

# THE VASCULAR FLORA OF MT SVILAJA (OUTER DINARIDES, SOUTH CROATIA)

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Based on our own research carried out from 2013 to 2019 and literature data, this study presents for the first time a comprehensive floristic list of Mt Svilaja (max. 1508 m a.s.l.). It contains 1285 taxa classified within 502 genera and 109 families. Of these, 552 taxa are listed for the first time for Svilaja. Out of 733 taxa recorded previously, the presence of 128 taxa has not been confirmed. *Poaceae* (8.79%), *Asteraceae* and *Fabaceae* (8.72% each) had the highest number of taxa, with the largest number of taxa within the genera *Trifolium* (23 taxa), *Carex* (20) and *Centaurea* (17). Hemicryptophytes (43.35%) and therophytes (25.45%) prevailed, and Mediterranean (23.27%), southern European (20.83%) and Eurasian (17.43%) plant taxa dominated. Altogether, there were 76 endemics (5.91%), mostly of Illyrian-Adriatic origin, 34 endangered (CR, EN, VU) taxa (2.65%), and 155 strictly protected taxa according to Croatian law (12.06%). Among the endemics, the presence of *Scabiosa delminiana* Abadžić must be stressed. Mt Svilaja is characterized by rich orchid flora (51 taxa, 3.97%), and features *Epipactis placentina* Bongiorno & Grünanger, the only site found in Croatia that does. Although as many as 34 invasive taxa have been recorded, their presence is mostly limited to anthropogenic habitats.

**Keywords:** Adriatic-Dinaric carbonate platform, biodiversity, chorology, conservation, Dinaric Karst, floristic investigation

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Na temelju vlastitih istraživanja (2013.–2019.) i literaturnih podataka, u radu je po prvi put prikazan cjeloviti popis vaskularne flore planine Svilaje (1508 m n.v.). Utvrđeno je 1285 svojiti, svrstanih u 502 roda i 109 porodica. Od toga su 552 svoje nove za Svilaju, a od 733 svoje prethodno zabilježene u literaturi za njih 128 nalazi nisu potvrđeni. Porodice s najvećim brojem svojiti su *Poaceae* (8,79%) te *Asteraceae* i *Fabaceae* (obje po 8,72%), a svojitama najbogatiji rodovi su *Trifolium* (23), *Carex* (20) i *Centaurea* (17). Među životnim oblicima prevladavaju hemikriptofiti (43,35%) i terofiti (25,45%), a među geoelementima najveći je udio mediteranskih (23,27%), južnoeuropskih (20,83%) i euroazijskih biljaka (17,43%). Udio biljaka od posebnog značaja bio je sljedeći: 76 je endema (5,91%), najviše iz skupine Ilirsko-jadranskih, 34 ugroženih (CR, EN, VU; 2,65%) i 155 strogo zaštićenih (12,06%) svojiti u Hrvatskoj. Među endemima, poglavito ističemo prisutnost vrste *Scabiosa delminiana* Abadžić, što je drugi nalaz u Hrvatskoj. Svilaja je iznimno bogata orhidejama (51 svojita, 3,97%) među kojima je i *Epipactis placentina* Bongiorno & Grünanger čije je nalazište na Svilaji jedino u Hrvatskoj. Ukupno su tu 34 invazivne svojite, a njihovo rasprostranjenje ograničeno je na antropogena staništa.

**Ključne riječi:** biološka raznolikost, dinarski krš, floristička istraživanja, Jadransko-dinarska karbonatna platforma, korologija, zaštita i očuvanje

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## INTRODUCTION

Svilaja (1508 m a.s.l.) is a mountain located in the central part of the Outer Dinarides in the basement of the Adriatic-Dinaric carbonate platform. Together with the mountains Promina (1147 m), Veliki Kozjak (1206 m), and Moseć (838 m), Mt Svilaja belongs to the central group of Dalmatian mountains located between the higher mountain range of Dinara (1810 m a.s.l.), Troglav (1912 m), and Kamešnica (1855 m), located alongside the borderline of Bosnia and Herzegovina on the one side, and the Adriatic coastal mountains Kozjak (779 m), Mosor (1339 m), and Biokovo (1762 m) on the other (Fig. 1). Due to the karstic relief, the influence of the Mediterranean climate and the high altitude range, the Dalmatian mountains are characterized by a specific flora and vegetation, which is why they have previously been the subject of botanical studies. The floras of the mountains of Biokovo (KUŠAN, 1969; RADIĆ, 1976; ŠILIĆ & ŠOLIĆ, 2002), Mosor (VLADOVIĆ, 1994), Kozjak (KAMENJARIN, 1996), and Matokit (VITASOVIĆ-KOSIĆ *et al.*, 2020) are well known, while other Dalmatian mountains and hills (Promina, Veliki Kozjak, Svilaja, Moseć, Omiška Dinara, etc.) have not yet been investigated in detail (MILOVIĆ *et al.*, 2020).

The first data on the flora of Mt Svilaja can be found in classical works from the 19<sup>th</sup> century (PETTER, 1832; VISIANI 1842–1852, 1872). At the beginning of the 20<sup>th</sup> century, the Austrian botanist JANCHEN (1908, 1910) reported about 30 plant species from Svilaja. Since the 1960s, however, botanists have only occasionally and incidentally visited Svilaja and published partial floristic records (JEDLOVSKI, 1952; MARKOVIĆ,



Fig. 1. Geographical position of the Mt Svilaja in the Dalmatia hinterland (Dalmatinska Zagora), South Croatia.

1964, 1992; MARKOVIĆ-GOSPODARIĆ, 1965; LOVRIĆ *et al.*, 1987, 1989; LOVRIĆ & RAC, 1989; TRINAJSTIĆ, 1992; KRANJČEV, 2005; DELFORGE, 2006a; MILOVIĆ *et al.*, 2013; MILOVIĆ & KARABOLE, 2016; KRANJČEV & ŠEŠOK, 2016; ŠEGOTA, 2016; ŠEGOTA *et al.*, 2016; VLADOVIĆ *et al.*, 2012, 2019). A historical overview of research into the flora and vegetation of Mt Svilaja is presented in detail by MILOVIĆ *et al.* (2020).

Strong depopulation, frequent wildfires, reduction of the intensity of traditional animal husbandry and agriculture have significantly affected the current state of flora and vegetation (DURBEŠIĆ & FUERST-BJELIŠ, 2016). These changes when combined with historical data indicate the need for comprehensive research into the flora of Svilaja.

The aim of our study research is to finalise an updated comprehensive inventory of vascular flora on Mt Svilaja by tracking current and past records. The present study also includes floristic analysis, and takes into consideration life form spectrum and types of geolements, the contribution of endemic, endangered, protected and invasive taxa. The results of the research will be an important contribution to the knowledge of the recent state of the vascular plant flora of Mt Svilaja and, at the same time, the chorology of plant species in Croatia.

## STUDY AREA

Svilaja is a mountain in the Dalmatia hinterland (Dalmatinska Zagora) located between the towns of Vrlika and Sinj, and extends from northwest to southeast. On the west and south it is separated from the surrounding mountains and hills by karstic fields (Vrličko Polje, Sinjsko Polje, Mučko Polje and Petrovo Polje) with the altitude varying from 300 to 400 m a.s.l. It is bordered by the upper course of the Čikola River and the torrent streams Vrba, Sutina and Karakašica on the west and south, and by the Cetina River with Lake Peruća on the east.

The highest peak of Mt Svilaja (Svilaja Bat or Svilaja, 1508 m a.s.l.) rises from the north of Sinj, approximately 30 km from the Adriatic coast. In the northwestern part (between Vrlika and Knin) Svilaja crosses into the ridge of Veliki Kozjak, separated by a road between the towns of Drniš – Vrlika and Lemeš Pass (860 m a.s.l.). The road between the villages of Muć and Lučane separates the southern slopes of Svilaja from Visošnica (941 m a.s.l.). The length of Svilaja (not including Veliki Kozjak and Visošnica) is approximately 30 km, and the average width is 15 km. The southwestern slopes descend in a slightly terraced manner towards Petrovo Polje, while the southeastern slopes from the highest ridges (Svilaja – Jančag) fall steeply towards the Cetina River and Lake Peruća.

The geological bedrock consists of carbonate rocks, the most common being limestones and dolomites of predominantly Jurassic and Triassic age (BOJANIĆ, 1961; PAPEŠ *et al.*, 1982). In the vicinity of the village of Maovice there are more dilapidated limestone breccias, and the dolomites are more present on the southern slopes of Svilaja towards Muć and Sinj. Silicate terrains in the form of metamorphic rocks (Werfen shales) also occur on Svilaja, for example in the vicinity of Muć, while eruptive rocks have been identified in the vicinity of Vrlika and Sinj (BARIĆ, 1957).

Among the soils, brown soils on limestone (Calcocambisol) predominate on Svilaja, while black soil on limestone (Calcomelanosol), shallow and medium-deep red soils, rendzina on dolomite and dolomitized limestone are much less represented (VUKADINOVIĆ, 2019). These soils are unsuitable or limitedly suitable for growing plants due to their small depth, excessive water permeability, poor sorption ability

(due to textural, structural and chemical properties) and susceptibility to erosion (BOGUNOVIĆ *et al.*, 2006). Soils are exposed to strong erosion, especially on the southern slopes of Svilaja (the villages of the Ogorje and Muć) where efforts are made to mitigate this process by regulating watercourses and afforestation with black pine (DURBEŠIĆ & MILKOVIĆ, 2005; ČOVIĆ 2017).

The relief of the wider area of Mt Svilaja is characterized by the specific underground water circulation, while most of the surface flows are temporary and torrential, and include the upper course of the Čikola River with its tributaries Vrba, Sutina, Karakašica and Vrljka. Therefore, rare springs, wells, temporary and permanent ponds are of great importance for the human population and livestock on the Mt Svilaja. Surface run-off water quickly infiltrates the soil and flows through the underground network of watercourses. The Mt Svilaja range is the watershed of two river basins – of the Krka and Cetina rivers (BRKIĆ *et al.*, 2006).

According to Köppen's climate classification (KÖPPEN & GEIGER, 1954; STRÄBSE, 1998), the wider area of Mt Svilaja has a moderately warm humid climate with hot summers or a Cfsa type of climate, and in the area of peak ridges a Cfsb type of climate, moderately warm and humid with warm summers (ŠEGOTA & FILIPČIĆ, 2003: 35). The mean annual air temperature is 13 °C, the coldest month is January (3.8 °C), and the warmest is July (23.4 °C; data from the meteorological station in Sinj for the period 1989–2018, Croatian Meteorological and Hydrological Service). The mean annual precipitation is 1147 mm, the lowest in July (45.8 mm) and the highest in November (170.2 mm).

Phytogeographically, Mt Svilaja belongs to the Illyrian sector of the Apennine-Balkan province of the Euro-Siberian region (RIVAS-MARTÍNEZ *et al.*, 1982, 2004). Deciduous vegetation is present in the lower altitudes and belongs to the thermophilic deciduous oak forests of the vegetation class *Quercetea pubescentis* Doing-Kraft ex Scamoni et Passarge 1959, while in the higher belts mesophilic deciduous and mixed forests of the class *Carpino-Fagetea sylvaticae* Jakucs ex Passarge 1968 (MUCINA *et al.*, 2016; ŠKVORC *et al.*, 2017) occur. Unlike some of the coastal Dalmatian mountains (Kozjak, Mosor and Biokovo), due to the long distance from the Adriatic Sea, Mt Svilaja doesn't include a belt of Mediterranean evergreen holm oak forests (KUŠAN, 1969: 104).

Along with natural factors, human activity has had a long-lasting and significant influence on the current state and features of the vegetation on Svilaja. In the 19<sup>th</sup> and in the first half of the 20<sup>th</sup> century, the area under forests was significantly reduced (i.e., cleared) to provide space for pastures and arable land (DURBEŠIĆ & FUERST-BJELIŠ, 2016). In the last 50 years there has been a reverse trend due to the effects of emigration and the related reduction of areas used for grazing. In some areas there are abandoned arable fields and pastures overgrown with thickets and forests. Surface areas with thickets and forests would have been significantly larger if there had not been frequent wildfires during the last 20 years the extinguishing of which was difficult or impossible due to the inaccessible terrain and mines left after the Homeland War (DURBEŠIĆ & FUERST-BJELIŠ, 2016). More recently, the construction of wind turbines on Svilaja has been intensified, which further disturbs the natural landscape and devastates the vegetation. Wind turbines have been built in the area of the village of Ogorje (Kokani), and new ones are planned to be built near the village of Zelovo and on the hills of Visošnica and Visoka, etc. (MESARIĆ, 2016).

A more detailed overview of the natural features of Mt Svilaja is presented in the paper given by MILOVIĆ *et al.* (2020).



## MATERIALS AND METHODS

This study covered the investigated area on Mt Svilaja within the boundaries shown in Fig. 2. The northern border was the road between Drniš and Vrlika, from the settlements Miočić to Vrlika, including the settlements Maovice and Vrlika. The eastern border was the road from Vrlika – Sinj to Karakašica. The south-western border lies on the road between Sinj and Drniš, passing from Karakašica through the villages of Muć, Ramljane, Kljake, Ružić, Gradac and again to Miočić. The altitudes of the investigated area range from 280 to 1508 m a.s.l. The total surface area of the study area is ca 418 km<sup>2</sup>.

Floristic research was conducted in the period from 2013 to 2019 using the standard method (NIKOLIĆ *et al.*, 1998; NIKOLIĆ, 2006). All seasons and different types of natural and anthropogenic habitats were covered. Altogether, 70 localities were investigated within the boundaries described above (Fig. 2). For each locality, the Gauss-Krüger coordinates of the central point were taken, and vascular plant taxa in a radius of approximately 100–200 m were recorded. Some localities were visited several times from February to October, most of them at least twice a year, but a few only once.

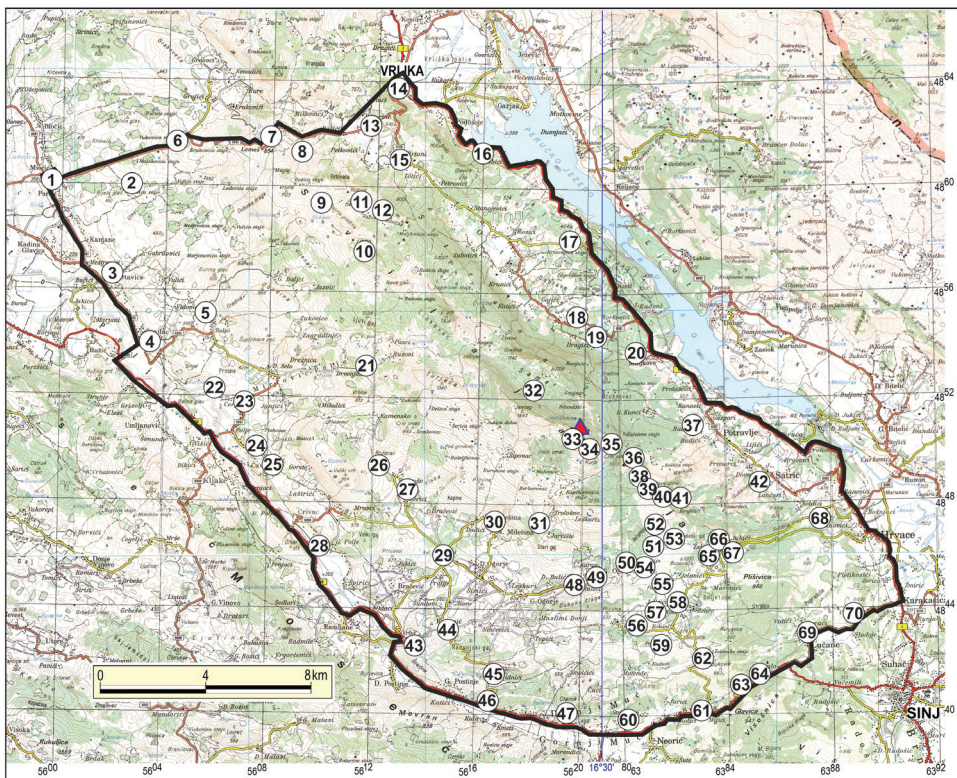


Fig. 2. The borders of the studied area on the Mt Svilaja with the position of the investigated localities (1–70, see Tab. 1).

The list of taxa includes all species and subspecies found to grow wild in the area. Of the cultivated taxa, only those that have the ability to spread outside cultivation ("gardenscapes") were recorded. Previously recorded taxa not confirmed by this study are also included. Plant taxa found exclusively in cultivation are shown in a separate list (App. 2, Tab. 2), and were not included in the analysis of flora.

Taxa were identified using the standard keys, books and guides: TUTIN *et al.* (1968–1980, 1993), PIGNATTI (1982), DOMAC (1994), NIKOLIĆ (2019), WALTERS *et al.* (1986–2000), DELFORGE (2006). The nomenclature of plant taxa, including higher taxonomic rank, mainly follows *Flora Croatica Database, FCD*, (NIKOLIĆ, 2020a). For a number of taxa not represented in *FCD*, WALTERS *et al.* (1986–2000) and DELFORGE (2006) were used, and these were marked with an asterisk (\*) in the floristic list.

Biological form was verified in the field and denoted according to categories reported in PIGNATTI (1982), these being based on the classification of RAUNKIAER (1934): Ch (Chamaephyta), G (Geophyta), H (Hemicryptophyta), Hy (Hydrophyta), P (Phanerophyta) and T (Therophyta).

Regarding chorological form, the classification of the plant taxa into floral elements and lower categories has been performed according to HORVATIĆ *et al.* (1967/1968). The names of the floral elements with the corresponding abbreviations used in the floristic list are shown in Tab. 7 in the Results and Discussion section.

Plant taxa considered endemic to Croatia (NIKOLIĆ *et al.*, 2015) are marked with the abbreviation "end". Croatian statutorily strictly protected taxa, defined by Croatian laws (ANONYMOUS, 2013), are marked as "sp". The threat status of taxa was determined according to the Red Book of Vascular Flora of the Republic of Croatia (NIKOLIĆ & TOPIĆ, 2005; NIKOLIĆ, 2020b) and marked using the abbreviations as follows: CR (Critically Endangered), EN (Endangered), VU (Vulnerable). According to precautionary criteria, the following categories were also highlighted: NT (Near Threatened), DD (Data Deficient), and LC (Least Concern). The taxa that are considered invasive alien species in Croatia (BORŠIĆ *et al.*, 2008; NIKOLIĆ *et al.*, 2014; NIKOLIĆ, 2020c) are accompanied by the abbreviation "inv".

Locality numbers (1–70, see Fig. 2 and Tab. 1) were attributed to each taxon. In addition, for taxa reported from the literature, the author name and corresponding year were indicated. Should previous records not have been confirmed during this study, only the name of locality (toponym) has been used, as presented in the original publication. In the list of flora (App. 1, Tab. 1), the author name abbreviations were used as follows:

A-1911 (ADAMOVIĆ, 1911); A-1929 (ADAMOVIĆ, 1929); De-2010 (DELIĆ, 2010); Df-2006 (DELFORGE, 2006), Ja-1908 (JANCHEN, 1908); Ja-1910 (JANCHEN, 1910); Je-1952 (JEDLOVSKI, 1952); Kr-2005 (KRANJČEV, 2005); K&S-2016 (KRANJČEV & ŠEŠOK, 2016); Ku-1969 (KUŠAN, 1969); L&al-1987 (LOVRIĆ *et al.*, 1987); L&R-1989 (LOVRIĆ & RAC, 1989); LRS-1989 (LOVRIĆ *et al.*, 1989); Ma-1964 (MARKOVIĆ, 1964); Ma-1992 (MARKOVIĆ, 1992); Me-1972 (MEŠTROVIĆ, 1972); VRZ-2012 (VLADOVIĆ *et al.*, 2012); V&al-2019 (VLADOVIĆ *et al.*, 2019); Mi&al-2013 (MILOVIĆ *et al.*, 2013); M&K-2016 (MILOVIĆ & KARAOLE, 2016); Pe-1832 (PETTER, 1832); Se-2016 (ŠEGOTA, 2016); Se&al-2016 (ŠEGOTA *et al.*, 2016); Tr-1992 (TRINAJSTIĆ, 1992), Vi-1842 (VISIANI, 1842); Vi-1847 (VISIANI, 1847); Vi-1852 (VISIANI, 1852); Vi-1872 (VISIANI, 1872).

