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NEW AND RARE PLANTS FOR THE GEOPARK PLATOUL MEHEDIŢI (OLTENIA, ROMANIA)

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Abstract: In this preliminary paper we consider a total of 81 species from the Geopark Platoul Mehedinţi, Mehedinţi County, Oltenia, of which 27 are new for the historical region of Oltenia.

Keywords: rare plants, protected area, taxonomy, chorology, karst.

Introduction

The Geopark Platoul Mehedinţi is the newest protected area of Mehedinţi County, according to the County Council (HG. no. 2151/30.11.2004). It is located in the south-west of Romania, to the north of Drobeta-Turnu Severin, and has a surface area of 106,000 ha.

Morphologically, in Mehedinţi County three types of relief can be distinguished, representing the mountain plateau and plain areas, which descend from N-W to S-E. To the east of Valea Cernei one encounters the Munţii Mehedinţi peaks (maximum altitude 1463 m); these topographical formations descend to the Depresiunea Baia de Aramă.

In the eastern mountain part of Mehedinţi one can distinguish the Podişul Mehedinţi area, represented by the Motru and Topolniţei hilly peaks, with heights varying from 700 to 400 m, marking the transition to the plains. The lower level of relief (400–200 m), which occupies the largest area in the south-eastern part of the county, is the Câmpia Blahniţei-Drincei.

The hydrographic network is represented in the Mehedinţi County part of the Danube, which collects in the west the rivers Bahna, Blahniţa, Topolniţa and Drincea. The Huşniţa and Coşuştea Rivers are collected by the Valea Motrului, which flow into the Jiu River.

In the Geopark Platoul Mehedinţi, the underground limestone entry barrier traps almost all the rivers coming from the west. Downstream of the point of capture remain dry valleys, forming over time opposing defiles, as in the case of the rivers Topolniţa, Ponorăţ, Ponor, etc. Upstream from the river-capture pronounced alluvial plains have developed, extending hundreds of feet across, forming depressions with enclosed flat bottoms and the general appearance of poljes. The most typical phenomenon of this kind is the village next to the Ponoarele hydrokarstic system, leading to the Zăton and Ponoarele depressions [1, 2, 3].

From a geological point of view, this area of the county consists of sedimentary, metamorphic and igneous formations from the Danubian domain of the Carpathians and the Getic Depression (hilly areas and plains). The Mehedinţi County mountain area is a classic place where indigenous crystalline formations can be observed, whereby Danubian domain formations (over which lie Mesozoic sedimentary deposits) are embedded in a “şariaj” thrust crystalline formation (Sebeş type) of the Getic domain, in turn overlain by Mesozoic sediments. Two patches of “şariaj” thrust layer are especially visible in the Bahna and Porţile de Fier (Iron Gates) areas.

The unique geological structure of this area has produced numerous geomorphological formations and caves (known for their size and ornamentation, such as the caves of Topolnița, Epuran, Bulba, Gramei, Isverna, etc.).

Vegetation. Lithological constitution has an important role in the present configuration of species diversity and vegetation structure. Limestones are greatly prominent, providing optimal conditions for many plants, and karst phenomena too are developed (Podul Natural Ponoarele caves: Isverna, Topolnița, growing limestone cones, the Coșuștei waterfall rivalling those of Beusnița, etc.). We found ourselves in an aven at Giurgiani, unexplored until now.

By its geographical position, the vegetation formation lies at the transition of forests of beech and oak.

Ancient and continuous human population of these natural areas has caused significant changes to the surface structure and the floristic composition of the vegetation. Cleared forest lands were replaced by meadows and cultivated agricultural land, but with low yield. Forests are present more to the east of the plateau. In the Coșuștei valley and its tributaries, roads have facilitated the clearing of forest and establishing on the site plantations of black spruce and pine. Representative forest areas of beech, fir and pine that have remained unaffected by felling occur still in the valleys of the Criva and Lăpușnicului (tributaries of the Coșuștea River), and Borovățului (tributary of the Topolnița River). In the south-west of the plateau can be found forests of downy oak, hornbeam, lime, and even hackberry (*Celtis*) at Valea Topolniței and the hill slope that descends to the Danube. In the Topolniței and Coșuștei valleys occurs abundant lilac scrub, which local people have come to respect with their traditional annual celebration held in the first ten days of May, in Ponoarele, Balta and Nadanova.

We can also find dry meadows of *Chrysopogon gryllus*, *Danthonia alpina*, *Vulpia myuros*, *Festuca dalmatica*, etc.

History of botanical research in the Geopark

The oldest botanical information from the Geopark of course belongs to the local people. Ethnobotany is a little explored facet of the Geopark and we intend to look into this in the future. We know of few works devoted to this subject with information from the Geopark. Some interesting names are found in the work of E. Țopa (1946) [30]. From our survey in several locations in the Geopark, it appears that further information is still quite lacking in this area.

The first scientific information on the flora of the area of the Geopark was recorded in the late 19th century. The distinguished botanists Borbás, Simonkai and Degen indicated or collected several rare plants from Hâncea Camena ("just on the border") as its specific [4, 5, 6, 7]. Later Soó (1928) [26] collected plants in Hâncea Camena, also A. Degen & L. Simonkai [BP] [27].

Before 1898, the great Romanian botanist Dimitrie Grecescu investigated north of the Geopark, noting in the summary some very interesting plants [9, 10].

Erasmus Julius Nyárády did not carry out botanical research in the Geopark, but listed a few plants there. His former companion J. Șt. Păunescu collected plants, and sent them to Cluj [15].

Alexandru Borza was interested in botanical research in the Bobaița Dacian fortress, describing the flora there [8].

He attended school from Craiova, founded by Professor Alexandru Buia. He, together with some of his students, published several plants from the Geopark [16, 17, 18, 19, 20], and one of his students [13] carried out his PhD thesis on the flora of the upper Motru River, touching our territory in passing.

More plants and fungi have been published in Flora Olteniae Exsiccata [19, 20, 21, 22], also seeds were collected for the Botanic Garden of Craiova.

At the request of the Geopark Management (Manager Meilescu Cornel), Antipa Museum has carried out extensive research in the area. One of the present authors (G. Negrean) was part

of the team, making a number of collections at several points, concentrating on important areas. The results were not published, but some of the great rarities of the area, including some new to Romania, were presented at a session at the University of Iaşi and published in summary form. In the present paper, as in several that will follow, are detailed descriptions of these data.

