)

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**Abstract:** The work presents results of a collecting trip in July 2008 in the mountains Ilinska and Plakinska (Republic of Macedonia). The work summarizes data for distribution and ecology of 19 species from the mountains. The data collected during the expedition provide the first information for terrestrial gastropods in this region of Macedonia.

**Key words:** terrestrial gastropods, fauna, Ilinska and Plakinska mountains, Republic of Macedonia.

### Introduction

Ilinska Planina Mountains is a comparatively high mountain among the medium-high mountains in Macedonia. The highest peak of the mountain is Liska (1908 m). Ilinska Mountain has a complex geology, the bedrock is generally composed of Devonian marbles and phylitic schist which is similar to other medium-high mountains in this broader region. Ilinska Mts. is characterized by moderate continental climate and mountainous climate on its upper parts. Average altitude is 1159 m, total area 293.65 km<sup>2</sup> (Melovski *et al.* 2013).

Plakenska Planina Mts. represents the middle part of the Ilinska Planina Mts.-Plakenska Planina Mts.-Bigla Range. Unlike Ilinska Planina Mts. on the north, Plakenska Planina Mts. is almost exclusively composed of silicate bedrock. Moderate continental climate is dominant in the region, and mountainous climate prevails on higher elevations. Average altitude is 1288 m, total area 191.57 km<sup>2</sup> (Melovski *et al.* 2013).

For both mountains there is no information for the gastropods' fauna. In the course of the collecting trip, a new gastropod species was found, described by Dedov & Subai (2012) (*Gyralina nautilopsis*, Dedov & Subai, 2012).

### Material and Methods

The materials were collected in 2008 (Tab. 1). The snails were collected by hand and soil-sifting. The material is deposited in the private collection of the author. The localities are presented in tab. 1. Used abbreviations: ad. – adult, juv. – juvenile, d. – dead, l. – alive.

## Results and Discussion

The collected specimens are presented in Tab. 2. All findings are new to the region and the first registered gastropods for both mountains. The knowledge for those regions is fragmented and scarce and any summaries will be too preliminary.

**Tab. 1.** Visited localities in the mountains Ilinska and Plakinska, Republic of Macedonia, VII 2008, leg. I. Dedov (№5, leg. G. Ivanov, №8, leg., S. Hristovski and I. Dedov).

No	locality	habitat	Altitude (m)
<b>Ilinska Mts</b>			
1.	Road-fork to vill. Golemo Ilino, Zli Dol River Gorge	<i>Carpinus</i> , <i>Quercus</i> forest	800 – 820
2.	Strumna area	limestone meadows	1692 – 1846
3.	Strumna area	<i>Fagus</i> forest, in rotten trunks	1700 – 1750
4.	Area of Ilinska Tsurkva	<i>Fagus</i> forest	1550
5.	Plosh area	<i>Fagust</i> forest, wet stones	1200 - 1350
6.	Near cave Yaorets	limestones	1030
7.	Iglar area	limestone rocks, under stones	1550
<b>Plakenska Mts</b>			
8.	Up to village Sloeshtitsa, in and around Zmeyova Cave	Deciduous forest on limestone base	950

**Tab. 2.** Terrestrial gastropod species from the mountains Ilinska and Plakinska, Republic of Macedonia (in alphabetic order). The numbers of localities correspond with those in Table 1.

No	species	localities (specimens)
1.	<i>Allaegopis skandergianus</i> (Polinski, 1924)	3 (1 juv. / 1.)
2.	<i>Bulgarica vetusta</i> (Rossmässler, 1836)	8 (8 ad. / 1.)
3.	<i>Candidula rhabdotoides</i> (A.J. Wagner, 1928)	4 (1 ad. / 1.)
4.	<i>Chilostoma (Dinarica) serbica</i> (Kobelt, 1872)	3 (3 ad. / 1.)
5.	<i>Chondrulara microtragus</i> (Rossmässler, 1839)	4 (1 ad. / d.)
6.	<i>Daudebardia rufa</i> (Draparnaud, 1805)	3 (3 ad. / 1.)
7.	<i>Deroceras</i> af. <i>turcicum</i> (Simroth, 1894)	3 (2 ad. / 1.)
8.	<i>Gyalina (Gyalina) nautilopsis</i> Dedov & Subai, 2012 (locus typicus)	7 (2 ad. / d., 5 juv. / d.)
9.	<i>Gyalina (Gyalina)</i> cf. <i>velkovrhi</i> Riedel, 1985	8 (3 ad. / d.)
10.	<i>Helix lucorum</i> Linnaeus, 1758	4 (1 ad. / 1.), 6 (2 ad. / 1.)
11.	<i>Jamina quadridens</i> (Müller, 1774)	4 (1 ad. / 1.)
12.	Limacidae	5 (1 juv. / 1.)
13.	<i>Monacha</i> sp.	1 (1 ad. / d.)
14.	<i>Oxychilus</i> cf. <i>glaber</i> . (Rossmässler, 1835)	1 (1 juv. / d.), 8 (3 juv. / 1., 2 ad. / d.)
15.	<i>Tandonia</i> sp.	3 (1 juv. / 1.)
16.	<i>Triloba thaumasia</i> (Sturany, 1907)	3 (7 ad. / 1.)
17.	<i>Vitrina pellucida</i> (Müller, 1774)	5 (1 ad. / 1.)
18.	<i>Xerolenta obvia</i> (Menke, 1828)	2 (9 ad. / 1.), 4 (10 ad. / 1.)
19.	<i>Zebrina detrita</i> (Müller, 1774)	4 (2 ad. / 1.)

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### References

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