**Tab. 1.** List of the investigated localities with their names and position (Gauss-Krüger's coordinates, 5<sup>th</sup> and 6<sup>th</sup> zone, see also Fig. 2).

No. of locality	Gauss-Krüger's coordinates		Locality
	X	Y	
1	4859985	5600056	Miočić
2	4859944	5602552	Raketići stables
3	4856540	5601988	Otavice
4	4853861	5603512	Gradac, near the church and cemetery
5	4855286	5605421	Gradac, Vidovići
6	4861624	5604635	Miočić-Vrlika road, surroundings of the turn for Štikovo
7	4861952	5607956	The surroundings of Lemeš Pass
8	4861423	5607038	Lemeš Pass
9	4859367	5609718	Surroundings of Režići stables
10	4857749	5611484	Peak of Lisina and surroundings
11	4859386	5611243	Mountain house on Sv. Jure
12	4859190	5612017	Razvale Maovičke
13	4862180	5611422	Maovice, between Režići and Baturine
14	4863824	5612530	Vrlika
15	4861217	5612960	Maovice, the surroundings of Totiči and Brtani
16	4861460	6375199	Grabići
17	4857913	5619199	Otišić
18	4855040	5619785	Otišić, between Gajčići and Dragiči
19	4854512	5620313	Otišić, the surroundings of Dragiči
20	4853659	6380658	Maljkovo
21	4853082	5610997	Mirlović Polje, Drvenjak
22	4852198	5605841	Mirlović Polje, the confluence of Vrba and Čikola
23	4851882	5607219	Mirlović Polje, Cerje
24	4849815	5607759	Between Polje and Čavoglave
25	4849308	5608451	Čavoglave
26	4849243	5612163	Northwest above Pribude
27	4848291	5613089	Pribude, Šerići
28	4846194	5609929	Gornje Polje, Crivac
29	4846196	5614805	Donje Ogorje, the surroundings of the All Saints' Church
30	4847221	5616514	Velika Milešina and surroundings
31	4847265	5618393	Milešina, Golubinka cave
32	4852270	5617796	Samar
33	4850656	5619878	Svilaja Peak
34	4850298	5620056	The surroundings of Svilaja Peak
35	4850066	6379870	The northern slope of Crni Umac
36	4849748	6380271	Hiking trail east of Crni Umac
37	4850962	6382841	Potravlje, Babići
38	4848653	6380774	Hiking trail between Crni Umac and Orlove Stine
39	4848406	6381207	The surroundings of the hiking lodge Orlove Stine
40	4848349	6381386	The surroundings of the hiking lodge Orlove Stine
41	4848174	6381626	The surroundings of the hiking lodge Orlove Stine
42	4848724	6385433	Satrić, between Cvitkovići and Domazeti
43	4843221	5613153	Vrba
44	4843194	5615174	Radunić
45	4841573	5616642	Bidnići
46	4840382	5616495	Muč, along the Suvova stream
47	4840149	5618757	Muč, Šegovića Brig
48	4844922	5619850	Ogorje, between Buliči and Čolaci
49	4845122	6378960	Gornje Ogorje, Gornji Buliči

No. of locality	Gauss-Krüger's coordinates		Locality
	X	Y	
50	4845708	6380392	Gornje Ogorje, Gornji Muslimi
51	4846414	6381227	Gornje Ogorje, northeast above Tešije
52	4847008	6381255	Hiking trail between Jačmenjaci and Gole Kose
53	4846437	6381812	Zelovo-G. Ogorje road, along the N-slopes of Busovača hill
54	4845633	6380774	Gornje Ogorje, between Tešije and Gornji Muslimi
55	4844812	6381290	Gornje Ogorje, between Tešije and Jeličići
56	4843247	6380664	Zelovo, between Tokići and Kokani
57	4843950	6381117	Zelovo, the surroundings of St Anne's Church
58	4844228	6381825	Zelovo, the surroundings of Jeličići
59	4842708	6381604	Gornje Ogorje, the surroundings of Kokani
60	4839861	5621829	Muč, the surroundings of Stričevići
61	4840061	6382881	Sutina, the surroundings of Mijići
62	4842058	6382962	Zelovo stables, along the road Zelovo-Sutina
63	4841226	6384854	Sutina stream, beech forest, the west of Đipalo
64	4841510	6385376	Sutina stream, the west of Đipalo
65	4846035	6383355	Zelovo, the surroundings of Lađa
66	4846347	6383669	Zelovo, Domazeti
67	4846264	6384095	Zelovo, the surroundings of Jukići
68	4847205	6387655	A quarry, along the Hrvace-Zelovo road
69	4843168	6387000	Lučane
70	4843947	6388970	Karakašica

## RESULTS AND DISCUSSION

### Flora

Based on the literature data and our own research, the first comprehensive list of vascular flora of Mt Svilaja was made (App. 1, Tab. 1). Altogether, it contains 1285 taxa i.e., nearly 25% of the total flora in Croatia (NIKOLIĆ, 2020a). In addition, 56 taxa were found exclusively in cultivation (App. 2, Tab. 2). The separate list of cultivated taxa can serve as a starting point for some future research of cultivated flora in the area.

The total number of taxa on Mt Svilaja is higher than on Mosor (872 taxa), Kozjak (604), and Matokit (604), and more or less similar to those on Risnjak (1148 taxa), Papuk (1223) and Biokovo (~1400) (Tab. 2). These differences can be explained by size and altitude range of the massifs, geographical position, climatic conditions and related phytogeographical characteristics, and degree of the scientific knowledge about each of them. For example, the lower number of taxa on Svilaja than on Biokovo was expected due to the absence of taxa from the Mediterranean-climate evergreen ecosystems [e.g., *Arbutus unedo* L., *Pinus halepensis* Mill., *Aurinia sinuata* (L.) Griseb., taxa of the genus *Cistus* L., *Euphorbia characias* L. subsp. *wulfenii* (Hoppe ex W.D.J.Koch) Radcl.Sm. (found only in cultivation), *Juniperus phoenicea* L., *Quercus ilex* L., *Tanacetum cinerariifolium* (Trevir.) Sch.Bip., etc.]. In this study, *Salvia officinalis* L. was very rare and found with a few individuals only near the village of Lemeš (x = 4861547, y = 5607414). VLADOVIĆ *et al.* (2019) have reported it for Sutina. In addition, LOVRIĆ *et al.* (1987) observed that the association *Stipo-Salvietum officinalis* Horvatić (1956) 1958 is frequent on the lower altitudes of Svilaja.



**Tab. 2.** The number of taxa (species and infraspecific taxa) on the Mt Svilaja and its comparison to other mountains in Croatia.

Mountain	Max. altitude (m a.s.l.)	Vegetation region	No. of taxa	Source
Biokovo	1764	Mediterranean	~1400	ŠILIĆ & ŠOLIĆ, 2002
Matokit	1062	Mediterranean	604	VITASOVIĆ-KOSIĆ <i>et al.</i> , 2020
Mosor	1340	Mediterranean	872	VLADOVIĆ, 1994
Kozjak	779	Mediterranean	604	KAMENJARIN, 1996
Svilaja	1508	Euro-Siberian	1285	This study
Risnjak	1528	Euro-Siberian	1148	<a href="https://np-risnjak.hr/flora/">https://np-risnjak.hr/flora/</a>
Papuk	953	Euro-Siberian	1223	PANĐA, 2010

The number of taxa recorded should not be considered final. Some localities, particularly at higher altitudes, were impossible to visit in all seasons. Subsequent research should further reconsider some doubtful and dated records of taxa. Although this study was conducted at 70 localities that cover the entire area of Svilaja, it still gives only a partial insight into the distribution of individual taxa.

### Previously recorded and doubtful taxa

Of the total number of taxa (1285) on Mt Svilaja, 1157 taxa were found during our own field research from 2013 to 2019. Among them, 552 taxa are listed for the first time for the mountain. We did not confirm findings for 128 of the 733 previously recorded taxa. Findings of some taxa reported from the literature still remain dubious, and further investigation needs to be done to complete the picture of flora.

In this study, we have omitted several previously recorded orchid taxa (KRANJČEV, 2005). *Ophrys corniculata* R.Kranjčev is not valid. Additionally, some taxa reported from DELFORGE (2006a, b) and NIKOLIĆ (2020a) do not occur on the territory of Croatia: *Ophrys holubyana* Andrasovszky, *O. philippeii* Gren., *O. aegirtica* P.Delforge, *O. annae* Devillers-Tersch. & Devillers, *O. gracilis* (Büel, O.Danesch & E.Danesch) Englmaier, *O. linearis* (Moggr.) P. Delforge, Devillers & Devillers-Tersch. *Micromeria parviflora* Rchb. and *Minuartia juniperina* (L.) Maire & Petit, reported by LOVRIĆ & RAC (1989) for "Svilaja Mountain range" (Svilaja and Veliki Kozjak), were also omitted, since Flora Croatica Database (FCD) does not recognize them as members of the Croatian flora (NIKOLIĆ, 2020a). In addition, the taxon *Hieracium balbisianum* Arv.-Touv. & Briq. was also not included in the floristic list. JENCHEN (1908) found it on the southern slopes of Svilaja, but his finding has never been confirmed, including this study. As a consequence it was not included in FCD (NIKOLIĆ, 2020a).

Previously, only about 400 taxa were known for the Svilaja area (MILOVIĆ *et al.*, 2020). These data originated from the published data in the 19<sup>th</sup> and early 20<sup>th</sup> centuries (PETTER, 1832; VISIANI, 1842, 1847, 1852, 1872; JANCHEN, 1908), in the second half of the last century (MARKOVIĆ, 1964, 1992; LOVRIĆ *et al.*, 1987, 1989; LOVRIĆ & RAC, 1989; TRINAJSTIĆ, 1992) and in more recent articles (KRANJČEV, 2005; ŠEGOTA, 2016; ŠEGOTA *et al.*, 2016, MILOVIĆ *et al.*, 2013, MILOVIĆ & KARAOLE, 2016). The largest number of previously recorded taxa (519) originated from the recently published professional publication "Significant Landscape of Sutina" (VLADOVIĆ *et al.*, 2019). However, we did not

include several taxa from this publication, i.e. those taken from DEGEN *et al.* (1908), because Sutina is not only a site on Svilaja, but a site with the same name exists on the slopes of Mt Dinara near the village of Ježević, an area not included in this study. JANCHEN (1908: 77) has already drawn attention to the confused state of records at localities that have the same name.

In our study, among the taxa listed in VLADOVIĆ *et al.* (2019), as many as 66 taxa were not confirmed. Actually, half of the surface area of "Sutina" is located outside the boundaries of our study area (on the northern slopes of the hill Visošnica).

We have included several endemic taxa from previous studies, although some of them can be considered doubtful for the mountain. Among them, the record of *Asperula scutellaris* Vis. is doubtful (LOVRIĆ & RAC 1989, "Svilaja mountain range"). According to BOGDANOVIĆ (2015a), this plant species occurs only on Vis Archipelago and Dugi Otok island, while other records (e.g., the island of Pag, Mt Svilaja) are also doubtful.

The Croatian endemic *Chouardia lakusicii* (Šilić) Speta reported by ŠEGOTA (2016) from the southern slopes of Svilaja may also be reconsidered. In this study, this species was not found. As the morphologically very similar *Ch. litardierei* (Breistr.) Speta is abundant in the surrounding flooded areas and on damp habitats (Cetinsko Polje, Vrličko Polje and Sinjsko polje, the Sutina stream), we assume that the previously noted record of *Ch. lakusicii* should most likely really be that of *Ch. litardierei*, whose seeds have been spread by birds to dry grasslands. The first author of this article has also found individuals of *Ch. litardierei* on a dry meadow along the edge of the Čikola Canyon near the village of Brnjica.

The presence of *Crocus tommasinianus* Herb. is also doubtful. LOVRIĆ *et al.* (1989) reported this species from the highest altitude grasslands ("Svilaja Mountain range") of Svilaja and Veliki Kozjak, and ŽEVRNJA & VLADOVIĆ (2005) for the village of Neorić. The photo of "*C. tommasinianus*" from ŽEVRNJA & VLADOVIĆ (2005) includes the purple tube of the perigone and it may be concluded that the taxon actually belongs to *C. purpureus* Weston [*C. neapolitanus* (Ker Gawl.) Ascherson], distributed over the entire Svilaja, and also frequent in Neorić.

## Floristic analysis

The vascular flora of Svilaja contains 1285 species and subspecies classified within 502 genera and 109 families (Tab. 3). The average number of taxa per family and genus is 11.79 and 2.56, respectively.

The families with the highest number of taxa (Tab. 4) were *Poaceae* (113 taxa, 8.79%), *Asteraceae* s. str. and *Fabaceae* (112 taxa each, 8.72%), which together made up 26.23% of the taxa of the total vascular flora on Svilaja. These families also prevail in the flora of some other areas in Croatia: Šibenik and its surroundings (MILOVIĆ, 2002), Papuk (PANDŽA, 2010), Biokovo (RADIĆ, 1976), Mosor (VLADOVIĆ, 1994) and Matokit (VITASOVIĆ-KOSIĆ *et al.*, 2020), as well as in the total flora of Croatia (NIKOLIĆ & TOPIĆ, 2005).

Sixteen genera contained more than 10 taxa. The genera with the highest number of taxa were: *Trifolium* (23 taxa), *Carex* (20), and *Centaurea* (17) (Tab. 5). These taxa contributed the most in the vegetation of dry grasslands on Svilaja.

**Tab. 3.** The number of taxa of the flora of Mt Svilaja

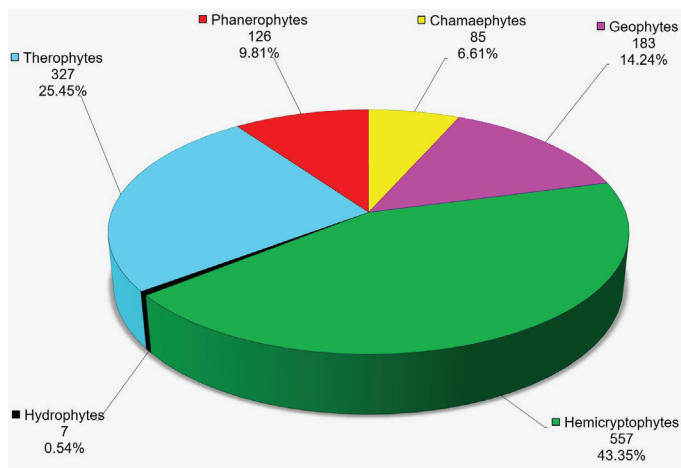
Taxon	Pteridophytes	Gymnosperms	Angiosperms		Total
			Dicots	Monocots	
Families	7	2	84	16	109
Genera	8	3	390	101	502
Species	17	4	817	236	1074
Subspecies	2	4	167	38	211
Species + subspecies	19	8	984	274	1285
% of total no. of taxa	1.48	0.62	76.58	21.32	100

**Tab. 4.** List of families including more than 20 taxa.

Family	No. of taxa	% of total no. of taxa
<i>Poaceae</i>	113	8.79
<i>Asteraceae</i>	112	8.72
<i>Fabaceae</i>	112	8.72
<i>Lamiaceae</i>	61	4.75
<i>Cichoriaceae</i>	58	4.51
<i>Apiaceae</i>	55	4.28
<i>Scrophulariaceae</i>	55	4.28
<i>Brassicaceae</i>	53	4.12
<i>Caryophyllaceae</i>	53	4.12
<i>Orchidaceae</i>	51	3.97
<i>Rosaceae</i>	49	3.81
<i>Ranunculaceae</i>	30	2.33
<i>Cyperaceae</i>	26	2.02
<i>Asparagaceae</i>	24	1.87
<i>Boraginaceae</i>	21	1.63
Other families (94)	412	32.06
Total (109)	1285	100.00

**Tab. 5.** List of genera containing more than 10 taxa.

Genus	No. of taxa
<i>Trifolium</i>	23
<i>Carex</i>	20
<i>Centaurea</i>	17
<i>Ophrys</i>	14
<i>Ranunculus</i>	14
<i>Allium</i>	13
<i>Vicia</i>	13
<i>Bromus</i>	12
<i>Crepis</i>	12
<i>Lathyrus</i>	12
<i>Orchis</i>	12
<i>Silene</i>	12
<i>Veronica</i>	12
<i>Festuca</i>	11
<i>Geranium</i>	11
<i>Verbascum</i>	11



**Fig. 3.** Life-form spectrum on the Mt Svilaja.

## Analysis of life forms and geoelements

The analysis of life forms (Fig. 3) showed the predominance of hemicryptophytes (557 taxa, 43.35%) and therophytes (327, 25.45%). Geophytes (14.24%) and phanerophytes (9.81%) contributed significantly lower. The dominance of hemicryptophytes and therophytes is in accordance with the climatic conditions and the dominant types of vegetation units (RAUNKIER, 1934; HORVAT, 1949, MILOVIĆ *et al.*, 2020).

The mountain is located on the border of the Euro-Siberian and Mediterranean vegetation regions, where the climate becomes colder and wetter as the altitude increases, and the influence of the Mediterranean climate becomes weaker. The vegetation is dominated by grasslands, thickets and forests which often contain hemicryptophytes. Therophytes frequently occur in the anthropogenic habitats (settlements, agricultural areas) located on the lower slopes of Svilaja. However, for a simple illustration, Svilaja had a lower percentage contribution of hemicryptophytes and a higher of therophytes than Papuk (in continental Croatia) and *vice versa*. Additionally, a higher contribution of hemicryptophytes and a lower of therophytes were found on Mosor due to lower altitudes and closer proximity to the Adriatic coast, and Šibenik (coastal area with a Mediterranean climate) as well as in the spectrum of life forms of the Mediterranean as a whole (Tab. 6).

**Tab. 6.** Life-form spectrum of Mt Svilaja in comparison to Mt Mosor (VLADOVIĆ, 1994), Mt Papuk (PANDŽA, 2010), Mt Matokit (VITASOVIĆ-KOŠIĆ *et al.*, 2020), Šibenik and surroundings (MILOVIĆ, 2002) and in the Mediterranean region as a whole (HORVAT, 1949). P – phanerophytes, Ch – chamaephytes, H – hemicryptophytes, G – geophytes, T – therophytes, Hy – hydrophytes.

Area	Life-form (%)					
	P	Ch	H	G	T	Hy
Mediterranean	12	6	29	11	42	-
Šibenik and surroundings	8.84	6.51	30.33	10.51	42.79	1.02
Mt Mosor	14.92	9.28	35.14	11.79	28.43	0.47
Mt Svilaja	9.81	6.61	43.35	14.24	25.45	0.54
Mt Matokit	10.76	10.76	39.90	12.42	26.16	-
Mt Papuk	12.43	3.52	48.16	12.92	20.52	2.45

The Mediterranean geoelement (299 taxa, 23.27%), mostly circum-Mediterranean plants, was followed by a considerable proportion of South European (269, 20.93%) and Eurasian (224, 17.43%) plants (16.99 %) (Tab. 7). This was expected due to the geographical and the phytogeographical position of the mountain. The influence of the Mediterranean climate on Svilaja is less pronounced than on Mosor and Šibenik, which is reflected in the significantly lower contribution of the Mediterranean geoelement (Tab. 8). On the other hand, the presence of widespread plants (14%), and cultivated and alien plants (7.24%) may be used as an indicator of the intensity of human influence. These plant species were less common in the higher altitudes and uninhabited areas than on the lower slopes of Svilaja where the anthropogenic impact is more pronounced.