Few works have been devoted to the botany of the Geopark. These have focused particularly on the flora and vegetation of the Liliac Ponoarele forest [23, 24], or the study of the flora and vegetation of the Ponoarele area [14]. A book with an interesting objective was that of Borza, dedicated to flora of the Bobaiţa archaeological site [8].

Materials and Methods

Observations were made in many sites of the Geopark during different seasons, from April to November. We made several lists of plants, with those that could not be identified in the field collected and assembled for determination in the laboratory. Plants of particular chorological interest or that are taxonomically critical have been deposited in national herbaria. Herbarium abbreviations follow Holmgren *et al.* [11]. Nomenclature follows the Romanian Flora [25], *Flora Europaea* [28, 29], and other works of modern taxonomy, including on the Internet [31, 32, 33]. Plants were listed alphabetically, from N to S and from left to right. Photos were taken at the site and in the laboratory (Ioana Ciortan).

Note that we account for whether a plant has not been reported for over 50 years. Species cited for the first time from the Oltenia region are marked with a dot (●) before the species name.

Species that are apparently new to Romania, where literature was available, will be treated in independent articles.

Results and Discussion

The following species were of particular interest:

Alyssoides utriculata (L.) Medicus – Munţii Mehedinţi, Colţii Pietrei, 13 VIII 1994, G. Negrean [BUC] (Negrean & Dihoru 2009: 42). Podeni W, Muntele Camena, Valea Izvorul Camenei, in *saxosum*, 44°54'12.596"N, 22°29'29.455"E, alt. circa 800 m, 9 VI 2010, G. Negrean. Idem, vers. S, 44°53'52.320"N, 22°29'28.051"E, alt. circa 920 m, 15 VI 2010, G. Negrean [CL]. Idem, in *abruptis*, *Seslerietum*, 44°54'14.248"N, 22°29'42.417"E, alt. circa 870 m, 22 VII 2010, G. Negrean [BUC; CL]. Idem, supra Izbucul Camenei, 9 VI 2010, G. Negrean [BUC], 22 VII 2010, G. Negrean [BUC; CL].

Antennaria dioica (L.) Gaertn. – Munţii Mehedinţi, Gornenţi NW, ad pedem Montes Ciolanul Mare, in *Fagetum*, 44°55'43.155"N, 22°31'00.264"E, alt. circa 900 m, 9 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]; Idem, 44°56'43.248"N, 22°32'41.274"E, alt. circa 950 m, 10 VI 2010, G. Negrean.

Anthemis macrantha Heuffel – Munţii Mehedinţi, ad pedem montes Vârful lui Stan, in *foenatis*, 45°08'.."N, 22°43'.."E, 7 VII 2006, G. Negrean (7541).

Anthriscus nemorosa (M. Bieb.) Spreng. – Munţii Mehedinţi, Muntele Camena, vers. S, 44°53'52.320"N, 22°29'28.051"E, alt. circa 920 m, 15 VI 2010, G. Negrean [CL]. Gornenţi, centrum, 44°54'48.347"N, 22°32'45.343"E, alt. circa 610 m, 9 VI 2011, I. Ciortan & G. Negrean. Podeni N, ramus ad Camena, in *herbosis*, 44°53'44.953"N, 22°32'27.525"E, alt. circa 430, 9 VI 2010, G. Negrean. Cireşul NE, ad oram speluncae Peştera Topolniţei, 44°49'10.342"N, 22°33'53.286"E, alt. circa 425 m, 17 IV 2007, G. Negrean [HGN]; idem, 6 V 2011, Ioana Ciortan & G. Negrean (GN: 15.049) [CL; CRAI].

Asperula tinctoria L. subsp. *hungarorum* (Borbás) Soó – Munţii Mehedinţi: Isverna W, "La Potcoava", in *herbosis*, 26 VIII 2007, G. Negrean (N 9998, 10.045). Isverna, Geanţ (Potcoava), sub parietibus in sinistrum, 44°59'23.137"N, 22°36'33.519"E, alt. circa 850 m, 13 IX 2009, G. Negrean. Isverna SW, Giurgiani W, at Piatra Pinilor, in *saxosis*, 24 VIII 2007, G. Negrean (9983).

● *Asyneuma canescens* (Waldst. & Kit.) Griseb. & Schenk – Munții Mehedinți, Gornenți NW, Muntele Ciolanul Mare, serpentinites, 44°56'00.417"N, 22°30'40.859"E, alt. 1000 m, 23 VIII 2010, G. Negrean.

● *Bromus riparius* Rehmman s. l. – Munții Mehedinți: Isverna W, Cănișa NNW, sub Muntele Fața Satului, in saxosis, 44°58'54.570"N, 22°36'14.312"E, alt. 810 m, 10 IX 2009, G. Negrean. Giurgiani W, Cornetul cu pini, 28 VII 2007, G. Negrean. Gornenți NW, Muntele Ciolanul Mare, 44°55'50.684"N, 22°30'56.384"E, alt. 920 m, 23 VIII 2010, G. Negrean [BUC; CL].

● *Bupleurum praealtum* L. – Motrul Sec NW, Valea Motrul Sec, 45°04'20"N, 22°46'02"E, alt. 400 m, 28 IX 1983, G. Negrean [BUCM 79.645]. Podișul Mehedinți, Cireșul E, Polia Cireșul, ut Peștera Topolniței, in fossa viae, 44°49'27.633"N, 22°33'34.480"E, alt. circa 390 m, 13 VI 2011, Ioana Ciortan & G. Negrean. Peștera Topolniței, supra Gura Prosacului, prope Peștera Femeii, 9 VI 2003, G. Negrean.

● *Cardamine amara* L. s. l. – Isverna E, Lunca Coșuștei, in *Alnetum*, 8 VI 2003, G. Negrean; 18 IV 2007, G. Negrean (N 8830; 10.101). Balta, marginem N, Lunca Topolniței, 18 IV 2007, G. Negrean.

● *Cardamine flexuosa* Withering – Isverna, Lunca Coșuștei, 18 IV 2007, G. Negrean. Jupânești E, la Lilioci, 44°51'..28"N, 22°32'..''E, 16 IV 2007, G. Negrean (N 8750). Peștera Topolniței prope Peștera Epuran, 17 IV 2007, G. Negrean. Păunești, Valea Borovăț, 19 IV 2007, G. Negrean (N 8854). Valea Bahna, 20 IV 2007, G. Negrean (N 8889). Schitul Topolniței, 19 IV 2007, G. Negrean (N 8866).

