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SPECIES INTRODUCED BY MISTAKE INTO THE ROMANIAN FLORA

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Résumé. L’auteur présente 6 espèces introduites par erreur dans la flore de Roumanie, qui se trouvent dans le dernière traveau Liste critique des plantes vasculaires de Roumanie (A. Oprea 2005).

Mots clé: espèces erronées, flore de Roumanie.

In a few anterior papers [3, 4, 5] we presented some taxa – species and subspecies, which do not grow into the Romanian flora. Their majority is introduced in the “Illustrated Flora” [5]. In the present paper we will still mention a few species which do not grow in Romania, but they are presented in the most recent synthesis work [19] which refers to the vascular species. Their presentation is in alphabetic order.

1. *Asparagus maritimus* (L.) Mill. – this Mediterranean species is mentioned by Brandza [28] as *A. scaber* Brign. on the Romanian littoral and Siret’s shore and by other authors [29, 31, 32] on the Romanian littoral. The species is presented in the herbarium – FRE no. 941. C. Zahariadi [24] shows that ‘the plants belonging to the Romanian littoral have nothing in common with this Mediterranean species’. His point of view is confirmed by recent publications [2, 5, 30], including Valdés [23]. So, the material from FRE no. 941 is not *A. maritimus*, but *A. officinalis*.

2. *Carduus nutans* L. – although there are affirmations which pay for its presence all over the country [18], Franco J. [12] shows that the mentioned that this species is absent from Romanian flora. Analyzing the herbarium materials we ascertain that the species do not grow in Romania. Even in FRE no. 2081, *C. thoermeri* Weinm. is present and not *C. nutans* L. Gh. Dihoru [10] analyses the same problem and comes to the same conclusion.

3. *Doronicum glaciale* (Wulfen) Nyman. The species is mentioned for the first time in Rodnei Mountains – “Pietrosul Mare” Natural Reserve [14] and for the 2nd time in 2005 [19]. It is very important to say that in a list with the main species from Pietrosul Mare Natural Reserve, the author [14] mentions the species *D. glaciale*, but he does not mention the species *D. stiriacum* (Will.) Dalla Tore. In order to elucidate this problem, we analyzed at Cluj (CL) a very rich material, 16 herbarium sheets with plants collected from Rodnei Mountains, their majority belonging to Pietrosul Mare Natural Reserve and we come to the conclusion that *D. glaciale* does not grow in Romania, but in Austria, Germany, Italy [11].

4. *Phyteuma nigrum* F. W. Schmidt. – Brandza [28] published this plant species from ‘Ceahlău, Bacău Mountains, Buzău Mountain – Penteleu Peak, Prahova Mountains’, later from Penteleu Massive [33] and recently retaken by Oprea [19]. This taxon is not present in recent publications, that is why we verify its presence in Romania after 1939 [33]. We found out that the species is mentioned in two places: ‘Lilieci’ and ‘Crucea Fetii’

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from Penteleu Massive [33]. But the problem is that E. Ghişa [13] presents the same coordinates for *P. wagneri* in Penteleu Massive. Further more, Gh. Dihoru [8] do not mention *P. nigrum* in Siriu Mountain, but *P. wagneri* A. Kern. Al. Beldie [1] and all recent publications mention only *P. wagneri* species. So, there is an identification error, because *P. nigrum* grows in Austria, Germany, France, Belgium and Czech Republic [7].

5. *Soldanella alpina* L. – *Soldanella* L. genus contains 10 [21] or 16 [26] species in Europe. Regarding Romania, the information is debatable. Morariu et al. [15] says that there are 3 species, but Zhang and Kadereit [26] sustain that there are 7 species, 4 of them being quoted for the first time in the Romanian flora. Those new species are under debate [16], because they are created only by molecular analysis. The species *S. alpina* has been published for the first time by Brandza [28] from Ceahlău and Bucegi Mountains and for the 2nd time by Prodan [31] and then by Borza [32], when he mentioned as „the dubiety from the Carpathians”. The species is present in BUCA Herbarium, mentioned from Poiana Braşov, but it is a wrong determination recently retaken by Oprea [19]. The species grows only in Pyrenees, Alps, Apennines, Dinarics [21, 25, 26].

6. *Soldanella carpatica* Vierh. – the species is mentioned in Farcău, Rodnei and Făgăraşi Mountains [19]. It is presented in BUCA herbarium, too, collected from Făgăraşi Mountain – Podragu Peak. The information is wrong because the species grows only in Tatra Mountain [21, 25, 26].

We conclude that it is still necessary a hard work to know the Romanian Flora.

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