**Tab. 7.** Analysis of the geoelements on the Mt Svilaja

Geoelement	No. of taxa	%
<b>MEDITERRANEAN</b>	<b>299</b>	<b>23.27</b>
Circum-Mediterranean plants (ME-circ)	114	8.87
West Mediterranean plants (ME-west)	7	0.54
East Mediterranean plants (ME-east)	18	1.40
Illyrian Mediterranean plants	106	8.25
Illyrian-South European plants (ME-ilseu)	19	1.48
Illyrian-Adriatic plants	87	6.77
Illyrian-Adriatic endemic plants (ME-ilade)	70	5.45
Illyrian-Apennine plants (ME-ilape)	17	1.32
Mediterranean-Atlantic plants (ME-atl)	26	2.02
European Mediterranean plants (ME-eu)	11	0.86
Mediterranean-Pontic plants (ME-po)	17	1.32
<b>ILLYRIAN-BALKANIC</b>	<b>51</b>	<b>3.97</b>
Balkan-ic-Apennine plants (ILBA-baap)	8	0.62
Illyrian-Balkan-ic endemic plants (ILBA-end)	43	3.35
<b>SOUTH EUROPEAN</b>	<b>269</b>	<b>20.93</b>
South European-Mediterranean plants (SEU-me)	159	12.37
South European-Pontic plants (SEU-po)	61	4.75
South European-mountain plants (SEU-mo)	31	2.41
South European-continental plants (SEU-co)	9	0.70
South European-Atlantic plants (SEU-atl)	9	0.70
<b>EAST EUROPEAN-PONTIC (EEUPO)</b>	<b>24</b>	<b>1.87</b>
<b>SOUTHEAST EUROPEAN (SEEU)</b>	<b>24</b>	<b>1.87</b>
<b>CENTRAL EUROPEAN (CEU)</b>	<b>32</b>	<b>2.55</b>
<b>EUROPEAN (EURO)</b>	<b>53</b>	<b>4.12</b>
<b>EURASIAN (EUAS)</b>	<b>224</b>	<b>17.43</b>
<b>CIRCUM-HOLARCTIC PLANTS (CIHO)</b>	<b>37</b>	<b>2.88</b>
<b>WIDESPREAD PLANTS (WISP)</b>	<b>179</b>	<b>13.93</b>
<b>CULTIVATED &amp; ALIEN PLANTS (CUAP)</b>	<b>93</b>	<b>7.24</b>
<b>T O T A L</b>	<b>1285</b>	<b>100.00</b>

**Tab. 8.** Percentage contribution of the geoelements in the flora of Mt Svilaja comparison to that of Mt Mosor (VLADOVIĆ, 1994), Šibenik and its surroundings (MILOVIĆ, 2002) and Mt Papuk (PANDŽA, 2010).

Area	Geoelement (%)					
	Mediterranean	S European	Eurasian	European	Widespread	Cult. & alien
Šibenik and surroundings	37.86	20.65	10.33	3.44	15.53	8.09
Mt Mosor	32.91	22.02	12.15	3.78	13.42	7.57
Mt Svilaja	23.27	20.93	17.43	4.12	14.00	7.24
Mt Papuk	1.96	17.83	27.39	12.18	17.58	6.54

## Endemic, endangered and protected plant taxa

In total, 202 taxa (15.72%) belong to at least one of the groups of special interest for conservation (endemics, endangered or strictly protected taxa, *sensu* Croatian law). There are no real mountain endemics. Seventy-six taxa (5.91%) were considered to be endemic (Tab. 9, *sensu* NIKOLIĆ *et al.*, 2015), mostly belonging to the group of Illyrian-Adriatic endemics. Croatian endemic taxa presented on Svilaja are: *Arenaria orbicularis* Vis., *Iris adriatica* Trinajstić ex Mitić, *Knautia adriatica* Ehrend., *K. dalmatica* Beck, *Ophrys dinarica* Kranjčev & P.Delforge, *O. liburnica* Devillers & Devillers-Tersch., *O. rhodostephane* Devillers & Devillers-Tersch., etc.

**Tab. 9.** Number of taxa of special interests for conservation in Croatia found on Mt Svilaja

Category	No. of taxa	% of total no. of taxa
Endemics (end; <i>sensu</i> Nikolić <i>et al.</i> , 2015)	76	5.91
Critically Endangered (CR)	1	0.08
Endangered (EN)	8	0.62
Vulnerable (VU)	25	1.95
CR+EN+VU	34	2.65
Near Threatened (NT)	33	2.57
Data Deficient (DD)	38	2.96
Least Concern (LC)	21	1.63
NT + DD + LC	92	7.16
Croatian strictly protected (sp)	155	12.06

The contribution of endemics on Svilaja may be compared to that on Matokit (5.30%), but it is lower than in Paklenica National Park (9.77%) in the southern Veljebit (ALEGRO, 2004).

Among the endemics, the presence of *Scabiosa delminiana* Abadžić should be stressed. This plant was recently described as new for science on Mt Lip (Lib) on the edge of Duvanjsko Polje in neighboring Bosnia and Herzegovina (ABADŽIĆ, 2007). Until now, the only known locality in Croatia so far was along the Butižnica River, a tributary of the Krka River (ABADŽIĆ, 2007; NIKOLIĆ *et al.*, 2014). We found a large population with several hundred individuals on the sub-Mediterranean montane calcareous rocky grasslands on shallow soils of the alliance *Saturejion subspicatae* Tomić-Stanković 1970, on the southeastern slopes on the locality of Orlove Stine ( $x = 4848222$ ,  $y = 6381723$ ) not far from the hiking lodge.

Further, the endemic taxon *Hyacinthella dalmatica* (Baker) Chouard, common in Dalmatia, is abundant on rocky and hilly grasslands on the northern (Lemeš, Maovice, Vrlika) and the southern slopes (Ogorje, Zelovo) of Svilaja.

In total, 34 taxa (2.66%) are included in the Croatian Red List (NIKOLIĆ & TOPIĆ, 2005, NIKOLIĆ, 2020b). One species (*Vaccaria hispanica* (Miller) Rauschert) is Critically Endangered (CR). Eight taxa (e.g., *Delphinium peregrinum* L., *Hibiscus trionum* L., *Hordeum secalinum* Schreb., *Ophrys apifera* Huds., etc.), are considered Endangered (EN), while 25 are classified as Vulnerable (VU), i.e., *Alopecurus rendlei* Eig., *Arctostaphylos uva-ursi* (L.) Spreng., *Ilex aquifolium* L., *Lilium carnolicum* Bernh. ex W.D.J.Koch,

*Ophrys bertolonii* Moretti, *Orchis militaris* L., *O. simia* Lam., *Platanthera bifolia* (L.) Rich., *Polygonatum latifolium* (Jacq.) Desf., etc.

In total, 92 taxa have been classified as Nearly Threatened (NT), Least Concern (LC), or Data Deficient (DD) (NIKOLIĆ & TOPIĆ, 2005, NIKOLIĆ, 2020b). Some of these taxa are *Hymenolobus procumbens* (L.) Nutt., *Hyssopus officinalis* L., *Polycnemum arvense* L., *Pulsatilla grandis* Wender., *Ruscus aculeatus* L., *Teucrium arduini* L., *Tulipa sylvestris* L., etc.

In total, 155 taxa (12.06%) found on Svilaja are strictly protected in Croatia (ANONYMOUS, 2013). This also includes all endemics, endangered taxa, orchids (*Orchidaceae*), and taxa from the genera *Dianthus* and *Iris*, etc.

Svilaja is characterized by a rich orchid flora containing 51 taxa (3.97%) and includes several endemic taxa of the genus *Ophrys*: *O. dinarica* Kranjčev & P.Delforge, *O. liburnica* Devillers & Devillers-Tersch., *O. rhodostephane* Devillers & Devillers-Tersch., *O. sphegodes* Mill. subsp. *tommasinii* (Vis.) Soó, *O. tetraloniae* W.P.Teschner and *O. untchjii* (M.Schulze) P.Delforge. The high number of orchid taxa found on Svilaja, especially on its southwestern slopes in the vicinity of Muć, has also been pointed out by several authors (GOLUBIĆ, 1999, 2001; KRANJČEV, 2005; DELFORGE, 2006; MILOVIĆ *et al.*, 2013; ŠEGOTA, 2016). Rocky dry grasslands and open forests that occupy relatively large areas on Svilaja represent favourable habitats for various orchid species. The taxa *Ophrys annae* Devillers-Tersch. & Devillers, *O. gracilis* (Büel, O.Danesch & E.Danesch) Englmaier and *O. serotina* Rolli ex Paulus, reported for Svilaja (Muć, Postinje) by KRANJČEV (2005) are designated as doubtful in FCD (NIKOLIĆ, 2020).

DELFORGE (2006a) visited several localities on Svilaja in the period from 2002 to 2006, and concluded that (i) *O. annae*, *O. gracilis*, and *O. serotina* do not occur in Croatia, (ii) the findings of KRANJČEV (2005) published under the above mentioned names have to be attributed to the taxon *O. tetraloniae*, (iii) two hybrids also grow on Svilaja: *Ophrys* × *kranjcevi* P.Delforge (*O. dinarica* × *O. untchjii*) in Karakašica, and *Cephalanthera* × *schulzei* E.G.Camus, Bergon, A.Camus (*C. damasonium* × *C. longifolia*) in Zelovo, (iv) of particular importance is the record of *Epipactis placentina* Bongiorno & Grünanger from Zelovo (site 262, XJ2344, 780 m a.s.l.). This is the first record of *E. placentina* for Croatia and needs to be included in the FCD. We found a population of about 100 individuals of *E. placentina* in the forest near Gornje Ogorje, south of the settlements of Šunjići and Jelavići (x = 4844918, y = 6382266).

## Rare species of Croatian and Dalmatian flora on Svilaja

This section reports the records of several rare taxa either for a whole Croatian territory or for Dalmatia with the aim of contributing to the current state of knowledge of their distribution range (for details on the previous distribution range for each taxon see FCD; NIKOLIĆ, 2020a).

*Achnatherum calamagrostis* (L.) P.Beauv. (*Poaceae*) is a South European-montane taxon, known only in a few localities in Croatia: in the northern part of the Krka National Park (Grčići), next to Krčić waterfall, the spring of the Una River, on Mt Dinara (Brezovac) and on the island of Hvar. On Svilaja, it occurs along the edges of the mountain road south of the Orlove Stine hiking lodge (x = 4847487, y = 6381670; x = 4847029, y = 6381313).

*Carlina acanthifolia* All. (*Asteraceae*) occurs predominantly in the mountainous areas of southern and eastern Central Europe. It is relatively rare in Croatia (Istria, Gorski Kotar, Lika, Nova Gradiška in Slavonia). The records on Svilaja (Lemeš, Razvale Maovičke, Orlove Stine) are currently the southernmost in Croatia.

*Delphinium fissum* Waldst. & Kit. (*Ranunculaceae*) is a Eurasian species that grows on mountain pastures. In Croatia, it is known only at a few sites: Paklenica, Poljica Kozička and Mosor. Several individuals were found on the grasslands on the southern slopes of Orlove Stine.

*Dianthus carthusianorum* L. subsp. *sanguineus* (Vis.) Hegi (*Caryophyllaceae*) is rare in terms of the number of localities in Croatia. It is found in Istria, Samobor Hills and at several sites in Lika. In Dalmatia, the only record originated from Mt Biokovo (RADIĆ, 1976). In this study, we found it in Gornje Ogorje (between Tešije and Jeličići).

*Erodium acaule* (L.) Bech. & Thell. (*Geraniaceae*) is a Mediterranean-montane plant species that was recently included in Croatian flora based on findings from southern Istria and the island of Krk (TOPIĆ *et al.*, 1998). It was later found in the vicinity of Bibinje and on the island of Silba, northern Dalmatia (BOGDANOVIĆ *et al.*, 2013), but it probably has a wider distribution in the coastal area of Croatia. Some authors have so far not distinguished it from the morphologically similar *E. cicutarium* (L.) L Hér. This therophyte grows mostly as a weed in crops, while *E. acaule* occurs on dry places, mostly in rocky grasslands and garrigues (TOPIĆ *et al.*, 1998). On Svilaja, we found it in several localities on dry grasslands near Lemeš, next to the Sv. Jure hiking lodge, in Maovice (between Režići and Baturine), Maljkovo and near the settlement of Vrba.

*Euphorbia barrelieri* Savi subsp. *hercegovina* (Beck) Kuzmanov (*Euphorbiaceae*) is a subspecies endemic to Croatia, Bosnia and Herzegovina, and Montenegro. Its taxonomic status with respect to the morphologically similar *E. triflora* Schott, Nyman & Kotschy has not yet been fully resolved (JASPRICA *et al.*, 2009; NIKOLIĆ *et al.*, 2014; FRAJMAN & SCHÖNSWETTER, 2017). In Croatia, it was known only from sites in the vicinity of Cavtat and on Pelješac Peninsula. The record from Svilaja originated from the area of Lučani ( $x = 4843059$ ,  $y = 6387053$ ).

*Gentiana dinarica* Beck (*Gentianaceae*) is endemic to the Dinarides (Croatia, Bosnia and Herzegovina, Montenegro). It occurs on alpine and subalpine calcicolous swards (ŠILIĆ, 1984). The only record for Croatia originated from the southwestern slopes of Svilaja, above the settlements of Ogorje and Zelovo (ŠEGOTA, 2016). Additionally, we found a larger population of *G. dinarica* on rocky grassland in the vicinity of the hiking lodge below Orlove Stine ( $x = 4848174$ ,  $y = 6381626$ ).

*Gypsophila fastigiata* L. (*Caryophyllaceae*) is a central and eastern European species that favours continental ridged forests, sandy soils and calcareous rocks. In Croatia, it is found on the southern border of its distributional range, but known only at a few sites: Mt Kalnik and North Velebit National Park. On Svilaja, it was found on dry grasslands in several places south of Orlove Stine ( $x = 4847991$ ,  $y = 6381653$ ;  $x = 4847024$ ,  $y = 6381289$ ).

*Ilex aquifolium* L. (*Aquifoliaceae*) is an endangered (VU) taxon in Croatia. It grows in beech forests. In Svilaja, several individuals were found in a beech forest near Sutina ( $x = 4841226$ ,  $y = 6384924$ ). This is the only record in Dalmatia and the southernmost locality for Croatia. TAFRA *et al.* (2012) reported this species from cultivation in Omiš.



*Iris adriatica* Trinajstić ex Mitić (*Iridaceae*) is an endemic taxon for the coastal area and islands in northern and central Dalmatia. On Svilaja, a population of a hundred individuals has been found on rocky grassland, along the Drniš-Vrlika road, near Štikovo (x = 4861624, y = 5604635). This is the locality the most remote from the Adriatic coast.

*Knautia adriatica* Ehrend. and *K. dalmatica* Beck (*Dipsacaceae*) are Croatian endemics from Dalmatia. *Knautia adriatica* occurs in the vicinity of Zadar and Biograd and in the hinterland of Šibenik (Trtar), while *K. dalmatica* grows on Kamešnica, Mosor, Svilaja, Kozjak and the island of Brač (BOGDANOVIĆ, 2015b). The area of Svilaja represents the boundary between the ranges of these two species. A small population of *K. adriatica* was found on the rocky grassland in Ogorje (Kokani) next to wind turbines (x = 4842708, y = 6381648) and in the vicinity of the Golubinka pit (x = 4847265, y = 5621393). Several individuals of *K. dalmatica* were found in the vicinity of Čavoglave (x = 4849815, y = 5607759) and along the hiking trail east of Crni Umac.

*Knautia clementii* (Beck) Ehrend. (*Dipsacaceae*), endemic to the central Dinarides, occurs in Croatia and Bosnia and Herzegovina. In Croatia, it has been recorded at several localities on central and southern Velebit, on Dinara and near Vrlika (Ježević) (BOGDANOVIĆ, 2015a). Specimens of this plant species were collected on a hilly grassland between Ogorje and Zelovo.

*Knautia travnicensis* (Beck) Szabó (*Dipsacaceae*) is endemic to the central Dinarides (Croatia and Bosnia and Herzegovina). In Croatia, it is known for several localities on Velebit, Dinara and Plješivica. On Svilaja, a new locality for Croatia was discovered between Ogorje and Zelovo.

*Lamium bifidum* Cirillo (*Lamiaceae*) is a eu-Mediterranean taxon, found in Croatia only at a few localities: Trogir and Svilaja (VISIANI, 1847: 211), Seoci and Kotlenice on Mosor (VLADOVIĆ & ILIJANIĆ, 1993), and Sutina on Svilaja (VLADOVIĆ *et al.*, 2019). According to the presence of several images in FCD (uncoded data), the species was also found in the island of Brač and vicinity of the town of Cavtat in South Dalmatia. We found several individuals in the vicinity of Raketici stables (x = 4859944, y = 5602552).

*Lathraea squamaria* L. (*Scrophulariaceae*) is a species of Eurasian distribution that parasitizes on the roots of deciduous trees (PIGNATTI, 1982). In Croatia, it is distributed in continental part of the country, and in Trilj, which is the only site in Dalmatia. We found several individuals in Vrlika, in the forest near the Česma spring (Vrilo).

*Linum hirsutum* L. (*Linaceae*) is a central-eastern European – Pontic species (PIGNATTI, 1982). It is known from several localities in continental Croatia, while in the coastal part of Croatia it has been recorded only in two areas in Dalmatia: on Hrvatačko Polje and Pelješac Peninsula. We found a large population on the grasslands along the road through Lučane.

*Lomelosia graminifolia* (L.) Greuter & Burdet (*Dipsacaceae*) is a southern European species of colline and montane areas (PIGNATTI, 1982). In Croatia, it has been recorded in Gorski Kotar, Velebit, Plješivica and Biokovo. On Svilaja, it is widespread on limestone grasslands. We found it in several localities, especially along the hiking trail from Ogorje to Orlove Stine.

*Moenchia mantica* (L.) Bartl. (*Caryophyllaceae*) is a northern Mediterranean species (PIGNATTI, 1982). It is widespread in continental Croatia, but rare in the coastal area. It

was found on Dinara (TRINAJSTIĆ & ŠUGAR, 1972), Mosor (VLADOVIĆ & ILIJANIĆ, 1992) and on the island of Vis (DOMAC, 1955). We found it at two sites on Svilaja, in Maovice (between Režiči and Baturine) and Zelovo (Lađa).

*Nigella arvensis* L. (*Ranunculaceae*) grows most commonly in cereal fields. Most of the sites were found in continental Croatia, but they are rare in the Croatian coastal area: Donji Kamenjak (Istria), Šibenik, Solin, Hrvatačko Polje, the islands of Brač, Korčula and Mljet, and Trsteno near Dubrovnik. It was once widespread in Dalmatia (VISIANI, 1852; “*in agris et sativis totius Dalmatiae*”), but due to the abandonment of areas of cereal cultivation it became very rare. We found it on the western slopes of Svilaja (Gradac).

*Odontites vulgaris* Moench (*Scrophulariaceae*) is a Eurasian species common in continental Croatia and in the northern Adriatic, and it is very rare in Dalmatia: Krka National Park (Visovac) and Split. Previously reported data for Zadar, Drniš, and Dubrovnik (VISIANI, 1847: 174) have not been confirmed in recent times. The species has already been reported for Sutina (VLADOVIĆ *et al.*, 2019), and we found it on the southwestern slopes of Svilaja, in Gradac and Mirlović Polje (Vrba, Čikola).

*Onobrychis alba* (Waldst. & Kit.) Desv. (*Fabaceae*) is a circum-Mediterranean species. In Croatia, only a typical subspecies is present, and in only a few localities: Zagreb (Maksimir), Risnjak, Kozjak, Mosor, Biokovo and Snježnica (Konavle), and on the island of Čiovo. Several individuals were found in Gornje Ogorje (Kokani) and in the vicinity of Grabići.

*Onopordum acanthium* L. (*Asteraceae*) is a Eurasian species, relatively rare in continental Croatia, and even rarer along the Adriatic coast and the islands. In Dalmatia, it is known only from a few localities in the Krka National Park, Cetinsko Polje and Sinjsko Polje. The records from Drniš and the island of Hvar (VISIANI, 1847: 45) have not been recently confirmed. In this study, it is found in the several localities: Vrlika, Otišić, Maljkovo, Donje Ogorje, Bidnići and Gornje Ogorje (Kokani). This study confirmed the findings of VISIANI (1847: 45), from ruderal habitats on the hills around Sinj.