● *Cardamine glanduligera* O. Schwarz – Godeanu NW, in *Piceetum* (plantatio), 6 VII 2007, G. Negrean. Șaua Arșasca, in *Fagetum*, 45°01'52,549"N, 22°37'08,388"E, alt. circa 790, 11 VI 2011, Ioana Ciortan & G. Negrean. Isverna N, Valea Domnișoarelor, in *Fagetum*, 45°00'01,143"N, 22°37'01,264"E, alt. circa 860 m, 8 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Gornenți NW, Montes Ciolanul Mare, serpentinites, in silvis, 44°56'18,802"N, 22°31'02,763"E, alt. circa 1130 m, 9 V 2011, Ioana Ciortan & G. Negrean. Peștera Topolniței, supra Gura Prosacului, prope Peștera Femeii, 9 VI 2003, G. Negrean.

● *Cardamine graeca* L. – Valea Topolniței, N Mănăstirea Topolnița, prope vallim cum *Pinus nigra banatica* (Borovăț), 44°46'15"N, 22°36'48"E, alt. 200 m, 12 VI 1984, G. Negrean [BUCM 83.596].

● *Cardamine hirsuta* L. – Isverna E, Valea Coșuștei, in *Alnetum*, 18 IV 2007, G. Negrean (8828). Jupânești S "La lac", 44°50'.."N 22°32'.."E, 17 IV 2007, G. Negrean (8761) [BUC].

● *Carex echinata* Murray (*C. stellulata* Gooden.) – Obârșia Cloșani N, Poiana Mare, "Mlaștina fără fund" ("Bottomless bog"), in *Sphagnetum*, 45°02'52.657"N, 22°39'45.349"E, alt. 1025 m, 25 VIII 2010, G. Negrean. Seliște, Lunca Valea Verde, sub Basilica, in pratis humidis, 44°58'22.481"N, 22°38'58.422"E, alt. circa 440 m, 27 VIII 2007, G. Negrean.

● *Carex vesicaria* L. – Munții Mehedinți, Gornenți NW, La Funduri, ad marginem lacum, 44°55'...'N, 22°30'...'E, 9 VI 2011, Ioana Ciortan & G. Negrean.

● *Cephalanthera longifolia* (L.) Fritsch – Munții Mehedinți: Cornetul Coșuștei, 27 VII 2007, G. Negrean (9891). Podeni NW, Muntele Camăna, in saxosis abruptis, 44°54'35.668"N, 22°29'59.956"E, alt. circa 840, 9 VI 2010, G. Negrean.

● *Cephalaria laevigata* (Waldst. & Kit.) Schrader – Isverna W, Cănișa NNW, in saxis primis ad pedem Muntele Fața Satului, glara, 44°58'54.570"N, 22°36'14.312"E, alt. 810 m, 10 IX 2009, G. Negrean. Isverna W, "La Potcoavă", baltes supra, 26 VIII 2007, G. Negrean.

● *Chaerophyllum aureum* L. – Isverna W, Munții Mehedinți, "Potcoava", in saxosis, 26 VIII 2007, G. Negrean (N 10.007) [BUC]. Giurgiani, Valea Coșuștei, in herbosis, 23 VII 2007, G. Negrean (N 9835) [BUC]. In pratis cum *Agrostis capillaris*, la E de Giurgiani, 25 VII 2007, G. Negrean. Podeni NW, Muntele Camăna, Izbucl Camenei, in pratis, 44°54'24.202"N, 22°30'12.896"E, alt. circa 640 m, 9 VI 2010, G. Negrean.

Chamaecytisus albus (Haquet) Rothm. (*Cytisus albus* Haquet) – Schitul Topolnița, Schitul de Sus, 44°55'26,2"N, 22°30'43,5"E, alt. circa 802 m, 10 VI 2011, Ioana Ciortan & G. Negrean.

● *Chamaecytisus ratisbonensis* (Schaeff.) Rothm. (*Cytisus ratisbonensis* Schaeff.) – Gornenți NW, ad pedem Montes Ciolanul Mare, serpentinites, 44°55'48,155"N, 22°30'58,246"E, alt. circa 900 m, 9 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

● *Cirsium furiens* Griseb. & Schenk – Isverna SW, Valea Coșuștei, inter Giurgiani et Ișfani, in fossa viae, 23 VII 2007, G. Negrean (N 9832). Giurgiani et Polom, 24 VII 2007, G. Negrean. Valea Coșuștei, sub Polom, 22 VII 2007, G. Negrean. Inter Nadanova et Balta, in fossa viae, 29 VII 2007, G. Negrean.

Cleistogenes serotina (L.) Keng – Isverna NW, Muntele Culmea Brazilor, 44°59'00.859"N, 22°36'50.393"E, alt. 760 m, 10 IX 2009, G. Negrean. Cireșu N, in pratis aridis, 4 VII 2007, G. Negrean. Șovarna, Runcul pagus, Cheile Runcului, in saxosis, 44°51'54.266"N, 22°45'21.280"E, alt. circa 370 m, 3 XI 2010, G. Negrean.

Clematis recta L. – Isverna W, Cănișa NNW, pomaria malorum prunorumque in Muntele Fața Satului, 44°58'42.862"N, 22°36'20.734"E, alt. 580 m, 10 IX 2009, G. Negrean. Giurgiani W, Piatra Pinului, in saxosis, 44°58'22,304"N, 22°33'51,021"E, alt. circa 860 m, 7 V 2011, I. Ciortan & G. Negrean [CL; CRAI].

Convolvulus cantabrica L. – Schitul Topolniței, Schitul de Sus, 10 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

Cynoglossum hungaricum Simonk. – Schitul Topolniței, Schitul de Sus, 10 VI 2011, Ioana Ciortan & G. Negrean.

Dactylorhiza incarnata (L.) Soó subsp. *incarnata* – Gornenți WNW, La Funduri, in herbosis humidis, 44°55'26,2"N, 22°30'43,5"E, alt. circa 802 m, 9 VI 2011, Ioana Ciortan & G. Negrean. Cireșul E, Valea Țiganilor, in pratis humidis, 44°49'30.100"N, 22°33'40.326"E, alt. circa 390 m, 16 VI 2007, G. Negrean (N 9543) [BUC]; idem, 12 VI 2010, G. Negrean; idem, 13 VI 2011, Ioana Ciortan & G. Negrean.

● *Dactylorhiza sambucina* (L.) Soó – Podeni NW, Muntele Camena, planum saxi calcarii, in herbosis, 44°54'43.444"N, 22°30'03.048"E, alt. 890 m, 5 V 2011, Ioana Ciortan & G. Negrean (G. Negrean: 15.032).

