

ENDEMIC SPECIES AND SPECIES OF FLORISTIC INTEREST IDENTIFIED IN THE CERNA OF OLTEȚ RIVER BASIN

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Summary: The present paper refers to several taxa, which were not known to belong to Oltenia flora, and to a part of the endemic species identified in the Cerna of Olteț River Basin. Our goal is to demonstrate the diversity of the flora in this region and the necessity of protection for some taxa.

Key words: endemic species, the Cerna of Olteț River Basin.

Introduction

Due to its geographical location, there are different forms of relief, on the territory under research, which are reflected by a flora with various phyto-geographic origins. Among these, the endemic species are also included.

In our country, many articles were written on the endemic plants and every paper focuses on the necessity of their protection [1,6,8,9,10,14,17,18]. In the Basin of the Cerna of Olteț River, 14 species were identified, but this paper does not contain all of them because they were published in previous papers. [15, 16].

Beside the endemic taxa, this paper also mentions several interesting species. When we speak about interesting species we refer not only to the rare or vulnerable species but also to the ones which were mentioned for the first time in Oltenia, having a different zoologic grade (sporadic, frequent) at a national level. *Carex flacca*, *Orchis militaris*, *Trisetum flavescens*, *Myosurus minimus* ș.a.

In the basin under research, there were also identified plants which are endangered at a European level and are included in the Habitat Directive or in the Bern Convention: *Campanula abietina*, *C. serrata*, *Lycopodium selago*, *L. annotinum*, *L. clavatum*, *Typha minima*, *T. schuttleworthii* ș.a.

Results and Discussions

The systematic units which are to be taken into consideration will be presented alphabetically, being accompanied by references related to the spread in the territory under research and in Oltenia.

1. *Arnica montana* L. – It is rare in the flora of Oltenia, being known only in the Parâng Mountains[13]. It was collected on the Zăvidanu Peak in the Căpățâni Mountains.

2. *Carex flacca* Schreber – It is included in the red national lists [7]; it is frequent at a national level, still not mentioned up to present in the flora of Oltenia. In the territory under research, it was identified only in two localities: The Upper Giulești and Stroești – Dianu.

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3. *Carex strigosa* Hudson – Although at a national level it is a rare species [5], in Oltenia its spreading area is larger – we could affirm that it is still sporadic in this part of the country. It was collected in the following villages: Giulești and Roești.

4. *Cephalanthera rubra* (L.) L.C.M. Richard – It is included in the red national lists [7]. It has not been mentioned in Oltenia up to present. We have identified it only in one location: Dl. Măgura Slătioarei, the village of Slătioara.

5. *Dactylorhiza maculata* (L.) Soó subsp. *schurii* (Klinge) Soó – It is a Carpathian endemite, included in the red national lists [7], not mentioned in Oltenia. It was identified only in one location: Dl. Măgura Slătioarei, the village of Slătioara.

6. *Gladiolus imbricatus* L. – It is rare in Oltenia, being included in the red national lists [5]. In the basin, it was collected on Dl. Dumbrăvița, in the village of Cerna.

7. *Lathyrus setifolius* L. – Plant which is not mentioned in the flora of Oltenia; it was collected by us in the locality of Lădești, Dl. "La Șiță". It is present in the red national lists, being presented as a rare or insufficiently known species. [5,7].

8. *Luzula forsteri* (Sm.) DC. – A rare plant at a national level [7], which is found in several locations in Oltenia. It was collected by us in the following localities: Gârnăcet, Stănești – Valea Lungă.

9. *Minuartia verna* (L.) Hiern. subsp. *collina* (Neilr.) Domin – In the region of Oltenia this taxon is present only in some places in the Parâng and Mehedințului Mountains [14]. In the basin, it was collected only on the Zăvidanu Peak, in the Căpățâni Mountains.

10. *Myosurus minimus* L. – It is present just in few places in Oltenia. In the basin it is rare, being collected only in the locality of Giulești (Fig. 1).

11. *Orchis militaris* L. – Although, at a national level, it is a frequent species, it was included in some of the red national lists [7]. In Oltenia it has been mentioned in the village of Stroești-Dianu for the first time.

12. *Poa badensis* Haenke ex Willd. – It is a Balkan species, cited up to present only in one place in Oltenia: Boarneșul Peak in the Parâng Mountains [2]. In the territory under research, it was identified only on the Zăvidanu Peak in the Căpățâni Mountains. It is considered a rare species at a national level, also included in the red lists [7].

13. *Scabiosa lucida* Vill. subsp. *barbata* E.I. Nyárády – This taxon is a Romanian Carpathian endemite, which is present in some places in Oltenia. [2]. In the basin, it was collected from the Buciumu, Corșoru, Zăvidanu, La Nedei and Milescu Peaks in the Căpățâni Mountains. It is mentioned in the red national lists [5,7].

14. *Spiranthes spiralis* (L.) Chevall. – Plant which is known only in some localities in Oltenia [12]. In the basin, it is rare, being collected only in Gârnăcet – Șuiești village.

15. *Succisa pratensis* Moench – It is rather rare in Oltenia, being known only in Blahnița village – Gorj County (material for herbarium), where it was identified by M. Păun. In the basin, it is rare, being present only in the locality of Rugetu.

16. *Trisetum flavescens* (L.) Beauv. – This species has not been mentioned yet in Oltenia, although it is frequent at a national level. In the territory under research it is rare, being present only in the Stănești village.

Conclusions

The present paper contains 16 taxa. For each of them, we offered the spread in the basin under research and in Oltenia.

From the total number of species, six of them are mentioned for the first time in Oltenia, whereas the rest of them have received new chorological data.

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Fig. 1. *Myosurus minimus* L. din Bazinul Cernei de Olteț