*Oxytropis dinarica* (Murb.) Wettst. (*Fabaceae*) is endemic to the Dinarides. In Croatia, it is distributed on Risnjak, Velebit, Poštak, Dinara and Biokovo. In this study, *O. dinarica* was found on meadows in the highest altitudes as LOVRIĆ *et al.* (1989) have previously reported.

*Pedicularis brachyodonta* Schloss. & Vuk. (*Scrophulariaceae*) is a taxon distributed in the northern and central parts of the Balkans. In Croatia, it is known on Klek (near Ogulin), Velebit, Šatorina and Plješivica. LOVRIĆ *et al.* (1989) reported the species from Svilaja and Veliki Kozjak, but we could not confirm their finding.

*Petteria ramentacea* (Sieber) C.Presl (*Fabaceae*) is an Illyrian-Balkan endemic species. In Croatia, it is found in central and southern Dalmatia. LOVRIĆ *et al.* (1987) reported it from the “southern dolomite slopes of Svilaja towards Muć and Dicmo”. In this study, its presence was not confirmed.

*Rapistrum rugosum* (L.) All. subsp. *rugosum* (*Brassicaceae*) is a species of circum-Mediterranean distribution. On the species level (*R. rugosum*), it was recorded in Istria and the Kvarner islands, while records from Dalmatia seem to be rare and mostly originated from the 19<sup>th</sup> century (VISIANI, 1852: 105). On the subspecies level, it

is known only from a few localities in Istria. The locality on Svilaja (Otavice) is only one outside of Istria.

*Rubus candicans* Weihe ex Rchb. (*Rosaceae*) is distributed in southern, western and central Europe. It is rare in Croatia, found mostly in the western part of the country and in Istria (Učka). On Svilaja, it was found only in the area of Samar.

*Sambucus racemosa* L. (*Caprifoliaceae*) is a circumboreal species that occurs mainly in the highest mountain forests. In Croatia, it is distributed in the area of Učka, Gorski Kotar, Velebit and Lika. In Dalmatia, it was recorded on Dinara and Pelješac Peninsula. On Svilaja, we recorded it in a burnt beech forest in Samar.

*Scrophularia bosniaca* Beck (*Scrophulariaceae*) is endemic to the southeastern Dinarides (Croatia, Bosnia and Herzegovina, Montenegro, Kosovo and Albania), and is mostly found in beech forests, rock crevices and ravines (ŠILIC, 1984). Until now, it was found on Dinara, while on Svilaja it was observed in the rock crevices of Lisina and Samar.

*Seseli elatum* L. subsp. *gouanii* P.W.Ball (*Apiaceae*) is endemic to northern Italy and the western part of the Balkans (Slovenia, Croatia and Bosnia and Herzegovina). In Croatia, the largest number of localities was observed in Hrvatsko Primorje and on Velebit, and others were also found in Istria (Ćičarija), Gorski Kotar and Gola Plješivica in Lika (MILOVIĆ, 2015). The finding on Svilaja (Orlove stine) is the only one in Dalmatia.

*Silene sendtneri* Boiss. (*Caryophyllaceae*) is endemic to the Dinarides, known in Croatia for only a few localities in Gorski Kotar, Plitvice Lakes and Dinara. LOVRIC *et al.* (1989) reported it, without specifying precise localities, for Veliki Kozjak and Svilaja. We found this taxon on a hilly meadow below Orlove stine (ca. 1000 m a.s.l.).

*Stachys thirkei* K.Koch (*Lamiaceae*) is distributed in the northeastern Mediterranean. In Croatia, the most localities were found in the Krka River Canyon, and others were also reported from Kvarner in the north to Biokovo in the south. On Svilaja, the species is very frequent (found in 18 localities) at lower altitudes. This species probably has a wider distribution in Croatia, and in some areas (Zadar, Split, Šibenik) was previously replaced by the closely related *S. cretica* L. subsp. *salviifolia* (Ten.) Rech.f.

*Tragopogon balcanicus* Velen. (*Cichoriaceae*) occurs in the northern and central Balkans. In Croatia, it was found in southern Velebit, near Šibenik, on Mosor and Biokovo, and in the Tjarica valley. On Svilaja, it was found at several localities: Čavoglave, Polje, Samar, Potravlje (Babići) and Gornje Ogorje (between Tešije and Jeličići).

*Typha domingensis* (Pers.) Steud. (*Typhaceae*) is a species of the temperate and tropical regions. In Croatia, it is known only from the island of Cres and from Lake Prokljan, the Krka River (MARKOVIĆ *et al.*, 1993). We believe that it has a wider distribution in the coastal part of Croatia where it is probably confused with a similar taxon *T. angustifolia* L. COOK (1980: 276) states that some of the records of *T. angustifolia* in South Europe perhaps refer to *T. domingensis*. On Svilaja, this taxon was found at several localities: Otavice, the confluence of the Vrba in Čikola, Gornje Polje (Crivac), Radunić, the Suvova stream near Muć, Gornje Ogorje (a pond near village of Kokani). VLADOVIĆ *et al.* (2019) recorded *T. angustifolia* for Sutina, and according to our opinion, this record is doubtful and may also be attributed to *T. domingensis*.

*Vincetoxicum fuscatum* (Hornem.) Rchb.f. (*Asclepiadaceae*) is a Southeast European species that grows in rocky dry habitats (MARKGRAF, 1972). In Croatia, only a few

localities have been recorded for the islands of Brijuni, Cres, Krk, Lošinj and Hvar, and Šćadin (Blato na Cetini). On Svilaja, the species was found in Orlove Stine, Gornje Ogorje (Tešija) and along the hiking trail between Jačmenjaci and Gole Kose.

### Cultivated, alien and invasive species

In total, 93 cultivated and adventitious plants taxa (7.24%) were found. This is in accordance with the data obtained for Mosor and Papuk (Tab. 8), but significantly lower than in the urban areas along the Croatian coast (RUŠČIĆ, 2002; TAFRA *et al.*, 2012, MILOVIĆ & MITIĆ, 2012). Cultivated and alien plants are mainly related to ruderal and weed vegetation in settlements on the lower altitudes on Svilaja, while they are almost completely absent in the higher vegetation belts.

The most common were alien species – intentionally (for cultivation) and unintentionally introduced species with different degrees of domestication (*sensu* RICHARDSON *et al.*, 2000; PYŠEK, 2004). Among them, special attention was paid to invasive taxa that can cause disturbances in the phytocoenosis. In total, 37 taxa (2.88%) were considered invasive (for details see BORŠIĆ *et al.*, 2008, and NIKOLIĆ *et al.*, 2014) on Svilaja. The most invasive taxa were found in one to three localities only: e.g., *Acer negundo* L., *Amaranthus albus* L., *A. blitoides* S.Watson, *A. hybridus* L., *Ambrosia artemisiifolia* L., *Amorpha fruticosa* L., *Artemisia annua* L., *A. verlotiorum* Lamotte, *Bidens subalternans* DC., *Chamomilla suaveolens* (Pursh) Rydb., *Conyza bonariensis* (L.) Cronquist, *Cuscuta campestris* Yunck., *Datura wrightii* Regel, *E. prostrata* Aiton, *Juncus tenuis* Willd., *Panicum capillare* L., *Paulownia tomentosa* (Thunb.) Steud., *Sorghum halepense* (L.) Pers., and *Xanthium spinosum* L. The findings of the *Reynoutria japonica* Houtt. (Gornje polje, Crivac) and *Solidago gigantea* Aiton (Gradac), quite rare taxa along the Croatian coastal area, but widespread in the continental area of Croatia (NIKOLIĆ, 2020a), were of particular interest. The most frequent invasive species on Svilaja were: *Ailanthus altissima* (Mill.) Swingle, *Amaranthus retroflexus* L., *Broussonetia papyrifera* (L.) Vent., *Conyza canadensis* (L.) Cronquist, *Erigeron annuus* (L.) Pers., *Helianthus tuberosus* L., *Robinia pseudoacacia* L., and *Veronica persica* Poir. Additionally, MARKOVIĆ (1964) recorded an invasive species *Lepidium virginicum* L. within the ruderal vegetation in Vrlika, but the record was not confirmed in our study.

However, this study showed that distribution of aliens is localized in the anthropogenic habitats in settlements and its surroundings and, at this moment, does not pose a threat to natural habitats.

In the settlements on Svilaja, numbers of horticultural species with the ability to spread outside cultivation were recorded. They were: *Alcea rosea* L., *Aster lanceolatus* Willd., *Calendula officinalis* L., *Campsis radicans* (L.) Seen., *Fallopia baldschuanica* (Regel) Holub, *Gaillardia aristata* Pursh., *Ipomoea purpurea* Roth, *Lilium candidum* L., *Mirabilis jalapa* L., *Oxalis articulata* Savigny, *Paulownia tomentosa* (Thunb.) Steud., *Tagetes patula* L., etc. Among them, two ornamental plant species need to be highlighted: (i) *Hemerocallis fulva* (L.) L., already known from several localities in Croatia (NIKOLIĆ, 2020a), is distributed in cultivation over a large area in settlements on Svilaja. It was also found outside cultivation in Miočić, Gradac (Vidovići), between Polje and Čavoglave, Crivac, Satrić, Muć (near Suvova stream) and Karakašica; (ii) *Oenothera speciosa* Nuttall is also found in Miočić. The species has to be included in FCD as a new member of Croatian flora found for the first time outside the culture.



## CONCLUSIONS

The study provides a comprehensive floristic list of the Mt Svilaja for the first time. Mt Svilaja hosts a high number of vascular plant taxa and this confirms its position within the Western Balkans as a high biodiversity hotspot. This moderately high limestone mountain located in the transitional zone between the alpine-high-Nordic and the oro-Mediterranean floristic regions (*sensu* STEVANOVIĆ, 1996) has a humid climate with warm summers and covers a high altitude range. All these, including a long-term human impact, account for the mountain being an excellent reservoir of biodiversity, and particularly of orchids. It has a considerable proportion of Croatian endemics, and a high capacity to host important species from a conservation point of view, while having a low number of invasive plant species.

The transitional position between two floristic and vegetation (Mediterranean and Euro-Siberian) regions is also confirmed by the analysis of the life-forms and geoelements. The domination of the Mediterranean geoelement can be explained by the maritime impact which results in penetration of Mediterranean species deep into the hinterland through the Cetina River Canyon (e.g., ANTONIĆ & LOVRIĆ, 1996).

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## APPENDIX 1

**Tab. 1.** The vascular plant taxa of Mt Svilaja (abbreviations are explained in the section Materials and Methods).

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Acanthus balcanicus</i> Heywood et I. Richardson	<i>Acanthaceae</i>	H	ILBA-end		2, 3, 21, 23	Vi-1847:226 as <i>A. longifolius</i> Host
<i>Acer campestre</i> L.	<i>Aceraceae</i>	P	EURO		2, 3, 4, 5, 13, 14, 15, 16, 17, 19, 20, 22, 25, 28, 29, 37, 40, 42, 43, 44, 47, 55, 58, 60, 61, 63, 65, 69, 70	Je-1952; L&al-1987, kao <i>A. c. ssp. mariscum</i> (Guss.) Hay.; V&al-2019
<i>Acer monspessulanum</i> L.	<i>Aceraceae</i>	P	SEU-me		1, 6, 9, 13, 15, 20, 23, 25, 26, 27, 30, 40, 41, 46, 48, 49, 50, 59, 65	Ja-1908; L&al-1987; V&al-2019
<i>Acer negundo</i> L.	<i>Aceraceae</i>	P	CUAD	inv	14	
<i>Acer obtusatum</i> Willd.	<i>Aceraceae</i>	P	ILBA-end		14, 21, 32, 35, 36, 37, 40, 41, 42, 55, 59, 61, 66, 69	Ja-1908; L&al-1987; VRZ-2012; Mi&al-2013; V&al-2019
<i>Acer platanoides</i> L.	<i>Aceraceae</i>	P	EURO		32	
<i>Acer pseudoplatanus</i> L.	<i>Aceraceae</i>	P	EURO		14, 31, 32, 40, 53, 55, 65	