Eriophorum vaginatum L. – Obârșia Cloșani N, Poiana Mare, "Mlaștina fără fund" ("Bottomless bog"), in *Sphagnetum*, 45°02'52.657"N, 22°39'45.349"E, alt. 1025 m, 25 VIII 2010, G. Negrean.

● *Euphorbia myrsinites* L. – Cireșu E, Peștera Topolniței, ad oram speluncae, "Peștera Femeii", 44°49'09.963"N, 22°33'53.419"E, alt. circa 435 m, 17 IV 2007, G. Negrean (8772) [BUC]; 4 VII 2007, G. Negrean; 3 IV 2010, G. Negrean, c. 20 specimena; 28 VIII 2010, G. Negrean; 6 V 2011, Ioana Ciortan & G. Negrean; 13 VI 2011, Ioana Ciortan & G. Negrean.

Euphrasia illyrica Wettst. – Gornenți NW, Muntele Ciolanul Mare, ad meridiem viae, in serpentinites, 44°55'55.749"N, 22°30'54.691"E, alt. 960 m, 23 VIII 2010, G. Negrean [BUC; CL]. Gornenți NW, ad pedem Montes Ciolanul Mare, serpentinites, 44°55'48,155"N, 22°30'58,246"E, alt. circa 900 m, 9 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Podeni NW, Muntele Camena, in abruptis, *Seslerietum*, 44°54'14.248"N, 22°29'42.417"E, alt. circa 870 m, 22 VII 2010, G. Negrean [BUC; CL].

● *Ferula heuffelii* Griseb. ex. Heuff. – Munții Mehediți, Vârful lui Stan, sub cacumine, 45°01'28.031"N, 22°36'03.141"E, alt. circa 1420 m, 22 VII 2010, G. Negrean. Isverna WNW, Potcoava, dextra, 44°59'35.724"N, 22°36'31.658"E, alt. circa 960 m, 18 VII 2010, G. Negrean [BUC; CL]. Podeni NW, Muntele Camena, sub abruptis, in saxosis calcareis, 44°54'30.443"N, 22°30'00.427"E, alt. circa 800 m, 22 VII 2010, G. Negrean [BUC; CL].

Fritillaria orientalis Adams – Podișul Mehediți: Cireșul E, Valea Topolniței, over „Gaura lui Ciocârdie”, 44°48'42.646"N, 22°33'30.690"E, alt. circa 370 m, 17 IV 2007, G. Negrean (N 8811).

Gagea spathacea (Hayne) Salisb. – Isverna, ut Geanț (Potcoava), in herbosis, 44°59'13.986"N, 22°37'01.344"E, alt. circa 660 m, 8 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

•*Galium album* Miller subsp. *pyncotrichum* (H. Braun) Krendl – Baia de Arână, 6 VII 2007, G. Negrean. Cireșul NE, Polia Cireșul, in foenatis, 44°49'57.451"N, 22°33'01.838"E, alt. 380 m, 12 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Cireșul E, Valea Pețimea, in herbosis, 44°50'15.821"N, 22°32'15.755"E, alt. 420 m, 12 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

Galium flavescens Borbás – Ad oram speluncae Isverna, 8 VI 2003, G. Negrean. Munții Mehedinți, „La Comoriște”, serpentinites, 44°52'34.375"N, 22°28'38.372"E, alt. 900 m, 23 VIII 2010, G. Negrean. Muntele Camena, vers. S, 44°53'52.320"N, 22°29'28.051"E, alt. circa 920 m, 15 VI 2010, G. Negrean [CL]. Păunești, Valea Borovăț, 19 IV 2007, G. Negrean. Bunoaica E, Valea Topolniței, in *vineis relictis*, 44°47'51.993"N, 22°52'56.502"E, alt. circa 360 m, 13 VI 2010, G. Negrean.

Galium rotundifolium L. – Isverna SSE, Dealul Gorunului, in *Quercetum dalechampii*, 44°58'05.024"N, 22°37'53.560"E, alt. circa 570, 19 V 2010, G. Negrean. Isverna WSW, Valea Coșuștei, Giurgiani SE, under Polom, *Fagetum* ut Polom, 26 VII 2006, G. Negrean. (9874) [BUC]. Munții Mehedinți, Muntele Camena, Valea Camena, in *Fagetum*, 44°53'41.985"N, 22°29'37.227"E, alt. circa 900 m, 15 VI 2010, G. Negrean [CL].

Genista pilosa L. – Schitul Topolniței, Schitul de Sus, 9 VI 2011, Ioana Ciortan & G. Negrean. Valea Topolniței, Păunești W, Valea Borovăț, 19 IV 2007, G. Negrean (8845) [BUC]. Mănăstirea Topolniței, 19 IV 2007, G. Negrean (8862) [BUC]. Păunești W, Valea Borovăț, in saxosis schistosis, 19 IV 2007, G. Negrean (10.104). Mănăstirea Topolniței, 19 IV 2007, G. Negrean. Schitul Topolniței, Schitul de Sus, 9 VI 2011, Ioana Ciortan & G. Negrean.

•*Gentianella ciliata* (L.) Borkh. – Isverna, ut Geanț (Potcoava), 44°59'13.986"N, 22°37'01.344"E, alt. circa 660 m, 13 IX 2009, G. Negrean.

Geranium pyrenaicum Burm. fil. – Podișul Mehedinți, Gornenți, centrum, 44°54'48.347"N, 22°32'45.343"E, alt. circa 610 m, 9 VI 2011, Ioana Ciortan & G. Negrean. Gornenți, ut silvis Pinus nigrae banaticae, 44°54'56.633"N, 22°32'30.310"E, alt. circa 620, 10 VI 2010, G. Negrean. Cireșul NE, Polia Cireșul, in foenatis, 44°49'46.532"N, 22°33'04.247"E, alt. circa 375 m, 13 VI 2011, Ioana Ciortan & G. Negrean. Cireșu ut S, 44°49'13.243"N, 22°32'18.254"E, alt. circa 400 m, 13 VI 2010, G. Negrean. Bunoaica S, Valea Știubei, talveg, 44°47'05.711"N, 22°32'26.098"E, alt. circa 435 m, 13 VI 2010, G. Negrean. Bunoaica E, Valea Știubei, in *foenatis*, 44°47'48.441"N, 22°33'41.046"E, alt. circa 460 m, 13 VI 2010, G. Negrean.

Hieracium villosum Jacq. – Isverna WNW, Munții Mehedinți, „Potcoava”, in saxosis, La Strungă, 26 VIII 2007, G. Negrean (9994) [BUC].

Himantoglossum hircinum (L.) Sprengel subsp. *caprinum* (Bieb.) Sundermann – Podișul Mehedinți: Cireșul E, supra spelunca Peștera Topolniței (viam N), in herbosis, 11 VII 2006, G. Negrean (GN 7616). Cireșul E, supra speluncae Peștera Topolniței (S), in herbosis, 44°49'16.564"N, 22°33'53.851"E, alt. circa 490 m, 12 VI 2010, G. Negrean.

Hordeum bulbosum L. subsp. *bulbosum* – Valea Topolniței, Schitul Topolniței, in foenatis, 44°40'.."N, 22°33'.."E, alt. circa 100 m, 12 VI 1984, G. Negrean [BUCA].

Hypericum rochelii Griseb. & Schenk – Muntele Camena, Valea 2 puncte. Munții Mehedinți, Muntele Camena, Valea Izvorul Camenei, in *saxosum*, 44°54'12.596"N, 22°29'29.455"E, alt. circa 800 m, 9 VI 2010, G. Negrean (5 ex.). Podeni NW, Muntele Camena, in abruptis, *Seslerietum*, 44°54'14.248"N, 22°29'42.417"E, alt. circa 870 m, 22 VII 2010, G. Negrean [BUC; CL].

Jasione heldreichii Boiss. & Orph. (*J. dentata* (A. DC.) Halácsy; incl. *J. jankae* Neilr.) – Valea Borovăț, in saxosis schistosis, IV 2007, G. Negrean (GN 8860) [BUC]. Schitul Topolniței, in saxosis schistosis, 19 IV 2007, G. Negrean (GN 8867) [BUC].

Juncus atratus Krockner – Cireşul NE, Polia Cireşul, in fossa viae, VI 2010, G. Negrean [CL]; idem, 44°49'52,459"N, 22°33'03,293"E, alt. circa 390 m, 12 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Cireşu S, in pratis humidis, 13 VI 2010, G. Negrean [CL].

Lactuca quercina L. subsp. *quercina* – Motrul Sec NW, Valea Sohodol, ad marginem silvarum, 45°04'00"N, 22°45'47"E, 4 VII 2004, G. Negrean (4751) [HGN]. Podişul Mehediţi, Valea Bahna, 10 VII 2006, G. Negrean (7640) [BUC]. Cireşul NE, supra speluncae Peştera Topolniţei, in silvis, 44°49'22.681"N, 22°34'00.882"E, alt. circa 480 m, 12 VI 2010, G. Negrean. Idem, supra speluncae Peştera Topolniţei, in silvis, 44°49'07.953"N, 22°33'54.366"E, alt. circa 380 m, 12 VI 2010, G. Negrean.

Lathraea squamaria L. – Jupâneşti E, to Peştera Topolniţei, in *Quercetum petraeae*, 44°51'..28"N, 22°32'..E, 16 IV 2007, G. Negrean (8746) [BUC]. Cireşul E, Valea Sohodol, 44°50'..N 22°32'..E, 17 IV 2007, G. Negrean (8810) [BUC]; Peştera Topolniţa, Valea Peţimea fosilă: 44°48'52.666"N, 22°33'35.915"E, alt. circa 340 m, G. Negrean, idem, 6 V 2011, Ioana Ciortan & G. Negrean.

Lathyrus nissolia L. – Gărdăneasa W, in vallibus siccis cum dolinis, 44°57'41.262"N, 22°46'36.172"E, alt. circa 520 m, 11 VI 2010, G. Negrean.

Lemna minor L. – Cireşul S, in aqua, 44°48'53.617"N, 22°32'19.913"E, alt. circa 390 m, 27 VIII 2010, G. Negrean.

Leontodon crispus Vill. subsp. *crispus* – Obârşia Cloşani NE, creasta Valea Lupşa - Valea Gorganului, 45°03'31"N, 22°44'45"E, alt. 620 m, 28 VII 1986, G. Negrean [BUCM 100.138]. Podeni NW, Muntele Camena, in abruptis, *Seslerietum*, 44°54'14.248"N, 22°29'42.417"E, alt. circa 870 m, 22 VII 2010, G. Negrean [BUC; CL].

Linum uninerve Rochel – Munţii Mehediţi: Giurgiani W, Cornetul cu pini, 28 VII 2007, G. Negrean (9924) [BUC]. Isverna SW, Vintilani SW, supra Valea Morii, La Pini, in saxosis calcareis, 23 VII 2007, G. Negrean (9820) [BUC]. Podeni NW, Muntele Camena, sub abruptis, in saxosis calcareis, 44°54'30.443"N, 22°30'00.427"E, alt. circa 800 m, 22 VII 2010, G. Negrean [BUC; CL].

Lunaria annua L. subsp. *pachyrrhiza* (Borbás) Hayek – Munţii Mehediţi: Isverna WNW, ut „Potcoava”, 26 VIII 2007, G. Negrean [BUC]. Isverna W, Cănişa NNW, Muntele Faţa Satului, 44°58'53.628"N, 22°36'19.543"E, alt. 745 m, 10 IX 2009, G. Negrean. Over Izvorului Coşuştei, 26 VII 2006, G. Negrean. Cornetul Coşuştei, 27 VII 2007, G. Negrean [BUC]. Muntele Camena, vers. S, 44°53'52.320"N, 22°29'28.051"E, alt. circa 920 m, 15 VI 2010, G. Negrean [CL]. Podeni NW, Muntele Camena, sub abruptis, in saxosis calcareis, 44°54'30.443"N, 22°30'00.427"E, alt. circa 800 m, 22 VII 2010, G. Negrean [BUC; CL]. Jupâneşti SE, Valea Ponorel, ad saxa calcarea, "la sorb", 17 IV 2007, G. Negrean. Cireşu E, Peştera Topolniţei, supra Gura Prosacului, in herbosis, 44°50'..N, 22°32'..E, 17 IV 2007, G. Negrean (8769) [BUC]. Peştera Topolniţei, in saxosis, vers. S, 17 IV 2007, G. Negrean. Peştera Topolniţa, over Marele Portal, 44°49'07.435"N, 22°33'48.751"E, alt. circa 430 m, 3 IV 2010, G. Negrean. Cireşu E, over Vallis Topolniţa, Gura Prosacului, prope Peştera Femeii, 44°49'09.963"N, 22°33'53.419"E, alt. circa 435 m, 6 V 2011, Ioana Ciortan & G. Negrean (GN: 15.053) [CL; CRAI].