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Achillea clavemae</i> L.	Asteraceae	H	ME-ilape	NT	Svilaja mountain range	L&R-1989
<i>Achillea collina</i> Becker ex Rechb.	Asteraceae	H	CEU		11, 16, 18, 19, 28, 43, 59	V&al-2019
<i>Achillea millefolium</i> L.	Asteraceae	H	WISP		14	
<i>Achillea nobilis</i> L.	Asteraceae	H	EUAS		2, 3, 21, 23, 25, 26, 27, 47, 49, 50, 58, 59	LRS-1989
<i>Achillea setacea</i> Waldst. et Kit.	Asteraceae	H	SEU-me		9, 32, 53	
<i>Achnatherum calamagrostis</i> (L.) P. Beauv.	Poaceae	H	SEU-mo	DD, sp	41, 66	
<i>Acinus alpinus</i> (L.) Moench	Lamiaceae	Ch	SEU-mo		10, 32	L&R-1989
<i>Acinus arvensis</i> (Lam.) Dandy	Lamiaceae	T	EURO		1, 3, 5, 6, 8, 9, 11, 13, 15, 17, 19, 21, 23, 25, 26, 27, 31, 36, 38, 40, 43, 45, 47, 48, 49, 53, 54, 58, 59, 61, 62, 66, 68	VRZ-2012; V&al-2019
<i>Adiantum capillus-veneris</i> L.	Adiantaceae	H	ME-circ	NT	Significant Landscape of Sutina	V&al-2019
<i>Aegilops cylindrica</i> Host	Poaceae	T	EEUPO	NT	Significant Landscape of Sutina	V&al-2019
<i>Aegilops geniculata</i> Roth	Poaceae	T	ME-circ		1, 5, 17, 21, 25, 43, 45	V&al-2019
<i>Aegilops neglecta</i> Req. ex Bertol.	Poaceae	T	ME-circ	NT	5, 20, 21, 23, 25, 43, 45, 46	
<i>Aegilops triuncialis</i> L.	Poaceae	T	ME-circ		1, 5, 25, 45	V&al-2019
<i>Aesculus hippocastanum</i> L.	Hippocastanaceae	P	CUAD		14, 22*, 46*	
<i>Aethionema saxatile</i> (L.) R.Br. ssp. <i>saxatile</i>	Brassicaceae	Ch	SEU-me		9, 11, 17, 18, 23, 26, 27, 31, 33, 37, 41, 43, 45, 48, 49, 51, 52, 54, 56, 58, 61, 64, 69	VRZ-2012, V&al-2019 as <i>A. saxatile</i> (L.) R.Br.
<i>Agrimonia eupatoria</i> L. ssp. <i>eupatoria</i>	Rosaceae	H	CIHO		1, 4, 9, 11, 13, 15, 17, 18, 19, 21, 22, 23, 25, 28, 30, 31, 37, 38, 40, 43, 44, 45, 46, 47, 48, 50, 51, 53, 58, 59, 60, 62, 65, 66, 67, 69, 70	V&al-2019 as <i>A. eupatoria</i> L.
<i>Agrostemma githago</i> L.	Caryophyllaceae	T	WISP		3, 67	
<i>Agrostis capillaris</i> L.	Poaceae	H	CIHO		9, 11, 59	V&al-2019
<i>Agrostis castellana</i> Boiss. et Reut.	Poaceae	H	ME-atl	DD	22	
<i>Agrostis stolonifera</i> L.	Poaceae	H	CIHO		Significant Landscape of Sutina	L&R-1989; V&al-2019
<i>Ailanthus altissima</i> (Mill.) Swingle	Simaroubaceae	P	CUAD	inv	1, 2, 3, 4, 5, 13, 14, 15, 17, 21, 23, 25, 29, 30, 32, 37, 42, 43, 45, 47, 69, 70	V&al-2019
<i>Aira elegantissima</i> Schur	Poaceae	T	SEU-me		8, 55	
<i>Ajuga chamaepitys</i> (L.) Schreb.	Lamiaceae	T	ME-circ		21, 24, 68, 69	
<i>Ajuga genevensis</i> L.	Lamiaceae	H	EUAS		2, 11, 20, 29, 30, 37, 42, 44, 47, 60, 63, 65, 70	V&al-2019
<i>Ajuga reptans</i> L.	Lamiaceae	H	EUAS		38, 65, 66*	
<i>Alcea rosea</i> L.	Malvaceae	H	CUAD		1, 4, 5, 23, 43, 46	
<i>Alisma plantago-aquatica</i> L.	Alismataceae	Hy	WISP		22, 28, 46	
<i>Alliaria petiolata</i> (M. Bieb.) Cavara et Grande	Brassicaceae	H	EUAS		14, 20, 27, 29, 30, 69	Ma-1992; V&al-2019
<i>Allium amethystinum</i> Tausch	Amaryllidaceae	G	ME-east		23, 43	
<i>Allium ampeloprasum</i> L.	Amaryllidaceae	G	ME-circ		3, 5	
<i>Allium carinatum</i> L.	Amaryllidaceae	G	EURO		22	V&al-2019
<i>Allium cepa</i> L.	Amaryllidaceae	G	CUAD		1, 13*, 14*, 16*, 25*, 27, 28*, 37*, 43*, 47*, 66*, 69	
<i>Allium flavum</i> L.	Amaryllidaceae	G	SEU-me		1, 15, 31	V&al-2019
<i>Allium guttatum</i> Steven ssp. <i>dalmaticum</i> (A. Kern. ex Janch.) Stearn	Amaryllidaceae	G	ILBA-end		Significant Landscape of Sutina	V&al-2019
<i>Allium horvatii</i> Lovrić	Amaryllidaceae	G	ME-ilade	end, NT, sp	2	Vi-1842:133 as <i>A. saxatile</i> Bieb.; L&al-1987, as <i>A. s. ssp. tergestinum</i> (M. Gand.) Bed. et Lov.
<i>Allium lusitanicum</i> Lam.	Amaryllidaceae	G	SEU-po		41	Vi-1842:134, as <i>A. fallax</i> Schult.
<i>Allium moschatum</i> L.	Amaryllidaceae	G	SEEU		31	
<i>Allium oleraceum</i> L.	Amaryllidaceae	G	EUAS		14, 15, 12, 28, 43, 70	
<i>Allium paniculatum</i> L. ssp. <i>fuscum</i> (Waldst. et Kit.) Arcang.	Amaryllidaceae	G	SEU-me		1, 15, 23, 24, 25, 31, 43	
<i>Allium sphaerocephalon</i> L. ssp. <i>sphaerocephalon</i>	Amaryllidaceae	G	SEU-me		1, 8, 11, 23, 24, 32, 33, 34, 35, 38, 40, 41, 43, 51, 53, 56, 58, 59, 62, 65	V&al-2019, as <i>A. sphaerocephalon</i> L.
<i>Allium vineale</i> L.	Amaryllidaceae	G	WISP	LC	Significant Landscape of Sutina	V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Alopecurus myosiroides</i> Huds.	Poaceae	T	WISP		37	
<i>Alopecurus rendlei</i> Eig.	Poaceae	T	SEU-me	VU, sp	28	
<i>Althaea cannabina</i> L.	Malvaceae	H	SEU-po		1, 5, 16, 20, 29, 30	
<i>Althaea hirsuta</i> L.	Malvaceae	T	SEU-me		21, 23	
<i>Alyssum alyssoides</i> (L.) L	Brassicaceae	T	SEU-me		2, 4, 6, 8, 9, 11, 17, 20, 27, 30, 42, 44, 45, 55, 58, 59, 70	V&al-2019
<i>Alyssum montanum</i> L. ssp. <i>montanum</i>	Brassicaceae	Ch	SEU-me		44, 49, 51, 65, 67	V&al-2019 as <i>A. montanum</i> L.
<i>Alyssum simplex</i> Rudolphi	Brassicaceae	T	ME-circ		1, 2, 5, 21, 25, 29, 43, 45	V&al-2019
<i>Amaranthus albus</i> L.	Amaranthaceae	T	WISP	inv	4, 22, 68	
<i>Amaranthus blitoides</i> S. Watson	Amaranthaceae	T	CUAD	inv	5, 68	
<i>Amaranthus cruentus</i> (Lesp. et Thév.) N.Terracc.	Amaranthaceae	T	CUAD		50	
<i>Amaranthus deflexus</i> L.	Amaranthaceae	T	WISP	inv	1, 3, 5, 14, 27	
<i>Amaranthus graecizans</i> L.	Amaranthaceae	T	WISP		4, 14, 27	
<i>Amaranthus hybridus</i> L.	Amaranthaceae	T	WISP	inv	4	
<i>Amaranthus powellii</i> S. Watson	Amaranthaceae	T	CUAD		13, 27, 66	
<i>Amaranthus retroflexus</i> L.	Amaranthaceae	T	WISP	inv	3, 4, 13, 14, 22, 24, 27, 65, 66, 68	V&al-2019
<i>Ambrosia atemisiifolia</i> L.	Asteraceae	T	CUAD	inv	4, 13, 22, 68	
<i>Amelanchier ovalis</i> Medik.	Rosaceae	P	SEU-po		9, 11, 33, 34, 36, 38, 39, 40, 41, 51, 52, 64, 65, 67	Ja-1908; L&al-1987 as <i>A. cretica</i> Pers.; V&al-2019
<i>Amorpha fruticosa</i> L.	Fabaceae	P	CUAD	inv	28	
<i>Anacamptis pyramidalis</i> (L.) Rich.	Orchidaceae	G	EURO	NT, sp	13, 39, 41, 42, 45, 46, 47, 51, 53, 58	Kr-2005:43; Df-2006, V&al-2019
<i>Anagallis arvensis</i> L.	Primulaceae	T	WISP		3, 9, 11, 14, 26, 27, 37, 45, 46, 65	V&al-2019
<i>Anagallis coerulea</i> Schreb.	Primulaceae	T	WISP		14, 28	V&al-2019
<i>Anchusa italica</i> Retz.	Boraginaceae	H	SEU-me		3, 24	
<i>Anchusella cretica</i> (Mill.) Bigazzi, E. Nardi et Salvi	Boraginaceae	T	ME-east		2, 27, 29, 30	
<i>Anemone nemorosa</i> L.	Ranunculaceae	G	CIHO		10, 12, 36, 67	Vi-1852:79; Mi&al-2013; V&al-2019
<i>Anemone ranunculoides</i> L.	Ranunculaceae	G	EUAS		10, 11, 32	Vi-1852:80
<i>Angelica sylvestris</i> L.	Apiaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Anthemis arvensis</i> L.	Asteraceae	T	ME-circ		4, 5, 13, 20, 21, 23, 24, 25, 26, 27, 66	
<i>Anthemis cotula</i> L.	Asteraceae	Ch	WISP		Significant Landscape of Sutina	V&al-2019
<i>Anthemis segetalis</i> Ten.	Asteraceae	T	ME-ilseu		4, 11, 20, 22, 23, 27	V&al-2019
<i>Anthemis tinctoria</i> L.	Asteraceae	H	SEU-po		59	
<i>Anthericum liliago</i> L.	Asparagaceae	G	SEU-me		34	V&al-2019
<i>Anthericum ramosum</i> L.	Asparagaceae	G	CEU		9, 26, 31, 33, 34, 39, 41, 56	V&al-2019
<i>Anthoxanthum odoratum</i> L.	Poaceae	H	EUAS		2, 8, 11, 14, 16, 25, 26, 28, 37, 40, 42, 43, 44, 46, 47, 53, 55, 57, 60, 61, 65, 67, 69, 70	V&al-2019
<i>Anthriscus cerefolium</i> (L.) Hoffm.	Apiaceae	T	CUAD		Significant Landscape of Sutina	V&al-2019
<i>Anthyllis aurea</i> Host	Fabaceae	Ch	ILBA-end		Svilaja mountain range	LRS-1989
<i>Anthyllis montana</i> L. ssp. <i>atropurpurea</i> (Vuk.) Pignatti	Fabaceae	H	ILBA-bap	end, sp	Svilaja mountain range	LRS-1989
<i>Anthyllis montana</i> L. ssp. <i>jacquini</i> (A. Kern.) Hayek	Fabaceae	H	ILBA-end	LC	8, 9, 10, 33, 34	
<i>Anthyllis vulneraria</i> L.	Fabaceae	H	ME-eu		33, 34, 39, 40, 52, 53, 55, 56, 57, 58, 62	Pe-1832 and Tr-1992, as <i>A. rubicunda</i> Wender.
<i>Anthyllis vulneraria</i> L. ssp. <i>praepropera</i> (A.Kern.) Bornm (= <i>A. rubiflora</i> )	Fabaceae	H	ME-eu		8, 9, 11, 26, 31, 53, 59, 65, 67	Se&al-2016; V&al-2019
<i>Anthyllis vulneraria</i> L. ssp. <i>aeldeniana</i> (Rchb.) Cullen	Fabaceae	H	ME-eu	end, sp	17, 23, 25, 29, 30, 32, 42, 45	
<i>Antirrhinum majus</i> L.	Scrophulariaceae	Ch	ME-west		1, 14, 23	M&K-2016
<i>Arabis collina</i> Ten.	Brassicaceae	H	SEU-me		9, 10, 12, 30, 32, 33, 36, 37, 51, 64, 70	Vi-1847:127 as <i>A. muralis</i> Bertol.
<i>Arabis glabra</i> (L.) Bernhardt	Brassicaceae	H	WISP		29, 44, 69	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Arabis hirsuta</i> (L.) Scop.	Brassicaceae	H	WISP		1, 6, 8, 9, 11, 13, 16, 17, 18, 19, 22, 26, 29, 31, 38, 39, 40, 42, 44, 45, 46, 47, 50, 52, 53, 55, 56	V&al-2019
<i>Arabis planisiliqua</i> (Pers.) Rchb.	Brassicaceae	H	ME-west		17	
<i>Arabis sagittata</i> (Bertol.) DC.	Brassicaceae	H	EUAS		35	
<i>Arabis scopoliana</i> Boiss.	Brassicaceae	Ch	ME-ilade	end, sp	33, 34	Ja-1908; L&R-1989
<i>Arabis turrita</i> L.	Brassicaceae	H	SEU-me		10, 11, 12, 30, 31, 32, 34, 36, 37, 40, 44, 50, 57, 69	V&al-2019
<i>Arceuthobium oxycedri</i> (DC.) M. Bieb.	Loranthaceae	P	SEU-po		62, 64	
<i>Arctium lappa</i> L.	Asteraceae	H	EUAS		13, 20, 66	V&al-2019
<i>Arctium minus</i> Bernh.	Asteraceae	H	EUAS		1, 3, 4, 14, 16, 17, 32, 46, 61, 69?, 70	
<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	Ericaceae	Ch	CIHO	VU, sp	11	
<i>Arenonia agrimonoides</i> (L.) DC. ssp. <i>agrimonoides</i>	Rosaceae	H	CIHO		35, 36	Je-1952
<i>Arenaria leptoclados</i> (Reichenb.) Guss	Caryophyllaceae	T	EUAS		1, 2, 3, 11, 14, 16, 17, 20, 22, 25, 27, 36, 38, 42, 45, 49, 57, 66	M&K-2016
<i>Arenaria orbicularis</i> Vis.	Caryophyllaceae	Ch	ME-ilade	end, DD, sp	14	M&K-2016
<i>Arenaria serpyllifolia</i> L.	Caryophyllaceae	T	WISP		6, 8, 11, 29, 36, 37, 44, 45, 55, 58, 69	V&al-2019
<i>Argyrobium zanonii</i> (Turra) P. W. Ball	Fabaceae	Ch	ME-west		25, 26, 45, 47, 61	
<i>Aristolochia clematitis</i> L.	Aristolochiaceae	G	SEU-po		3, 22, 37, 69	
<i>Aristolochia lutea</i> Desf.	Aristolochiaceae	G	SEEU		2, 11, 13, 14, 18, 20, 29, 34, 42, 49, 65, 67	L&al-1987, as <i>A. lutea</i> Desf. ( <i>A. pallida</i> var. <i>istriaca</i> Posp.)
<i>Aristolochia rotunda</i> L.	Aristolochiaceae	G	ME-circ		16, 21, 22, 23, 28, 37, 42, 60, 70	
<i>Armeria canescens</i> (Host) Boiss. in DC. ssp. <i>canescens</i>	Plumbaginaceae	H	ME-east		7, 8, 11, 34, 48, 49, 54, 55, 66	L&al-1987, as <i>A. canescens</i> Host
<i>Armoracia rusticana</i> P. Gaertn., B. Mey. et Scherb	Brassicaceae	G	WISP		1, 17, 23, 49, 69	
<i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J.Presl et C.Presl	Poaceae	H	EURO		11, 14, 16, 21, 32, 42, 65, 69	
<i>Artemisia absinthium</i> L.	Asteraceae	Ch	EUAS		1, 3, 4, 6, 13, 14, 17, 22, 25, 32, 38, 39, 40, 59, 68	Ma-1964; V&al-2019
<i>Artemisia alba</i> Turra	Asteraceae	Ch	SEU-me		30, 49	
<i>Artemisia annua</i> L.	Asteraceae	T	CUAD	inv	6	
<i>Artemisia campestris</i> L.	Asteraceae	Ch	CIHO		1, 2, 13, 15, 26, 29, 30, 31, 47, 48, 49, 54	V&al-2019
<i>Artemisia scoparia</i> Waldst. et Kit.	Asteraceae	H	EEUPO		7, 8	Vi-1847:92
<i>Artemisia verlotiorum</i> Lamotte	Asteraceae	H	CUAD	inv	13, 14, 15, 36, 38, 51, 65	
<i>Artemisia vulgaris</i> L.	Asteraceae	H	WISP		1, 14, 17, 32, 57, 59, 65, 66, 70	Ma-1992; V&al-2019
<i>Arum italicum</i> Mill.	Araceae	G	ME-circ		2, 4, 5, 14, 15, 18, 25, 27, 30?, 37, 60, 69, 70	V&al-2019
<i>Arum maculatum</i> L.	Araceae	G	EURO		20, 29, 44, 63	
<i>Asparagus acutifolius</i> L.	Asparagaceae	G	ME-circ		1, 2, 3, 4, 5, 22, 23, 24, 27, 30, 37, 43, 45, 47, 60, 61, 69, 70	V&al-2019
<i>Asparagus officinalis</i> L.	Asparagaceae	G	CUAD	NT	43	
<i>Asperula aristata</i> L.f. ssp. <i>condensata</i> (Heldr. ex Boiss.) Ehrend. et Krendl	Rubiaceae	H	ILBA-end		48	
<i>Asperula aristata</i> L.f. ssp. <i>scabra</i> (J.Presl et C.Presl) Nyman	Rubiaceae	H	SEU-me		6, 7, 8, 9, 23, 25, 26, 27, 31, 43, 48, 65, 68	Vi-1852:11 as <i>A. cynanchica</i> γ <i>canescens</i> ; LRS-1989, as <i>A. scabra</i> Presl. ( <i>A. canescens</i> Vis.); V&al-2019 as <i>A. aristata</i> L.f.
<i>Asperula cynanchica</i> L.	Rubiaceae	H	ME-circ		Sutina; Significant Landscape of Sutina	Je-1952; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Asperula purpurea</i> (L.) Ehrend.	Rubiaceae	Ch	SEEU		8, 9, 11, 26, 31, 32, 33, 34, 35, 38, 39, 43, 51, 54, 56, 65, 66	Vi-1852:6 as <i>Galium purpureum</i> L.
<i>Asperula scutellaris</i> Vis.	Rubiaceae	Ch	ME-ilade	end, sp	Svilaja mountain range	LRS-1989
<i>Asphodeline lutea</i> (L.) Rchb.	Xanthorrhoeaceae	G	ME-east		Svilaja mountain range	LRS-1989
<i>Asplenium adiantum-nigrum</i> L.	Aspleniaceae	H	WISP		Significant Landscape of Sutina	V&al-2019
<i>Asplenium ceterach</i> L.	Aspleniaceae	H	SEU-me		2, 5, 6, 10, 13, 14, 18, 19, 20, 21, 22, 26, 27, 29, 30, 31, 36, 37, 40, 42, 44, 45, 46, 48, 55, 61, 65	M&K-2016; VRZ-2012; V&al-2019
<i>Asplenium ceterach</i> L. ssp. <i>bivalens</i> (D. E. Meyer) Greuter et Burdet	Aspleniaceae	H	SEEU		hilly rocks in the east of Svilaja	L&al-1987, as <i>Ceterach jacorkeana</i> (Vida) Soo
<i>Asplenium lepidum</i> C Presl	Aspleniaceae	H	SEEU		10, 14, 29, 32, 52	
<i>Asplenium onopteris</i> L.	Aspleniaceae	H	EEUPO		11, 14, 69	
<i>Asplenium ruta-muraria</i> L.	Aspleniaceae	H	CIHO		11, 14, 15, 18, 22, 31, 37, 40, 50, 52, 53, 65	M&K-2016; VRZ-2012; V&al-2019
<i>Asplenium trichomanes</i> L.	Aspleniaceae	H	WISP		5, 11, 14, 15, 18, 20, 21, 27, 29, 31, 32, 35, 36, 37, 38, 40, 42, 55, 64, 65	M&K-2016; VRZ-2012; V&al-2019
<i>Aster lanceolatus</i> Willd.	Asteraceae	H	CUAD		28, 46	
<i>Aster amellus</i> L.	Asteraceae	H	EEUPO		52	V&al-2019
<i>Aster novi-belgii</i> L.	Asteraceae	H	CUAD		51	
<i>Astragalus glycyphyllos</i> L.	Fabaceae	H	EUAS		14, 21, 32, 44, 47, 55, 63	V&al-2019
<i>Astragalus monspessulanus</i> L. ssp. <i>illyricus</i> (Bernhardt) Chater	Fabaceae	H	ME-ilade	end, sp	2, 13, 25, 30, 31, 37, 42, 44, 45, 46, 47, 57, 58, 60, 61, 62, 64, 69, 70	Je-1952, as <i>A. illyricus</i> ; V&al-2019
<i>Astragalus muelleri</i> Steud. et Hochst.	Fabaceae	H	ME-ilade	end, NT, sp	1, 69, 70	
<i>Astragalus vesicarius</i> L. ssp. <i>carniolicus</i> (A. Kern.) Chater	Fabaceae	H	SEU-po		33	
<i>Athamanta cretensis</i> L.	Apiaceae	H	SEU-mo		33	L&R-1989
<i>Athyrium filix-femina</i> (L.) Roth	Woodsiaceae	H	WISP		Significant Landscape of Sutina	V&al-2019
<i>Atriplex patula</i> L.	Chenopodiaceae	T	WISP		4, 13, 14, 16, 50	
<i>Atropa bella-donna</i> L.	Solanaceae	H	EURO		32, 35	V&al-2019
<i>Avena barbata</i> Pott ex Link	Poaceae	T	SEU-po		1, 3, 5, 23, 25, 28, 37, 43, 45, 70	V&al-2019
<i>Avena sativa</i> L.	Poaceae	T	CUAD		3	
<i>Avena sterilis</i> L.	Poaceae	T	SEU-po		14, 23, 28, 43, 46	
<i>Avenula pubescens</i> (Huds.) Dumort.	Poaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Ballota nigra</i> L. ssp. <i>foetida</i> Hayek	Lamiaceae	H	SEU-me		1, 3, 4, 13, 14, 16, 20, 21, 25, 27, 30, 42, 43, 44, 49, 65, 68	Ma-1992
<i>Barbarea vulgaris</i> R. Br.	Brassicaceae	H	WISP		3	V&al-2019
<i>Bassia scoparia</i> (L.) A. J. Scott	Chenopodiaceae	T	CUAD		1	
<i>Bellis perennis</i> L.	Asteraceae	H	CEU		14, 16, 20, 37, 42, 64, 69, 70	V&al-2019
<i>Berteroa mutabilis</i> (Vent.) DC.	Brassicaceae	H	EUAS		1, 3, 4, 6, 13, 14, 27, 48, 50, 55	V&al-2019
<i>Berula erecta</i> (Huds.) Coville	Apiaceae	G	CIHO		14	
<i>Beta vulgaris</i> L. ssp. <i>vulgaris</i>	Chenopodiaceae	T	CUAD	LC	14*, 16*, 22*, 25*, 27, 28, 37*, 43*, 43, 49*	Vi-1842:241 as <i>B. maritima</i> L.
<i>Betonica officinalis</i> L. ssp. <i>serotina</i> (Host) Murb.	Lamiaceae	H	EURO		2, 6, 10, 19, 25, 26, 34, 35, 36, 39, 41, 49, 51, 53, 65, 67	V&al-2019 as <i>B. officinalis</i> L.
<i>Betula pendula</i> Roth	Betulaceae	P	CUAD		55, 65	
<i>Bidens subalternans</i> DC.	Asteraceae	T	CUAD	inv	4, 27	
<i>Bidens tripartita</i> L.	Asteraceae	T	EUAS		14, 64	
<i>Bifora radians</i> M. Bieb.	Apiaceae	T	SEU-me		3	Vi-1852:72
<i>Biscutella laevigata</i> L. ssp. <i>lucida</i> (Balbis ex DC.) Mach.-Laur.	Brassicaceae	H	SEU-mo		32, 64	V&al-2019 as <i>B. laevigata</i> L.
<i>Bituminaria bituminosa</i> (L.) Stürton	Fabaceae	H	ME-circ		25, 37, 43, 46, 64, 68, 69, 70	
<i>Blackstonia perfoliata</i> (L.) Huds. ssp. <i>perfoliata</i>	Gentianaceae	T	ME-atl		46, 47	
<i>Blysmus compressus</i> (L.) Panz. ex Link	Cyperaceae	G	EUAS	EN, sp	Svilaja mountain range	L&R-1989
<i>Bombycilaena erecta</i> (L.) Smoljan.	Asteraceae	T	SEU-me		1, 5, 8, 13, 18, 23, 25, 26, 27, 48	
<i>Brachypodium distachyon</i> (L.) P. Beauv.	Poaceae	T	ME-circ		23	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Brachypodium pinnatum</i> (L.) P. Beauv. ssp. <i>rupestre</i> (Host) Schübl. et M. Martens	Poaceae	H	SEU-me		3, 16, 17, 21, 22, 25, 31, 34, 46	
<i>Brachypodium pinnatum</i> (L.) P. Beauv. ssp. <i>pinnatum</i>	Poaceae	H	WISP		7, 8, 11, 15, 18, 19, 22, 37, 39, 40, 44?, 50, 56, 61, 62	
<i>Brachypodium sylvaticum</i> (Huds.) P. Beauv.	Poaceae	H	EUAS		4, 14, 16, 46, 63, 70	Je-1952; V&al-2019
<i>Brassica oleracea</i> L.	Brassicaceae	Ch	CUAD		4, 14*, 16*, 25*	
<i>Briza media</i> L.	Poaceae	H	EUAS		39	
<i>Bromus arvensis</i> L.	Poaceae	T	EUAS		1, 69	V&al-2019
<i>Bromus erectus</i> Huds. ssp. <i>condensatus</i> (Hack.) Asch. et Graebn.	Poaceae	H	SEU-me		9, 11, 30, 33, 39, 49, 55, 56, 58, 62	
<i>Bromus erectus</i> Huds. ssp. <i>erectus</i>	Poaceae	H	WISP		1, 5, 6, 8, 9, 11, 16, 17, 18, 19, 20, 23, 24, 26, 28, 30, 36, 39, 41, 45, 46, 51, 55, 56, 59, 60, 62, 70	Je-1952, Tr-1992, L&R-1989 and V&al-2019 as <i>B. erectus</i> Huds. (s.l.)
<i>Bromus hordeaceus</i> L. ssp. <i>molliformis</i> (Lloyd) Maire et Weiller	Poaceae	T	SEU-me		5, 14, 16, 17, 20, 37, 42, 51, 63, 67, 69, 70	V&al-2019 as <i>B. hordeaceus</i> L.
<i>Bromus inermis</i> Leyss.	Poaceae	H	EUAS		9, 41	
<i>Bromus japonicus</i> Thunb.	Poaceae	T	EUAS		9, 17	
<i>Bromus madritensis</i> L.	Poaceae	T	ME-atl		1, 43	
<i>Bromus racemosus</i> L.	Poaceae	T	WISP		28	
<i>Bromus rigidus</i> Roth	Poaceae	T	SEU-atl		3, 16, 69	
<i>Bromus secalinus</i> L.	Poaceae	T	EUAS		53	
<i>Bromus squarrosus</i> L.	Poaceae	T	SEU-po		5, 8, 21, 23, 25, 35, 38, 43, 53, 55	V&al-2019
<i>Bromus sterilis</i> L.	Poaceae	T	WISP		4, 11, 14, 16, 17, 20, 21, 28, 29, 30, 32, 37, 40, 42, 43, 44, 45, 47, 48, 50, 55, 58, 60, 63, 69, 70	Ma-1992; V&al-2019
<i>Broussonetia papyrifera</i> (L.) Vent.	Moraceae	P	CUAD	inv	1, 5, 22, 23, 25, 27, 28, 30	
<i>Bryonia dioica</i> Jacq. ssp. <i>dioica</i> (Jacq.) Tutin	Cucurbitaceae	G	SEU-me		2, 3, 5, 14, 16, 20, 21, 23, 24, 30, 37	Pe-1832:22, Vi-1852:138 as <i>B. dioica</i> Jacq.
<i>Bunium alpinum</i> Waldst. et Kit. ssp. <i>montanum</i> (W. D. J. Koch) P. W. Ball	Apiaceae	G	ME-ilade		25, 36, 39, 41, 51, 52, 56, 58	V&al-2019
<i>Bunium ferulaceum</i> Sibth. et Sm.	Apiaceae	G	EEUPO		8, 9, 11	
<i>Buphthalmum salicifolium</i> L.	Asteraceae	H	CEU		3	Vi-1847:66; V&al-2019
<i>Bupleurum praealtum</i> L.	Apiaceae	T	SEU-me		4, 5, 11	
<i>Bupleurum veronense</i> Turra	Apiaceae	T	ME-ilseu		1, 2, 7, 8, 17, 18, 19, 23, 25, 26, 27, 29, 30, 41, 43, 44, 47, 48, 49, 51, 54, 57, 58, 59, 60, 61	LRS-1989; V&al-2019
<i>Calamagrostis epigejos</i> (L.) Roth	Poaceae	H	WISP		53	V&al-2019
<i>Calamintha glandulosa</i> (Req.) Benth.	Lamiaceae	H	ME-circ		47	
<i>Calamintha grandiflora</i> (L.) Moench	Lamiaceae	H	SEU-mo		19, 22, 37?, 37, 42	
<i>Calamintha nepetoides</i> Jord.	Lamiaceae	H	SEU-po		3, 5, 13, 37	
<i>Calendula officinalis</i> L.	Asteraceae	T	CUAD		1, 42*	
<i>Calepina irregularis</i> (Asso) Thell.	Brassicaceae	T	EURO		61, 69	V&al-2019
<i>Calystegia sepium</i> (L.) R. Br.	Convolvulaceae	G	WISP		14, 22, 23, 69, 70	
<i>Campanula erinus</i> L.	Campanulaceae	T	ME-circ		14	
<i>Campanula glomerata</i> L.	Campanulaceae	H	EUAS		54	Vi-1847:130; V&al-2019
<i>Campanula persicifolia</i> L.	Campanulaceae	H	EUAS		11, 32, 40, 41, 65	V&al-2019
<i>Campanula pyramidalis</i> L.	Campanulaceae	H	ME-ilade		11, 31, 32, 34, 35, 36, 39, 40, 52	VRZ-2012; V&al-2019
<i>Campanula rapunculoides</i> L.	Campanulaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Campanula rapunculus</i> L.	Campanulaceae	H	EUAS		8, 11, 19, 25, 26, 39, 51, 55, 58, 65	V&al-2019
<i>Campanula rotundifolia</i> L.	Campanulaceae	H	EURO		32	
<i>Campanula scheuchzeri</i> Vill.	Campanulaceae	H	SEU-me		33	
<i>Campanula sibirica</i> L. ssp. <i>divergentiformis</i> (Jáv.) Domin	Campanulaceae	H	SEEU		1, 24, 26, 31, 37, 38, 39, 40, 46, 47, 57, 61, 62, 63, 64, 65, 69, 70	VRZ-2012, as <i>C. sibirica</i> L.; V&al-2019