Medicago polymorpha L. (*M. hispida* Gaertn.) – Cireşul S, vallis humida, affluent Topolniţa, in herbosis, 44°48'48.381"N, 22°32'31.015"E, alt. circa 385 m, 13 VI 2010, G. Negrean [CL; HGN]. Jidoştiţa N, Dealul Matorăţ, 44°44'46,9"N, 22°33'08,1"E, alt. circa 542 m, in herbosis, 9 VI 2011, Ioana Ciortan & G. Negrean [BUC; CL; CRAI].

Myosotis discolor Pers. (*M. versicolor* (Pers.) Sm.) – Seliştea, Ferma Bazavan, in pratis, 44°58'22.732"N, 22°39'01.024"E, alt. circa 440 m, 14 V 2010, G. Negrean [CL].

● *Ornithogalum sphaerocarpum* A. Kerner – Isverna NW, Muntele Culmea Brazilor, 44°59'00.859"N, 22°36'50.393"E, alt. 760 m, 10 IX 2009, G. Negrean. Cireşul NNE, Polia Cireşul, in herbosis, 44°50'00,742"N, 22°33'01,526"E, alt. circa 400 m, 12 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Cireşul NE, Depresiunea Cireşul, in foenatis, 44°50'..N,

22°32'..''E, 16 VI 2007, G. Negrean (9519), in foenatis humidis, 4 VII 2007, G. Negrean (9419; 9607) [HGN]; Valea Țiganilor, in foenatis, 44°50'..'N, 22°32'..'E, 16 VI 2007, G. Negrean (9542) (9499) [HGN]. Cireșul NE, Depresiunea Cireșul, in fossa viae 15 VI 2007, G. Negrean (9419) [HGN]. Cireșul NE, Polia Cireșul, in foenatis, 44°49'45,094''N, 22°33'13,014''E, alt. circa 370 m, 12 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Cireșul S, vallis humida, affluent Topolnița, in herbosis, 44°48'48.381''N, 22°32'31.015''E, alt. circa 385 m, 13 VI 2010, G. Negrean [CL].

Our plant, at a long distance from the main Central European distribution, may be another taxon (Prof. F. Speta, pers. comm. to G. Negrean).

●*Peucedanum austriacum* (Jacq.) W.D.J. Koch var. *austriacum* – Munții Mehedinți: Cornetul Coșuștei, 27 VII 2007, G. Negrean (9898) [BUC].

Platanthera chlorantha (Custer) Rchb. – Isverna N, Valea Domnișoarelor, in saxosis calcareis, 45°00'01,539''N, 22°37'04,289''E, alt. circa 900 m, 8 V 2011, Ioana Ciortan & G. Negrean.

●*Primula auricula* L. subsp. *serratifolia* (Rochel) Jáv. – Godeanu W, Muntele Vârful lui Stan, the branch of E, in saxosis, ad limitem Geoparcum, 45°01'17.919''N, 22°36'43.599''E, alt. circa 1200 m, 3 XI 2010, G. Negrean. Godeanu W, Vârful Caprei, in saxosis, 45°01'05.191''N, 22°37'17.402''E, alt. circa 1020 m, 3 XI 2010, comm. S. Păunescu, det. G. Negrean. Isverna, Geanț (Potcoava), in saxosis, sinistra, 44°59'23.137''N, 22°36'33.519''E, alt. circa 850 m, 13 IX 2009, G. Negrean. Munții Mehedinți, Isverna SW, Giurgiani W, Cornetul cu Pini, in saxosis, 28 VII 2007, G. Negrean (N 9927). Giurgiani W, Piatra Pinului, in saxosis, 44°58'22,304''N, 22°33'51,021''E, alt. circa 860 m, 7 V 2011, Ioana Ciortan & G. Negrean.

●*Ranunculus aquatilis* L. – Cerna-Vârf S, Cheile Coșuștei, 44°55'11.763''N, 22°40'57.715''E, alt. circa 390 m, 14 IX 2009, G. Negrean [CL].

Salvia amplexicaulis Lam. (*S. villicaulis* Borb.) – Nadanova N, Valea Coșuștea, ad pontus, 44°57'02.211''N, 22°40'27.691''E, alt. circa 400 m, 14 IX 2009, G. Negrean. Sfodea N, ut Mălărișca, Valea Sfodea, 44°52'03.491''N, 22°36'04.407''E, alt. circa 430 m, 12 VI 2010, G. Negrean. Cireșul E, ad oram speluncae Peștera Topolniței, in herbosis, intrare N, in prato lapidoso Topolniței, 9 VI 2003, G. Negrean (3407) [BUC]. Cireșul E, “La Polie”, Valea Găurinți, prope viam, 15 VI 2007, G. Negrean, idem in fossa viae, 16 VI 2007, G. Negrean (9256, 10.098) [BUC]. Cireșul E, area Peștera Topolniței, Valea Pețimea, in herbosis, 15 VI 2007, G. Negrean (10069) [BUC]. Inter Balotești et Cireșul, VII 1949, leg. I. Prodan [CL 588.886], sub *S. villicaulis*, rev. G. Negrean, 15 XII 2010. Schitul Topolniței, Schitul de Sus, 10 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

Saxifraga adscendens L. f. *ramosissima* (Schur) Simonkai – Munții Mehedinți: Isverna N, in saxosis (serpentinites), 44°59'08,918''N, 22°37'12,320''E, alt. circa 620 m, 8 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Giurgiani W, Valea Giurgiani, in saxosis, 44°58'32,973''N, 22°33'33,032''E, alt. circa 900 m, 7 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

Scabiosa argentea L. (*S. ucranica* L.) – Cireșul S, in herbosis, 44°48'28.859''N, 22°31'54.371''E, alt. circa 410 m, 27 VIII 2010, G. Negrean [CL]. Cireșul SW, supra Valea Bahna, Dealul Ganeacului, in pratis siccis, 44°48'28,331''N, 22°31'26,138''E, alt. circa 320 m, 10 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]; Schitul Topolniței, Schitul de Sus, in foenatis, 44°46'18,391''N, 22°33'27,224''E, alt. circa 580 m, 10 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

Scopolia carniolica Jacq. – Valea Bulba, 8 VI 2003, G. Negrean. Cireșul E, ad oram speluncae Peștera Topolniței, in *Fagetum*, 11 VII 2006, G. Negrean (GN 7614).

Scrophularia heterophylla Willd. subsp. *laciniata* (Waldst. & Kit.) Maire & Metitmengin (*S. laciniata* Waldst. & Kit.; *S. lasiocaulis* Schur) – Isverna, Geanț (Potcoava), dextra, 44°59'23.137''N, 22°36'33.519''E, alt. circa 850 m, 13 IX 2009, G. Negrean.

Senecio viscosus L. – Munţii Mehedinţi: Pietrele Vinete, 44°53'34.770"N, 22°29'46.595"E, alt. 1015 m, 20 VIII 2010, G. Negrean. Munţii Mehedinţi, La Cuptoare, 44°52'08"N, 22°29'22"E, alt. 825 m, 13 VIII 1994, G. Negrean (BUCM 131.075). Cireşul SW, Valea Bahnei, talveg, 44°48'41.836"N, 22°31'05.379"E, alt. circa 230 m, 4 XI 2010, G. Negrean.

Silene armeria L. – Isverna WSW, Valea Coşuştei, Giurgiani N, in saxosis, 21 VII 2007, G. Negrean (N 9769) [BUC]. Valea Bahnei, inter Podeni et Gornenţi, ad saxa schistosa, 44°53'51,071"N, 22°33'37,208"E, alt. circa 440 m, 9 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Valea Bahnei, ad oram rivuli Topolova, 44°51'07.263"N, 22°31'10.252"E, alt. circa 380 m, 14 VI 2010, G. Negrean. Valea Bahnei, 20 VI 1965, G. Negrean [BUCM 94.755]. Rudina NW, serpentinites, declivitas abruptis, 44°53'16.792"N, 22°45'59.103"E, alt. circa 400 m, 3 XI 2010, G. Negrean. Păuneşti, Valea Borovăţ, 19 IV 2007, G. Negrean.

Sisymbrium strictissimum L. – Isverna WNW, Munţii Mehedinţi: "Potcoava", in saxosis, La Strungă, 26 VIII 2007, G. Negrean (GN 10.008). Sub Creasta Camena, vers SE, VI 2010, G. Negrean

Spiranthes spiralis (L.) Chevall. – Podişul Mehedinţi: Seliştea N, Valea Verde, 15 IX 2009, G. Negrean. Isverna N, schistus, 44°59'22.822"N, 22°37'22.019"E, alt. circa 640 m, 13 IX 2009, G. Negrean. Isverna, ut N, 44°58'57.484"N, 22°37'17.604"E, alt. 540 m, 9 IX 2009, G. Negrean. Isverna, Seliştea, Ferma Bazavan, in prate, 11 IX 2009, G. Negrean.

● *Succisa pratensis* L. – Podişul Mehedinţi: Seliştea, Valea Verde, in pratis humidis, 26 VIII 2006, G. Negrean. Seliştea S, dextra rivuli Coşuştea, in prato, herbosis, 44°57'48.296"N, 22°38'59.821"E, alt. 440 m, 8 IX 2009, G. Negrean.

● "*Taraxacum erythrospermum* Andr. ex Besser" – Isverna, ad spelunca, 18 IV 2007, G. Negrean. Jupâneşti E, la Lilieci, 44°51'..28"N, 22°32'..""E, 16 IV 2007, G. Negrean (N 8749) [BUC]. Cireşu E, Peştera Topolniţei, Gura Prosacului, in herbosis, 44°50'.. "N, 22°32'.. "E, 17 IV 2007, G. Negrean (8780) [BUC].

● *Taraxacum janchenii* Kirchner & Stepánek (*Taraxacum hoppeanum* auct., pro parte max.) – Giurgiani W, Piatra Pinului, in saxosis, 44°58'22,304"N, 22°33'51,021"E, alt. circa 860 m, 7 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI], idem "La Termopile", 44°58'25,712"N, 22°33'41,627"E, alt. circa 890 m, 7 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Gornenţi NW, ad pedem Montes Ciolanul Mare, serpentinites, 44°55'48,155"N, 22°30'58,246"E, alt. circa 900 m, 9 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Jupâneşti E, ut Peştera Topolniţei, in *Quercetum petraeae*, 44°51'28"N, 22°32'.. "E, 16 IV 2007, G. Negrean (GN 8745) [BUC], idem 17 IV 2007, 6 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Peştera Topolniţei, in saxosis, vers. S, 17 IV 2007, G. Negrean [BUC]. Cireşu E, area Peştera Topolniţei, declivitas meridionalis, 44°49'.. "N, 22°34'.. "E, 17 IV 2007, G. Negrean (GN 8799) [BUC].

Folowing Kirchner & Stepánek (1985), *Taraxacum janchenii* is the correct name of this taxon in Romania [12].

● *Taraxacum palustre* (Lyons) Symons – Seliştea, Ferma Bazavan, in pratis humidis, 44°58'22.732"N, 22°39'01.024"E, alt. circa 440 m, 14 V 2010, G. Negrean [CL]. Balta, ad marginem N, Lunca Topolniţei, 44°53'56,497"N, 22°37'56,988"E, alt. circa 490 m, 18 IV 2007, G. Negrean (8835). idem, in pratis humidis, 44°53'59,514"N, 22°38'04,039"E, alt. circa 490 m, 8 V 2011, Ioana Ciortan & G. Negrean [CL; CRAI].

Thelypteris palustris Schott – Munţii Mehedinţi, Gornenţi NW, La Funduri, limni, 44°55'.... "N, 22°30'.... "E, 9 VI 2011, Ioana Ciortan & G. Negrean.

● *Thesium linophyllum* L. – Schitul Topolniţei, Schitul de Sus, 44°46'22,921"N, 22°33'28,054"E, alt. circa 630 m, 10 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Jidoştiţa NNW, Dealul Matorăţ, in herbosis, 44°43'59.438"N, 22°34'10.262"E, alt. circa 460 m, 14 VI 2011, Ioana Ciortan & G. Negrean.