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Campanula trachelium</i> L. ssp. <i>trachelium</i>	Campanulaceae	H	EUAS	DD	11, 21, 32, 35, 38, 40, 58, 59, 63, 65	Vi-1847:131; Je-1952; V&al-2019 as <i>C. trachelium</i> L.
<i>Campsis radicans</i> (L.) Seen.	Bignoniaceae	P	CUAD		22*, 23	
<i>Capsella bursa-pastoris</i> (L.) Medik.	Brassicaceae	H	WISP		3, 9, 13, 14, 16, 27, 49, 50, 65, 66	V&al-2019
<i>Capsella rubella</i> Reut.	Brassicaceae	T	ME-circ		1, 2, 5, 11, 14, 16, 20, 24, 29, 30, 37, 42, 44, 47, 61, 66, 69, 70	V&al-2019
<i>Cardamine graeca</i> L.	Brassicaceae	T	SEU-me		14	V&al-2019
<i>Cardamine hirsuta</i> L.	Brassicaceae	T	WISP		2, 20, 37, 60, 61	V&al-2019
<i>Cardaria draba</i> (L.) Desv. ssp. <i>draba</i>	Brassicaceae	T	WISP		29, 44, 47, 63	V&al-2019 as <i>C. draba</i> (L.) Desv.
<i>Carduus acanthoides</i> L.	Asteraceae	H	SEU-co		59	
<i>Carduus candicans</i> Waldst. et Kit.	Asteraceae	H	SEEU		11, 25, 65	Vi-1847:47
<i>Carduus micropterus</i> (Borbás) Teyber ssp. <i>micropterus</i>	Asteraceae	H	ME-ilade	end, sp	1, 2, 6, 7, 8, 9, 15, 17, 21, 25, 33, 38, 40, 41, 43, 46, 56, 58, 62, 65	V&al-2019, as <i>C. micropterus</i> (Borbás) Teyber
<i>Carduus pycnocephalus</i> L. ssp. <i>pycnocephalus</i>	Asteraceae	T	ME-circ	DD	1, 3, 5, 23, 25, 59	V&al-2019, as <i>C. pycnocephalus</i> L.
<i>Carex appropinquata</i> Schumach.	Cyperaceae	H	EUAS	DD, sp	Svilaja mountain range	L&R-1989
<i>Carex caryophyllaea</i> Latourr.	Cyperaceae	H	EUAS		2, 13, 37, 42, 44, 67, 70	
<i>Carex digitata</i> L.	Cyperaceae	H	EUAS		64	Vi-1842:102
<i>Carex distans</i> L.	Cyperaceae	H	ME-circ		23, 28, 46, 47, 70	V&al-2019
<i>Carex divisa</i> Huds.	Cyperaceae	H	SEU-me	EN, sp	46	
<i>Carex divulsa</i> Stokes ssp. <i>divulsa</i>	Cyperaceae	H	WISP		3, 16, 20, 21, 25, 28, 37, 43, 45, 65	V&al-2019 as <i>C. divulsa</i>
<i>Carex divulsa</i> Stokes ssp. <i>leersii</i> (Kneuck.) W. Koch	Cyperaceae	H	EUAS		14, 70	
<i>Carex echinata</i> Murray	Cyperaceae	H	CIHO	EN, sp	Significant Landscape of Sutina	V&al-2019
<i>Carex flacca</i> Schreb. ssp. <i>flacca</i>	Cyperaceae	H	WISP		28, 46, 70	V&al-2019 as <i>C. flacca</i>
<i>Carex flacca</i> Schreb. ssp. <i>serrulata</i> (Biv.) Greuter	Cyperaceae	H	ME-circ		37, 42, 47, 60, 64, 69	
<i>Carex hallerana</i> Asso	Cyperaceae	H	SEU-me		29, 30, 31, 37, 57, 61, 64, 69	Je-1952; V&al-2019
<i>Carex hirta</i> L.	Cyperaceae	G	EUAS		14, 48, 70	V&al-2019
<i>Carex humilis</i> Leyss.	Cyperaceae	H	EUAS		8, 9, 31, 35, 51, 54, 59, 64	
<i>Carex kitaibeliana</i> Degen ex Bech.	Cyperaceae	H	SEU-mo		34	L&R-1989; LRS-1989
<i>Carex otrubae</i> Podp.	Cyperaceae	H	SEU-me		28	
<i>Carex pendula</i> Huds.	Cyperaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Carex riparia</i> Curtis	Cyperaceae	G	EUAS	VU, sp	70	
<i>Carex spicata</i> Huds.	Cyperaceae	H	EUAS		3, 14, 17, 20, 28, 42, 46, 48, 70	
<i>Carex supina</i> Willd. ex Wahlenb.	Cyperaceae	G	SEU-po	DD, sp	52	
<i>Carex vulpina</i> L.	Cyperaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Carlina acanthifolia</i> All. ssp. <i>acanthifolia</i>	Asteraceae	H	SEU-me	DD	7, 12, 40, 52	V&al-2019 as <i>C. acanthifolia</i> All.
<i>Carlina acaulis</i> L. ssp. <i>acaulis</i>	Asteraceae	H	SEU-mo		41, 57, 62	
<i>Carlina acaulis</i> L. ssp. <i>simplex</i> (Wettst. et Kit.) Nyman	Asteraceae	H	ILBA-end		9	
<i>Carlina corymbosa</i> L.	Asteraceae	H	ME-circ		2, 5, 18, 21, 22, 25, 26, 43, 45, 64, 66, 70	V&al-2019
<i>Carlina vulgaris</i> L.	Asteraceae	H	EUAS		4, 7, 8, 9, 10, 11, 13, 18, 19, 21, 22, 30, 31, 33, 34, 35, 39, 40, 48, 51, 53, 54, 55, 56, 57, 58, 59, 65, 69	
<i>Carpinus betulus</i> L.	Corylaceae	P	CEU		"in monte Svilaja"	Vi-1842:210
<i>Carpinus orientalis</i> Mill.	Corylaceae	P	ME-ilseu		1, 2, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 26, 27, 29, 30, 31, 37, 43, 47, 49, 52, 53, 60, 61, 64, 67, 69, 70	Je-1952; Me-1972; L&al-1987; V&al-2019
<i>Carthamus lanatus</i> L. ssp. <i>lanatus</i>	Asteraceae	T	ME-circ		1, 3, 5, 17, 21, 23, 28, 43, 46	V&al-2019 as <i>C. lanatus</i> L.
<i>Carum carvi</i> L.	Apiaceae	H	EUAS		70	
<i>Celtis australis</i> L.	Ulmaceae	P	SEU-me		1, 2, 4, 5, 6, 20, 22, 23, 25, 26, 27, 28, 29, 30, 43, 45, 50	L&al-1987; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Centaurea bracteata</i> Scop.	Asteraceae	H	ME-west		70	LRS-1989
<i>Centaurea calcitrapa</i> L.	Asteraceae	T	ME-atl		25	
<i>Centaurea cyanus</i> L.	Asteraceae	T	SEEU		37, 67	
<i>Centaurea deusta</i> Ten. ssp. <i>concolor</i> (DC.) Hayek	Asteraceae	H	ME-eu		18, 32, 38, 39, 40, 41	
<i>Centaurea fritschii</i> Hayek	Asteraceae	H	ILBA-end		Significant Landscape of Sutina	V&al-2019
<i>Centaurea glaberrima</i> Tausch ssp. <i>diorgensis</i> (Vis.) Hayek	Asteraceae	H	ME-ilade		on the dolomites of the southern slopes of Svilaja near Muć; SL Sutina	L&al-1987 as <i>C. huterii</i> Hay. ( <i>C. petteri</i> auct. p.p.); V&al-2019
<i>Centaurea jacea</i> L.	Asteraceae	H	EUAS		32	
<i>Centaurea nicolae</i> Bald.	Asteraceae	H	ME-ilade	end, DD, sp	Svilaja mountain range	LRS-1989, as <i>C. lanceolata</i> (Vis.) Vuk. ( <i>C. nikolai</i> )
<i>Centaurea pannonica</i> (Heuff.) Simonk.	Asteraceae	H	EEUPO		18, 19, 59, 62, 68	
<i>Centaurea rupestris</i> L.	Asteraceae	H	ME-ilape		8, 9, 26, 30, 31	L&al-1987
<i>Centaurea scabiosa</i> L.	Asteraceae	H	EUAS		4, 13, 15, 65	Vi-1847:34
<i>Centaurea solstitialis</i> L.	Asteraceae	H	SEU-po		2, 4, 5, 22, 23, 25, 27, 43	
<i>Centaurea spinosociliata</i> Seenus ssp. <i>cristata</i> (Bertol.) Dostál	Asteraceae	H	ME-ilade	end, NT, sp	1, 5, 9, 13, 15, 19, 21, 23, 25, 26, 27, 31, 35, 43, 46, 49, 65	L&al-1987, as <i>C. cristata</i> Bartl. ssp. <i>cristata</i> s.s.; V&al-2019
<i>Centaurea spinosociliata</i> Seenus ssp. <i>spinosociliata</i>	Asteraceae	H	ME-ilade	end, NT, sp	31, 49, 51	Tr-1992, as <i>C. spinoso-ciliata</i> Seenus.
<i>Centaurea triumfetti</i> All.	Asteraceae	H	SEU-mo	DD	11, 13, 14, 17, 24, 25, 31, 34	LRS-1989, as <i>C. cana</i> Sb. & Sm.; V&al-2019
<i>Centaurea tuberosa</i> Vis.	Asteraceae	G	ILBA-end	end, sp	2, 11, 29, 36, 41, 52, 67	Ja-1908; L&al-1987; V&al-2019
<i>Centaurea weldeniiana</i> Rchb.	Asteraceae	H	ME-ilade		4, 7, 15, 22, 31	
<i>Centaurium erythraea</i> Rafn	Gentianaceae	T	WISP		5, 8, 11, 15, 21, 22, 24, 25, 31, 34, 35, 40, 45, 50, 51, 53, 56, 59, 65	V&al-2019
<i>Centranthus ruber</i> (L.) DC.	Valerianaceae	Ch	ME-atl		1, 23, 27	
<i>Cephalanthera damasonium</i> (Mill.) Druce	Orchidaceae	G	SEU-me	NT, sp	41, 42	Je-1952, as <i>C. alba</i> ; Kr-2005:43; Df-2006; V&al-2019
<i>Cephalanthera longifolia</i> (L.) Fritsch	Orchidaceae	G	EUAS	NT, sp	32, 45	Kr-2005:48; Df-2006
<i>Cephalanthera rubra</i> (L.) Rich.	Orchidaceae	G	EUAS	NT, sp	32	V&al-2019
<i>Cephalanthera x schulzei</i> E.G. Camus, Bergon, A. Camuis (C. <i>damasonium</i> x <i>C. longifolia</i> )**	Orchidaceae	G	EUAS	sp	site 263 (XJ2345) SO Zelovo, 820-840 m	Df-2006
<i>Cephalaria leucantha</i> (L.) Roem. et Schult.	Dipsacaceae	H	ME-circ		1, 2, 6, 12, 13, 22, 25, 26, 31, 40, 41, 46, 51, 64, 70	Tr-1992; Se&al-2016; V&al-2019
<i>Cerastium brachypetalum</i> Pers. ssp. <i>brachypetalum</i>	Caryophyllaceae	T	SEU-mo		11, 20, 35, 36, 44	V&al-2019
<i>Cerastium brachypetalum</i> Pers. ssp. <i>roeseri</i> (Bois. et Heldr.) Nyman	Caryophyllaceae	T	SEU-atl		29, 36, 37, 39, 41, 42, 45, 69, 70	
<i>Cerastium brachypetalum</i> Pers. ssp. <i>tenoreanum</i> (Ser.) Soo	Caryophyllaceae	T	SEU-me		11	
<i>Cerastium fontanum</i> Baumg. ssp. <i>vulgare</i> (Hartman) Greuter et Burdet	Caryophyllaceae	H	CIHO		28	V&al-2019
<i>Cerastium glomeratum</i> Thuill.	Caryophyllaceae	T	WISP		17, 44, 60	V&al-2019
<i>Cerastium grandiflorum</i> Waldst. et Kit.	Caryophyllaceae	H	ILBA-end	end, sp	9, 10, 32, 33, 34, 35, 38, 39, 40, 41	Ja-1908; LRS-1989
<i>Cerastium ligusticum</i> Viv. ssp. <i>trichogynum</i> (Moschl) P.D.Sell. et Whitehead	Caryophyllaceae	T	ME-ilade		6, 52	V&al-2019
<i>Cerastium pumilum</i> Curtis ssp. <i>glutinatum</i> (Fries) Jalas	Caryophyllaceae	T	WISP		2, 6, 9, 17, 37, 42, 47, 50, 51, 52, 55, 57, 58, 63, 69, 70	
<i>Cerastium semidecandrum</i> L.	Caryophyllaceae	T	SEU-po		42	
<i>Cerastium tomentosum</i> L.	Caryophyllaceae	H	CUAD		1, 20, 37	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Chaenorhinum minus</i> (L.) Lange ssp. <i>litorale</i> (Willd.) Hayek	Scrophulariaceae	T	ME-ilape		50	
<i>Chaenorhinum minus</i> (L.) Lange ssp. <i>minus</i>	Scrophulariaceae	T	EURO		1, 6, 9, 11, 27, 38, 50, 68	V&al-2019
<i>Chaerophyllum aureum</i> L.	Apiaceae	H	SEU-co		37, 47	
<i>Chaerophyllum bulbosum</i> L.	Apiaceae	H	EUAS		16, 20, 65	Vi-1852:65, as <i>C. laevigatum</i> Vis.
<i>Chaerophyllum coloratum</i> L.	Apiaceae	H	ME-ilade	end, NT, sp	1, 5, 17, 20, 25, 28, 37, 45, 65	V&al-2019
<i>Chaerophyllum temulum</i> L.	Apiaceae	H	EUAS		14, 16, 37, 42	Vi-1852:66; Ma-1992
<i>Chamaecytisus falcatus</i> (Waldst. et Kit.) Holub	Fabaceae	Ch	CEU		10, 11, 19, 30, 32, 34, 35, 64	
<i>Chamaecytisus hirsutus</i> (L.) Link	Fabaceae	Ch	SEU-po		11, 67	V&al-2019
<i>Chamaespartium sagittale</i> (L.) Gibbs	Fabaceae	Ch	SEU-me		13, 34, 55	
<i>Chamomilla recutita</i> (L.) Rauschert	Asteraceae	T	CUAD		42	
<i>Chamomilla suaveolens</i> (Pursh) Rydb.	Asteraceae	T	CUAD	inv	16, 23, 28	
<i>Chelidonium majus</i> L.	Papaveraceae	H	WISP		11, 14, 16, 20, 30, 65, 69	Pe-1832:34, Ma-1992
<i>Chenopodium album</i> L.	Chenopodiaceae	T	WISP		1, 4, 6, 13, 14, 22, 25, 27, 49, 50, 65, 69	V&al-2019
<i>Chenopodium hybridum</i> L.	Chenopodiaceae	T	CIHO		14	
<i>Chenopodium murale</i> L.	Chenopodiaceae	T	WISP	DD	49	
<i>Chenopodium strictum</i> Roth	Chenopodiaceae	T	WISP	DD	3, 13, 22, 24, 27	
<i>Chenopodium vulvaria</i> L.	Chenopodiaceae	T	SEU-me	DD	14, 68	
<i>Chondrilla juncea</i> L.	Cichoriaceae	H	EUAS		1, 3, 4, 5, 13, 14, 15, 17, 21, 23, 24, 25, 27, 29, 37, 43, 45, 46, 50, 54, 55, 70	V&al-2019
<i>Chouardia lakusicii</i> (Štlić) Speta	Asparagaceae	G	ME-ilade	end, sp	on the southern slopes of Svilaja	Se-2016
<i>Chouardia litardierei</i> (Breistr.) Speta	Asparagaceae	G	ME-ilade	end, NT, sp	Significant Landscape of Sutina	V&al-2019
<i>Chrysopogon gryllus</i> (L.) Trin.	Poaceae	H	ME-po		1, 2, 5, 6, 18, 22, 23, 25, 28, 31, 43, 46, 48, 69	Tr-1992; V&al-2019
<i>Cichorium intybus</i> L.	Cichoriaceae	H	WISP		1, 3, 4, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 25, 26, 27, 28, 31, 32, 35, 38, 40, 43, 46, 47, 50, 51, 53, 54, 55, 57, 58, 59, 60, 61, 65, 66, 68	V&al-2019
<i>Cirsium acaule</i> Scop. ssp. <i>acaule</i>	Asteraceae	H	EUAS		8, 33, 59	Vi-1847:50, V&al-2019, as <i>C. acaule</i> Scop.
<i>Cirsium arvense</i> (L.) Scop.	Asteraceae	T	EUAS		1, 4, 13, 16, 27, 28, 35, 40, 46, 66, 68, 70	V&al-2019
<i>Cirsium eriophorum</i> (L.) Scop. ssp. <i>erriophorum</i>	Asteraceae	T	SEU-co		32	
<i>Cirsium vulgare</i> (Savi) Ten.	Asteraceae	H	EUAS		1, 2, 4, 5, 8, 10, 11, 13, 16, 17, 18, 21, 22, 23, 27, 28, 30, 32, 35, 37, 40, 44, 45, 46, 47, 48, 50, 54, 57, 58, 59, 65, 68, 69, 70	V&al-2019
<i>Cleistogenes serotina</i> (L.) Keng	Poaceae	H	SEU-po		18, 25	
<i>Clematis flammula</i> L.	Ranunculaceae	P	ME-circ		1, 2, 4, 5, 6, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 25, 27, 28, 29, 30, 37, 39, 42, 43, 44, 45, 46, 47, 48, 60, 70	V&al-2019
<i>Clematis recta</i> L.	Ranunculaceae	H	EUAS		31, 35	V&al-2019
<i>Clematis vitalba</i> L.	Ranunculaceae	P	EURO		1, 3, 4, 13, 14, 15, 16, 20, 21, 22, 23, 25, 26, 27, 31, 32, 34, 35, 36, 37, 38, 40, 42, 43, 47, 48, 50, 53, 54, 55, 57, 58, 59, 61, 62, 63, 64, 65, 66, 69	L&al-1987; Ma-1992; V&al-2019
<i>Clematis viticella</i> L.	Ranunculaceae	H	SEU-po		3, 16, 22, 23, 28	
<i>Clinopodium vulgare</i> L.	Lamiaceae	H	WISP		4, 11, 18, 19, 21, 26, 32, 38, 40, 64, 65	V&al-2019
<i>Cnidium silaifolium</i> (Jacq.) Simonk.	Apiaceae	H	SEU-me		11, 32	Vi-1852:46 as <i>C. apioides</i> Spr.
<i>Coeloglossum viride</i> (L.) Hartm.	Orchidaceae	G	CIHO	sp	on the southern slopes of Svilaja	Se-2016
<i>Colchicum autumnale</i> L.	Colchicaceae	G	CEU		13, 17, 18, 19, 27, 29, 37, 47, 49, 51, 54, 60	V&al-2019
<i>Colchicum hungaricum</i> Janka	Colchicaceae	G	SEEU		2, 5, 61	V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Colchicum kochii</i> Parl.	Colchicaceae	G	ILBA-end		13, 41, 42	
<i>Colchicum visianii</i> Parl.	Colchicaceae	G	ME-ilape		25	
<i>Colutea arborescens</i> L.	Fabaceae	P	ME-circ		1, 16, 17, 21, 24, 26, 31, 42, 43, 45, 46, 48, 55, 61, 62	V&al-2019
<i>Conium maculatum</i> L.	Apiaceae	H	WISP		14, 16, 17, 25, 67, 70	Pe-1832:39; Vi-1852:69
<i>Consolida regalis</i> S.F.Gray	Ranunculaceae	T	SEU-me		3, 4, 23, 26, 28	V&al-2019
<i>Convallaria majalis</i> L.	Asparagaceae	G	CIHO		32	
<i>Convulvulus arvensis</i> L.	Convulvulaceae	G	WISP		1, 3, 4, 5, 9, 11, 13, 14, 15, 16, 20, 21, 22, 23, 25, 27, 28, 29, 36, 37, 39, 40, 43, 44, 45, 47, 49, 50, 55, 58, 59, 61, 65, 66, 68, 69, 70	V&al-2019
<i>Convulvulus cantabrica</i> L.	Convulvulaceae	H	SEU-me		1, 2, 5, 21, 23, 26, 43, 46, 47	V&al-2019
<i>Conyza bonariensis</i> (L.) Cronquist	Asteraceae	T	CUAD	inv	22	
<i>Conyza canadensis</i> (L.) Cronquist	Asteraceae	T	CUAD	inv	4, 13, 14, 15, 22, 44, 49, 50, 65, 66	
<i>Conyza sumatrensis</i> (Retz.) E. Walker	Asteraceae	T	CUAD	inv	1, 4, 13, 14, 22	
<i>Corallorhiza trifida</i> Châtel.	Orchidaceae	G	CIHO	sp	"in monte Svilaja"; Sinjsko Zelovo	Vi-1842:182 as <i>C. innata</i> R. Br.; Kr-2005:54
<i>Cornus mas</i> L.	Cornaceae	P	SEU-co		1, 2, 5, 7, 14, 15, 16, 17, 18, 19, 20, 22, 25, 26, 27, 30, 31, 36, 37, 40, 41, 42, 44, 47, 48, 49, 54, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67, 69, 70	Je-1952; L&al-1987; V&al-2019
<i>Cornus sanguinea</i> L.	Cornaceae	P	EURO		1, 4, 14, 16, 20, 22, 25, 28, 30, 31, 37, 42, 43, 44, 45, 46, 47, 50, 57, 59, 61, 62, 64, 66, 69, 70	V&al-2019
<i>Coronilla emerus</i> L. ssp. <i>emeroides</i> Boiss. et Spruner	Fabaceae	P	ME-east		1, 2, 5, 19, 21, 25, 29, 30, 32, 36, 37, 39, 41, 42, 43, 44, 46, 47, 50, 60, 61, 64, 69, 70	Je-1952 and L&al-1987 as <i>C. emeroides</i> Boiss. et Spruner; V&al-2019
<i>Coronilla scorpioides</i> (L.) Koch	Fabaceae	T	ME-circ		23, 25, 29, 43, 45	
<i>Coronilla varia</i> L.	Fabaceae	H	EURO		1, 11, 13, 15, 16, 17, 21, 22, 25, 27, 28, 32, 35, 40, 43, 46, 55, 58, 62, 65, 66	V&al-2019
<i>Coronopus squamatus</i> (Forssk.) Asch.	Brassicaceae	T	WISP		14	Ma-1964 as <i>C. procumbens</i> Gilib.
<i>Corydalis ochroleuca</i> Koch	Fumariaceae	H	ME-ilseu		1, 10, 32, 34, 35, 40, 52	
<i>Corydalis solidia</i> (L.) Swartz	Fumariaceae	G	EUAS		11, 15, 41, 66, 67	Mi&al-2013; V&al-2019
<i>Corylus avellana</i> L.	Corylaceae	P	EURO		13*, 14, 37, 40, 44, 52, 63, 65, 66, 70	Pe-1832:41; Je-1952; L&al-1987, as <i>C. pontica</i> Koch.; V&al-2019
<i>Cotinus coggygria</i> Scop.	Anacardiaceae	P	SEU-po		2, 26, 27, 30, 46, 68, 70	L&al-1987; V&al-2019
<i>Cotoneaster integerrimus</i> Medik.	Rosaceae	P	EUAS		34, 35, 40, 41	
<i>Cotoneaster nebrodensis</i> (Guss.) K. Koch	Rosaceae	P	SEU-po		Significant Landscape of Sutina	V&al-2019
<i>Crataegus monogyna</i> Jacq.	Rosaceae	P	EUAS		2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 15, 17, 18, 19, 20, 22, 23, 26, 27, 30, 31, 32, 34, 37, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 59, 60, 61, 63, 64, 65, 67, 69	Je-1952; V&al-2019
<i>Crepis biennis</i> L.	Cichoriaceae	H	CEU		47, 60, 61, 65	
<i>Crepis capillaris</i> (L.) Wallr.	Cichoriaceae	T	CEU		Significant Landscape of Sutina	V&al-2019
<i>Crepis chondrilloides</i> Jacq.	Cichoriaceae	H	ME-ilade		8, 31, 34, 35, 39, 41, 51, 52, 53, 58, 67	Ja-1908; V&al-2019
<i>Crepis foetida</i> L. ssp. <i>rhoeadifolia</i> (M. Bieb.) Čelak.	Cichoriaceae	T	SEU-me		1, 3, 4, 5, 25, 26, 27, 43, 46, 49, 54, 55, 59, 68	
<i>Crepis neglecta</i> L.	Cichoriaceae	T	ME-eu		1, 5, 11, 17, 21, 25, 27, 29, 37, 43, 45, 46, 59, 69	V&al-2019
<i>Crepis panonica</i> (Jacq.) C. Koch	Cichoriaceae	T	EEUPO		65	
<i>Crepis pulchra</i> L.	Cichoriaceae	T	SEU-me		2, 14, 16	
<i>Crepis rubra</i> L.	Cichoriaceae	T	ME-east		2, 30, 45	De-2010; V&al-2019
<i>Crepis sancta</i> (L.) Babc.	Cichoriaceae	T	ME-east		2, 16, 20, 30, 37, 44, 47, 69, 70	
<i>Crepis setosa</i> Haller f.	Cichoriaceae	T	SEU-po		3, 5, 14, 43, 59	
<i>Crepis vesicaria</i> L. ssp. <i>taraxacifolia</i> (Thuill.) Thell.	Cichoriaceae	T	ME-atl		37, 42, 67, 69, 70	V&al-2019
<i>Crepis vesicaria</i> L. ssp. <i>vesicaria</i>	Cichoriaceae	T	ME-circ		47, 70	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Crocus biflorus</i> Mill. ssp. <i>weldenii</i> (Hoppeet Fűrnr.) K. Richt.	Iridaceae	G	SEU-po	end	8	Vi-1842:119 as <i>C. biflorus</i> Mill.; Se-2016
<i>Crocus purpureus</i> Weston	Iridaceae	G	SEU-mo		5, 10, 11, 15	
<i>Crocus variegatus</i> Hoppe et Hornsch.	Iridaceae	G	ME-ilade		Svilaja mountain range; SL Sutina	L&R-1989, as <i>C. reticulatus</i> Stev.; V&al-2019
<i>Crocus thomasi</i> Ten.	Iridaceae	G	ME-ilape	end, sp	26, 27, 48	
<i>Crocus tommasinianus</i> Herb.	Iridaceae	G	ILBA-end		Svilaja mountain range; SL Sutina	L&R-1989
<i>Cruciata glabra</i> (L.) Ehrend	Rubiaceae	H	EUAS		19, 32, 53, 64, 65, 67	Vi-1852:9; Je-1952 as <i>Galium vernum</i> Scop.
<i>Cruciata laevipes</i> Opiz	Rubiaceae	T	EUAS		2, 13, 16, 20, 36, 37, 42, 44, 46, 47, 48, 58, 60, 61, 65, 66, 69, 70	V&al-2019
<i>Cruciata pedemontana</i> (Belliard) Ehrend.	Rubiaceae	T	SEU-me		8, 11, 21	Vi-1852:9
<i>Cupressus horizontalis</i> Mill.	Cupressaceae	P	CUAD		29	
<i>Cupressus sempervirens</i> L.	Cupressaceae	P	CUAD		1, 3, 16, 22*, 46	
<i>Cuscuta campestris</i> Yuncker	Cuscutaceae	T	CUAD	inv	15, 22	
<i>Cuscuta epithymum</i> (L.) L. ssp. <i>epithymum</i>	Cuscutaceae	T	WISP		15	V&al-2019
<i>Cyclamen hederifolium</i> Aiton	Primulaceae	G	SEU-me		13, 18, 19, 37	V&al-2019
<i>Cymbalaria muralis</i> P. Gaertn., B. Mey. et Scherb. ssp. <i>visianii</i> D. A. Webb	Scrophulariaceae	T	ME-ilape	end, sp	on the rocks of the eastern slopes of Svilaja	L&al-1987 as <i>C. pallida</i> (Ten.)
<i>Cynodon dactylon</i> (L.) Pers.	Poaceae	G	WISP		1, 4, 5, 11, 13, 14, 17, 22, 23, 24, 28, 37, 42, 43, 48, 68, 69	
<i>Cynoglossum columnae</i> Ten	Boraginaceae	T	ME-east		1, 2, 20, 30, 49	V&al-2019
<i>Cynoglossum creticum</i> Mill.	Boraginaceae	T	ME-circ		1, 17, 43, 63	
<i>Cynosurus cristatus</i> L.	Poaceae	H	WISP		21	
<i>Cynosurus echinatus</i> L.	Poaceae	T	SEU-me		5, 45, 48, 54	
<i>Cyperus longus</i> L.	Cyperaceae	Hy	EUAS	VU, sp	22	
<i>Cystopteris fragilis</i> (L.) Bernh.	Woodsiaceae	H	WISP		10, 11, 32	
<i>Cytisus procumbens</i> (Willd.) Spreng.	Fabaceae	Ch	SEU-mo		9	
<i>Cytisus villosus</i> Pourr.	Fabaceae	Ch	SEU-po		6, 36	
<i>Dactylis glomerata</i> L. ssp. <i>glomerata</i>	Poaceae	H	EUAS		1, 4, 8, 13, 14, 16, 19, 20, 21, 22, 32, 34, 37, 45, 46, 59, 63, 65, 69	V&al-2019 as <i>D. glomerata</i> L.
<i>Dactylis glomerata</i> L. ssp. <i>hispanica</i> (Roth) Nyman	Poaceae	H	ME-circ		1, 2, 3, 5, 13, 14, 15, 16, 17, 20, 22, 23, 25, 26, 27, 29, 37, 38, 42, 44, 45, 47, 50, 51, 58, 66, 69, 70	
<i>Dactylorhiza maculata</i> (L.) Soó	Orchidaceae	G	EUAS	sp	Svilaja, towards Orlove stine	Kr-2005:62
<i>Dactylorhiza sambucina</i> (L.) Soo	Orchidaceae	G	EURO	sp	10, 11, 12, 52, 57, 61	Kr-2005:70; V&al-2019
<i>Daphne alpina</i> L.	Thymelaeaceae	P	ME-po		9, 30, 33, 34, 35, 40, 51, 52	LRS-1989 as <i>D. alpina</i> s. ampl.
<i>Daphne mezereum</i> L.	Thymelaeaceae	P	EUAS	NT	36	
<i>Dasypyrum villosum</i> (L.) P. Candargy	Poaceae	T	ME-po		1, 3, 5, 14, 16, 20, 21, 23, 24, 25, 28, 42, 43, 46, 49	M&K-2016
<i>Datura wrightii</i> Regel	Solanaceae	T	CUAD	inv	1	
<i>Datura stramonium</i> L.	Solanaceae	T	WISP		3, 5, 14, 17, 66, 68	
<i>Daucus carota</i> L. ssp. <i>carota</i>	Apiaceae	H	WISP		13, 15, 50, 66	V&al-2019, as <i>D. carota</i> L.
<i>Daucus carota</i> L. ssp. <i>major</i> (Vis.) Arcang.	Apiaceae	T	ME-ilade		1, 3, 4, 22, 25, 46, 59	
<i>Daucus carota</i> L. ssp. <i>maritimus</i> (Lam.) Batt.	Apiaceae	T	ME-west		4, 22	
<i>Delphinium fissum</i> Waldst. et Kit. ssp. <i>fissum</i>	Ranunculaceae	H	SEU-po		41	
<i>Delphinium peregrinum</i> L.	Ranunculaceae	T	SEU-me	EN, sp	1, 4, 43	V&al-2019
<i>Deschampsia media</i> (Gouan) Roem. et Schult.	Poaceae	H	SEU-atl		"ad pedem montis Svilaja"	Vi-1842:67 as <i>Aira media</i> Gouan



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Desmazeria rigida</i> (L.) Tutin	Poaceae	T	ME-atl		1, 5, 14, 18, 19, 20, 21, 22, 25, 26, 27, 37	
<i>Dianthus armeria</i> L.	Caryophyllaceae	T	EURO	sp	Significant Landscape of Sutina	V&a-2019
<i>Dianthus carthusianorum</i> L. ssp. <i>sanguineus</i> (Vis.) Hegi	Caryophyllaceae	H	ME-ilade	sp	55	
<i>Dianthus ciliatus</i> Guss. ssp. <i>ciliatus</i>	Caryophyllaceae	H	ME-ilade	end, sp	65	
<i>Dianthus ferrugineus</i> Mill. ssp. <i>liburnicus</i> (Bartl.) Tutin	Caryophyllaceae	H	ME-ilade	end, sp	5, 11, 25, 39, 40, 41, 65	V&a-2019
<i>Dianthus sylvestris</i> Wulfen in Jacq. ssp. <i>nodosus</i> (Tausch) Hayek	Caryophyllaceae	H	ME-ilade	end, sp	56, 58	
<i>Dianthus sylvestris</i> Wulfen in Jacq. ssp. <i>sylvestris</i>	Caryophyllaceae	H	SEU-mo	sp	9, 11, 50, 51, 53, 57, 65	
<i>Dianthus sylvestris</i> Wulfen in Jacq. ssp. <i>tergestinus</i> (Reichenb.) Hayek	Caryophyllaceae	H	ME-ilade	end, sp	1, 6, 8, 9, 23, 31, 33, 58	Tr-1992 as <i>D. tergestinus</i> (Rchb.) Kern.; VRZ-2012; V&a-2019
<i>Dichanthium ischaemum</i> (L.) Roberty	Poaceae	H	SEU-me		6, 13, 15, 17, 18, 19, 21, 22, 23, 25, 26, 27, 43, 48, 49, 68	
<i>Dictamnus albus</i> L.	Rutaceae	Ch	EUAS		13, 14, 20, 25	
<i>Digitalis grandiflora</i> Mill.	Scrophulariaceae	H	SEU-po	NT	53, 65	
<i>Digitalis laevigata</i> Waldst. et Kit.	Scrophulariaceae	H	ILBA-end		9, 29, 31	
<i>Digitaria ischaemum</i> (Schreb.) Muhl.	Poaceae	T	WISP	DD, sp	Significant Landscape of Sutina	V&a-2019
<i>Digitaria sanguinalis</i> (L.) Scop.	Poaceae	T	WISP		4, 14, 65	
<i>Diploaxis muralis</i> (L.) DC.	Brassicaceae	T	WISP		16, 22, 49, 50, 66	V&a-2019
<i>Diploaxis tenuifolia</i> (L.) DC.	Brassicaceae	H	WISP		1, 3, 4, 6, 13, 14, 16, 22, 27, 28, 43, 46, 69, 70	V&a-2019
<i>Diploaxis viminea</i> (L.) DC.	Brassicaceae	T	ME-circ		13, 27	
<i>Dipsacus fullonum</i> L.	Dipsacaceae	H	WISP		3, 4, 13, 22, 23, 25, 44, 46	Ma-1992
<i>Dipsacus laciniatus</i> L.	Dipsacaceae	H	EUAS		3, 22, 59	Vi-1847:11
<i>Dittrichia graveolens</i> (L.) Greuter	Asteraceae	T	SEU-me		68	
<i>Dittrichia viscosa</i> (L.) Greuter	Asteraceae	H	ME-circ		Significant Landscape of Sutina	V&a-2019
<i>Dorycnium germanicum</i> (Gremli) Rikli	Fabaceae	H	SEU-me		8, 9, 11, 26, 30, 31, 32, 33, 35, 36, 38, 39, 40, 41, 45, 50, 52, 53, 54, 56, 59, 62, 65, 69	V&a-2019
<i>Dorycnium herbaceum</i> Vill	Fabaceae	H	SEU-me		1, 7, 13, 18, 19, 22, 23, 28, 46	
<i>Dorycnium hirsutum</i> (L.) Ser.	Fabaceae	Ch	ME-circ		26	
<i>Draba lasiocarpa</i> Rochel	Brassicaceae	H	SEEU		Svilaja mountain range	L&R-1989
<i>Dryopteris filix-mas</i> (L.) Schott	Dryopteridaceae	G	WISP		21, 26, 32	
<i>Dryopteris villarii</i> (Bellardi) Woyнар ex Schinz et Thell.	Dryopteridaceae	H	ME-circ		32	Vi-1842:37 as <i>Aspidium rigidum</i> Sw.; V&a-2019
<i>Echallium elaterium</i> (L.) A.Rich.	Cucurbitaceae	Ch	ME-circ	DD	1, 68	
<i>Echinochloa crus-galli</i> (L.) P. Beauv.	Poaceae	T	WISP		4, 14, 22, 28, 48, 68	
<i>Echinops ritro</i> L. ssp. <i>ruthenicus</i> (M. Bieb.) Nyman	Asteraceae	H	SEU-po	DD	31, 33, 34, 44, 47	V&a-2019 as <i>E. ritro</i> L.
<i>Echium italicum</i> L.	Boraginaceae	H	ME-circ		3, 4, 5, 13, 20, 22, 23, 25, 27, 28, 43, 44, 45, 46, 47, 60, 61	V&a-2019
<i>Echium plantagineum</i> L.	Boraginaceae	T	ME-atl		1	
<i>Echium vulgare</i> L.	Boraginaceae	H	EURO		8, 9, 11, 13, 15, 17, 20, 21, 25, 27, 31, 32, 34, 35, 38, 40, 43, 46, 48, 50, 53, 55, 59, 65, 66, 69	V&a-2019
<i>Edraianthus dalmaticus</i> (A.DC.) A.DC.	Campanulaceae	H	ME-ilade	end, DD, sp	near Vrlika and Muć	L&a-1987, as <i>E. d. var. dolomiticus</i> Lak.
<i>Edraianthus graminifolius</i> (L.) A.DC. ssp. <i>graminifolius</i>	Campanulaceae	Ch	ILBA-end		33, 34	Ja-1908; LRS-1989; L&R-1989 as <i>E. caricinus</i> Schott (s. str.)
<i>Edraianthus tenuifolius</i> (Waldst. et Kit.) A.DC.	Campanulaceae	Ch	ME-ilade	end, sp	8, 9, 10, 31, 32, 33, 34, 38, 39, 40, 41, 51, 52, 53, 54, 55, 67, 69	Ja-1908; L&a-1987 as <i>E. t. var. dolomiticus</i> Lak.; VRZ-2012; Se&a-2016; V&a-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Eleocharis palustris</i> (L.) Roem. et Schult.	Cyperaceae	G	WISP		17, 23, 28	L&R-1989, as <i>Heleocharis uniglumis</i>
<i>Elymus caninus</i> (L.) L.	Poaceae	H	CIHO		"ad sepes et in dumetis circa Verlika"	Vi-1842:94 as <i>Triticum caninum</i> L.
<i>Elymus hispidus</i> (Opiz) Melderis	Poaceae	G	SEU-me		22, 31, 38	
<i>Elymus repens</i> (L.) Gould	Poaceae	G	WISP		1, 11, 13, 15, 17, 21, 22, 23, 25, 35, 43, 46, 50, 58, 65, 70	V&a-2019
<i>Epilobium angustifolium</i> L. (= <i>Chamamerion angustifolium</i> )	Onagraceae	H	WISP		10, 11, 32, 34, 35, 38, 39, 40, 55, 65	V&a-2019
<i>Epilobium hirsutum</i> L.	Onagraceae	H	EUAS		14	V&a-2019
<i>Epilobium montanum</i> L.	Onagraceae	H	EUAS		35	
<i>Epipactis atrorubens</i> (Hoffm.) Besser	Orchidaceae	G	EUAS	sp	Svilaja, Orlove stine	Kr-2005:72
<i>Epipactis greuteri</i> H. Baumann et Künkele	Orchidaceae	G	ME-eu	sp	site 263 (XJ2345) SO Zelovo, 820-840 m	Df-2006
<i>Epipactis helleborine</i> (L.) Crantz	Orchidaceae	G	EUAS	sp	17	Kr-2005:78; V&a-2019
<i>Epipactis microphylla</i> (Ehrh.) Sw.	Orchidaceae	G	EUAS	sp	62	
<i>Epipactis muelleri</i> Godfery	Orchidaceae	G	SEU-me	sp	site 263 (XJ2345) SO Zelovo, 820-840 m	Df-2006
<i>Epipactis placentina</i> Bongiorno & Grünanger	Orchidaceae	G	ME-eu	sp	58 (x=4844918, y=6382266)	Df-2006
<i>Equisetum arvense</i> L.	Equisetaceae	G	CIHO		14, 22, 64, 69, 70	V&a-2019
<i>Equisetum hyemale</i> L.	Equisetaceae	G	CIHO	sp	Significant Landscape of Sutina	V&a-2019
<i>Equisetum palustre</i> L.	Equisetaceae	G	CIHO		14, 46, 69	V&a-2019
<i>Equisetum variegatum</i> F. Weber et D. Mohr	Equisetaceae	G	CIHO	DD	69, 70	
<i>Eragrostis cilianensis</i> (All.) F.T.Hubb.	Poaceae	T	WISP		3, 4, 14, 22, 68	
<i>Eragrostis minor</i> Host	Poaceae	T	ME-circ		14, 26, 27	
<i>Erigeron annuus</i> (L.) Pers. ssp. <i>annuus</i>	Asteraceae	T	CUAD	inv	1, 3, 4, 13, 14, 15, 22, 23, 27, 28, 40, 51, 58, 65, 69	V&a-2019 as <i>E. annuus</i> (L.) Pers.
<i>Erigeron annuus</i> (L.) Pers. ssp. <i>septentrionalis</i> (Fernald et Wiegand) Wagenit	Asteraceae	T	CUAD	inv	1, 4, 13, 14, 15, 16, 17, 22, 25, 28, 31, 41, 42, 43, 53, 59, 65, 66	
<i>Erigeron annuus</i> (L.) Pers. ssp. <i>strigosus</i> (Mühlenb. ex Willd.) Wagenitz	Asteraceae	T	CUAD	inv	18	
<i>Erodium acaule</i> (L.) Becherer et Thell.	Geraniaceae	H	SEU-mo		7, 8, 11, 13, 20, 43	
<i>Erodium ciconium</i> (L.) L'Hér.	Geraniaceae	T	ME-po		Significant Landscape of Sutina	V&a-2019
<i>Erodium cicutarium</i> (L.) L'Hér.	Geraniaceae	T	WISP		5, 6, 11, 13, 14, 16, 20, 24, 26, 27, 29, 47, 49, 50, 65, 66, 70	V&a-2019
<i>Erodium malacoides</i> (L.) L'Hér.	Geraniaceae	T	ME-circ		27	
<i>Erophila verna</i> (L.) Chevall. ssp. <i>praecox</i> (Steven) Walters	Brassicaceae	T	ME-circ		2, 10, 11, 12, 29, 66	
<i>Erophila verna</i> (L.) Chevall. ssp. <i>verna</i>	Brassicaceae	T	WISP		Significant Landscape of Sutina	V&a-2019
<i>Eruca vesicaria</i> (L.) Cav. ssp. <i>sativa</i> (Mill.) Thell.	Brassicaceae	T	CUAD		37	
<i>Eryngium amethystinum</i> L.	Apiaceae	H	ME-ilseu		2, 4, 5, 6, 7, 8, 13, 15, 16, 17, 18, 19, 20, 22, 23, 25, 26, 28, 29, 31, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 65, 66, 67, 69, 70	Je-1952; Tr-1992; V&a-2019
<i>Eryngium campestre</i> L.	Apiaceae	H	SEU-me		1	V&a-2019
<i>Erysimum sylvestris</i> (Crantz) Scop. ssp. <i>sylvestris</i>	Brassicaceae	H	ME-ilade	end, sp	38, 39	
<i>Erythronium dens-canis</i> L.	Liliaceae	G	SEU-co		36, 67	Mi&a-2013; V&a-2019
<i>Euonymus europaeus</i> L.	Celastraceae	P	EUAS		4, 13, 14, 15, 24, 25, 27, 28, 30, 32, 40, 44, 45, 46, 47, 48, 51, 52, 58, 60, 65, 66, 67, 70	
<i>Euonymus verrucosa</i> Scop.	Celastraceae	P	EEUPO		36, 44, 50, 52, 65	V&a-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Eupatorium cannabinum</i> L. ssp. <i>cannabinum</i>	Asteraceae	H	ME-east		14, 22, 46, 69, 70	V&al-2019 as <i>E. cannabinum</i> L.
<i>Euphorbia chamaesyce</i> L.	Euphorbiaceae	T	SEU-me		22, 27	
<i>Euphorbia cyparissias</i> L.	Euphorbiaceae	H	EUAS		6, 12, 30, 31, 40, 58	V&al-2019
<i>Euphorbia falcata</i> L.	Euphorbiaceae	T	SEU-me		1, 23, 25, 26, 27, 43, 45, 59, 62	V&al-2019
<i>Euphorbia fragifera</i> Jan	Euphorbiaceae	Ch	ME-ilade		1, 6, 30	
<i>Euphorbia helioscopia</i> L.	Euphorbiaceae	T	WISP		2, 11, 17, 27, 29, 30, 37, 43, 45, 47, 50, 60, 66, 70	Ma-1992
<i>Euphorbia nicaeensis</i> All.	Euphorbiaceae	G	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Euphorbia peplus</i> L.	Euphorbiaceae	T	WISP		14	
<i>Euphorbia prostrata</i> Aiton	Euphorbiaceae	T	CUAD	LC, inv	3, 22, 27	
<i>Euphorbia spinosa</i> L.	Euphorbiaceae	Ch	ME-circ		1, 2, 6, 23, 25, 27, 31, 47	
<i>Euphorbia barrelieri</i> Savi ssp. <i>hercegovina</i> (Beck) Kuzmanov	Euphorbiaceae	Ch	ME-ilade		69	
<i>Euphrasia liburnica</i> Wettst.	Scrophulariaceae	T	ILBA-end		Significant Landscape of Sutina	V&al-2019
<i>Euphrasia salisburgensis</i> Funck	Scrophulariaceae	T	SEU-mo		50, 59	
<i>Euphrasia stricta</i> Wolff ex J. F. Lehm.	Scrophulariaceae	T	CEU		46	
<i>Fagus sylvatica</i> L.	Fagaceae	P	EURO		9, 10, 11, 12, 32, 34, 35, 36, 38, 39, 40, 55, 57, 58, 63, 64	Ja-1908; Je-1952; L&al-1987 as <i>F. moesiaca</i> (Maly) Czec.; V&al-2019
<i>Fallopia baldschuanica</i> (Regel) Holub	Polygonaceae	P	CUAD		1, 27	
<i>Fallopia convolvulus</i> (L.) Á.Löve	Polygonaceae	T	CIHO		1, 3, 4, 5, 11, 13, 14, 15, 16, 20, 24, 27, 28, 29, 37, 40, 43, 50	
<i>Ferulago sylvatica</i> (Besser) Rchb.	Apiaceae	H	EEUPO		Significant Landscape of Sutina	V&al-2019
<i>Festuca arundinacea</i> Schreb.	Poaceae	H	EUAS		14, 28, 42	
<i>Festuca dalmatica</i> (Hack.) K. Richt.	Poaceae	H	ILBA-end		15, 36	
<i>Festuca heterophylla</i> Lam.	Poaceae	H	EUAS		31	
<i>Festuca illyrica</i> Markgr.-Dann.	Poaceae	H	ME-ilade	end, sp	Svilaja mountain range; above the village of Muć	L&al-1987; LRS-1989; Tr-1992
<i>Festuca ovina</i> L.	Poaceae	H	CEU		Significant Landscape of Sutina	V&al-2019
<i>Festuca panciciana</i> (Hack.) K. Richt.	Poaceae	H	ILBA-end		Svilaja mountain range	LRS-1989
<i>Festuca pratensis</i> Huds.	Poaceae	H	WISP		1, 9, 11, 14, 16, 17, 20, 23, 28, 42, 46, 50, 51, 53, 55, 65, 68, 69	
<i>Festuca rubra</i> L.	Poaceae	H	CIHO		Svilaja mountain range	L&R-1989
<i>Festuca rupicola</i> Heuff.	Poaceae	H	SEEU		1, 9	LRS-1989
<i>Festuca trachyphylla</i> (Hack.) Krajina	Poaceae	H	CEU		Svilaja mountain range	LRS-1989
<i>Festuca valesiaca</i> Schleich. ex Gaudin	Poaceae	H	SEU-po		5, 11, 16, 20, 29, 44, 48, 49, 51, 52	Je-1952; LRS-1989; V&al-2019
<i>Ficus carica</i> L.	Moraceae	P	ME-circ		1, 3, 4, 14, 16, 20, 21, 22, 23, 25, 27, 28, 30, 37, 42, 43, 45, 46, 47, 69	M&K-2016; V&al-2019
<i>Filago pyramidata</i> L.	Asteraceae	T	ME-atl		17, 21, 25, 26, 31	
<i>Filago vulgaris</i> Lam.	Asteraceae	T	EUAS		5, 7, 13	
<i>Filipendula vulgaris</i> Moench	Rosaceae	H	EUAS		2, 6, 11, 12, 13, 17, 18, 19, 20, 25, 26, 27, 29, 30, 32, 39, 40, 41, 43, 48, 51, 52, 53, 55, 57, 58, 59, 61, 65, 67	V&al-2019
<i>Foeniculum vulgare</i> Mill.	Apiaceae	H	ME-circ		17, 22, 28, 29, 43	V&al-2019
<i>Fragaria vesca</i> L.	Rosaceae	H	WISP		2, 11, 14, 18, 20, 22, 23, 25, 29, 37, 38, 39, 40, 41, 42, 63, 64, 65	Pe-1832:37; V&al-2019
<i>Frangula alnus</i> Mill.	Rhamnaceae	P	CEU		Significant Landscape of Sutina	V&al-2019
<i>Frangula rupestris</i> (Scop.) Schur.	Rhamnaceae	P	ME-ilseu		1, 2, 9, 17, 25, 26, 27, 30, 31, 33, 34, 35, 37, 41, 42, 44, 45, 48, 56, 61, 65, 69, 70	Ja-1908 as <i>Rhamnus rupestris</i> ; L&al-1987; V&al-2019
<i>Fraxinus angustifolia</i> Vahl ssp. <i>oxycarpa</i> (M. Bieb. ex Willd.) Francoet Rocha Afonso	Oleaceae	P	ME-circ		16, 22, 46	L&al-1987 as <i>F. angustifolia</i> Vahl.
<i>Fraxinus excelsior</i> L.	Oleaceae	P	EURO		32	Vi-1852:22