● *Tragopogon balcanicus* Velen. – Munţii Mehedinţi: Godeanu NW, ad pedem montes Vârful lui Stan, in foenatis, 45°08'.. "N, 22°43'.. "E, 7 VII 2006, G. Negrean (N 7540), 6 VII

2007, G. Negrean. Isverna WNW, supra Potcoava, vers. N, in saxosis, 44°59'35.724"N, 22°36'31.658"E, alt. circa 960 m, 18 VII 2010, G. Negrean [BUC; CL]. Ponoare, La Lapiezuri, supra Peștera Ponoare, in herbosis, 5 VII 2007, G. Negrean (N 9663, 9760). Băluța, Cheile Băluței, in saxosis, 44°57'06.267"N, 22°45'22.015"E, alt. circa 440 m, 11 VI 2010, G. Negrean. Giurgiani N, in schistosis, 22 VII 2007, G. Negrean (N 9812). Giurgiani W, Poiana Ilie, sub Piatra Pinilor, in foenatis, 22 VII 2007, G. Negrean (N 9816). Supra Izvorul Coșuștei, 26 VII 2006, G. Negrean. Valea Coșuștei, Giurgiani, dextra vallis, 22 VII 2007, G. Negrean. Munții Mehedinți, La Comoriște, serpentinites, 44°52'34.375"N, 22°28'38.372"E, alt. 900 m, 23 VIII 2010, G. Negrean. Jupânești E, supra Cheile Pârçului (Valea Topolniței), 14 IV 2007, G. Negrean (N 9485). Cireșul E, supra Peștera Topolniței, in herbosis, aven, 44°49'16.399"N, 22°33'58.231"E, alt. circa 490 m, 12 VI 2010, G. Negrean. Cireșul E, Valea Găurinți, in pratis, 15 VI 2007, G. Negrean (N 9358). Cireșul E, supra Peștera Topolniței, in *Seslerietum*, 9 VI 2003, G. Negrean (N 7613). Bunoaica S, saxi calcarei lapidinae, in herbosis, 44°46'43.093"N, 22°31'40.407"E, alt. circa 540 m, 13 VI 2010, G. Negrean. Bunoaica E, Valea Topolniței, in *foenatis*, 44°47'51.650"N, 22°33'4.542"E, alt. circa 400 m, 13 VI 2010, G. Negrean.

Trifolium pannonicum Jacq. – Jupânești, prope Cabana Lileci, 44°51'.."N, 22°32'.."E, 14 IV 2007, G. Negrean (GN 9472) [BUC].

● *Valerianella pumila* (L.) DC. – Valea Bahna, 20 IV 2007, G. Negrean (GN 8891) [HGN].

Ventenata dubia (Leers) Cosson & Durieu – Munții Mehedinți, Muntele Comoriște, serpentinite, 44°52'30.259"N, 22°28'42.297"E, alt. 870 m, 15 VI 2010, G. Negrean [CL]. Valea Bahnei, talveg, 44°51'26.222"N, 22°31'34.996"E, alt. circa 390 m, 14 VI 2010, G. Negrean. Cireșul E, Depresiunea Cireșul, Valea Găurinți, in foenatis, 15 VI 2007, G. Negrean (N 9421) [BUC]. Cireșul S, vallis humida, affluent Topolnița, in herbosis, 44°48'48.381"N, 22°32'31.015"E, alt. circa 385 m, 13 VI 2010, G. Negrean. Jidoștița SE, in foenatis, 44°41'59.173"N, 22°35'41.904"E, alt. circa 180 m, 9 VI 2010, G. Negrean [CL].

Verbascum pulverulentum Vill. (*Verbascum floccosum* Waldst. & Kit.) – Valea Bahnei, in fossa viae, 44°47'11,378"N, 22°29'51,477"E, alt. circa 140 m, 11 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Schitul Topolniței, Schitul de Sus, 10 VI 2011, Ioana Ciortan & G. Negrean [CL; CRAI]. Păunești W, Valea Borovăț, in saxosis schistosis 19 IV 2007, G. Negrean (N 8858) [BUC]. Mănăstirea Topolniței, 19 IV 2007, G. Negrean. Păunești, Valea Borovăț, 12 VI 1984, G. Negrean [HGN], 19 IV 2007, G. Negrean [HGN]. Mănăstirea Topolniței, 19 IV 2007, G. Negrean.

Verbascum vandasii (Rohlena) Rohlena – Cireșul E, zona Peștera Topolniței, Valea Sohodol, Cornetul Sohodol, in saxosis calcareis (glara), 15 VI 2007, G. Negrean (N 9383) [BUC]. Cireșul E, Valea Sohodol, scrithae abruptae, VII & VIII 2007, G. Negrean [BUC].

● *Veronica dillenii* Crantz – Păunești W, Valea Borovăț, in saxosis schistosis, 19 IV 2007, G. Negrean (N 10.103) [BUC].

Conclusions

These are preliminary botanical researches in a valuable, little studied area in SW Romania (Geopark Platoul Mehedinți). The results are surprising: of the approximately 1050 taxa listed by us, over 730 have not been indicated so far in the literature consulted here. Of these, at least five or six are new to the Romanian flora, including several major phytogeographic elements; others are being grown on in the Botanical Garden in Craiova for taxonomic studies, with the possibility of them being new. Of the 81 taxa we have listed in this paper, 27 are new to the historical province of Oltenia.

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**PLANTE NOI ȘI RARE PENTRU
GEOPARCU PLATOUL MEHEDINȚI (OLTENIA, ROMÂNIA)**

(Rezumat)

Flora Geoparcului Platoul Mehedinți nu a fost cercetată sistematic. Există câteva indicații sporadice, mai ales din zona Ponoare. Noi am cercetat zona tot foarte fugitiv, cu excepția părții de N. În anul 2007, unul dintre autorii prezentei (GN) a fost solicitat să facă un studiu preliminar asupra florei și tipurilor de habitate din Geoparc. Cu această ocazie, s-au făcut mai multe deplasări prin câteva puncte de mare importanță fitogeografică prin Geoparc. S-a realizat un studiu care a fost predat beneficiarului. Rezultatele cercetărilor nu au fost publicate. Anterior, tot GN a făcut mai multe deplasări prin zona Porților de Fier, inclusiv pe Valea Bahnei (2 V 1967), pe la Cuptoare, pe Creasta Principală (1994) sau un drum mai lung, pe jos, de la Schitul Topolniței, prin talvegul Văii Topolniței, până la Bahna, și de aici pe șosea până la Baia-de-Aramă, vizitând în fugă și Valea Borovăț. Paralel s-a cercetat și bibliografia. În total, în tot Geoparcul au fost listați 1053 taxoni, 730 neindicați până acum de aici. Concentrări mari arealogice se află în următoarele zone: Cireșu-Peștera Topolniței, zona Ponoarele, Isverna, Mănăstirea Topolniței etc. În acest scurt rezumat atragem doar atenția asupra unor taxoni noi pentru România sau necitați până acum de aici (s-au listat 81 taxoni pentru Geoparc, din care, noi pentru Oltenia 27, notați cu un cerc plin în față).

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