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Fraxinus ornus</i> L.	<i>Oleaceae</i>	P	SEU-me		1, 2, 4, 5, 6, 7, 9, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 69, 70	Ja-1908; Je-1952; Me-1972; L&al-1987; V&al-2019
<i>Fritillaria messanensis</i> Raf. ssp. <i>neglecta</i> (Parl.) Nyman	<i>Liliaceae</i>	G	ILBA-end	end	40, 41	K&S-2016; V&al-2019
<i>Fritillaria montana</i> Hoppe ex W.D.J.Koch	<i>Liliaceae</i>	G	SEU-mo		10, 12, 32, 41	Vi-1842:131; L&R-1989; Mi&al-2013 as <i>F. orientalis</i> Adams; K&S-2016
<i>Fumana ericifolia</i> Wallr.	<i>Cistaceae</i>	Ch	ME-west		26, 41, 52, 54, 55, 56, 58	
<i>Fumana procumbens</i> (Dunal) Gren. et Godr.	<i>Cistaceae</i>	Ch	SEU-me		8, 23, 31, 43, 45, 50, 53, 59, 70	Tr-1992 as <i>F. vulgaris</i> Spach.; VRZ-2012; Se&al-2016; V&al-2019
<i>Fumaria officinalis</i> L.	<i>Fumariaceae</i>	T	WISP		16, 24, 37, 43, 68, 70	
<i>Gagea lutea</i> (L.) Ker Gawl.	<i>Liliaceae</i>	G	EUAS		41	V&al-2019
<i>Gagea pusilla</i> (F. W. Schmidt) Sweet	<i>Liliaceae</i>	G	ME-po		Significant Landscape of Sutina	V&al-2019
<i>Gaillardia aristata</i> Pursh.*	<i>Asteraceae</i>	H	CUAD		3*, 4	
<i>Galeopsis angustifolia</i> Hoffm.	<i>Lamiaceae</i>	T	EUAS		55	
<i>Galinsoga parviflora</i> Cav.	<i>Asteraceae</i>	T	CUAD	inv	13, 14, 16, 65, 66, 68	
<i>Galium album</i> Mill.	<i>Rubiaceae</i>	H	EUAS		13	Ma-1964
<i>Galium aparine</i> L.	<i>Rubiaceae</i>	T	WISP		1, 2, 3, 14, 16, 17, 20, 23, 25, 27, 29, 37, 42, 43, 44, 45, 46, 47, 49, 50, 60, 61, 69	Ma-1992; V&al-2019
<i>Galium corradifolium</i> Vill.	<i>Rubiaceae</i>	H	SEU-me		1, 6, 7, 15, 17, 19, 21, 23, 25, 29, 31, 42, 45, 47, 50, 53, 59, 61, 63, 66, 69	Tr-1992; VRZ-2012; V&al-2019
<i>Galium firmum</i> Tausch	<i>Rubiaceae</i>	H	ME-eu	end, sp	34, 35	LRS-1989
<i>Galium lucidum</i> All.	<i>Rubiaceae</i>	H	SEU-me		9, 10, 11, 14, 33, 43, 63	M&K-2016; LRS-1989
<i>Galium mollugo</i> L.	<i>Rubiaceae</i>	H	EUAS		14, 15, 16, 28, 37, 46, 47, 60, 63, 64, 69, 70	Ma-1992; V&al-2019
<i>Galium odoratum</i> (L.) Scop.	<i>Rubiaceae</i>	G	EUAS		35	
<i>Galium palustre</i> L.	<i>Rubiaceae</i>	H	WISP		22, 28	
<i>Galium sylvaticum</i> L.	<i>Rubiaceae</i>	G	EURO		32	
<i>Galium verum</i> L.	<i>Rubiaceae</i>	H	WISP		1, 2, 4, 7, 8, 11, 13, 15, 16, 18, 19, 21, 22, 23, 25, 28, 37, 38, 39, 40, 41, 42, 43, 44, 46, 51, 53, 54, 55, 58, 59, 60, 62, 63, 66, 69, 70	V&al-2019
<i>Genista januensis</i> Viv.	<i>Fabaceae</i>	Ch	ILBA-bap		2, 10, 11, 13, 14, 26	
<i>Genista pulchella</i> Vis. ssp. <i>pulchella</i>	<i>Fabaceae</i>	Ch	ILBA-end	end, sp	Svilaja mountain range	LRS-1989
<i>Genista radiata</i> (L.) Scop.	<i>Fabaceae</i>	Ch	SEU-mo		34	
<i>Genista sericea</i> Wulfen	<i>Fabaceae</i>	Ch	ME-east	end, sp	11	LRS-1989
<i>Genista tinctoria</i> L.	<i>Fabaceae</i>	Ch	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Genista sylvestris</i> Scop. ssp. <i>dalmatica</i> (Bartl.) H. Lindb.	<i>Fabaceae</i>	Ch	ME-ilade	end, sp	1, 17, 23, 26, 31, 51, 57, 61, 65, 67	Tr-1992 as <i>G. dalmatica</i> Bartl. et Wendl.; VRZ-2012; V&al-2019
<i>Genista sylvestris</i> Scop. ssp. <i>sylvestris</i>	<i>Fabaceae</i>	Ch	ME-ilade		11, 30, 33, 38, 40, 41, 43, 44, 45, 47, 51, 52, 53, 56, 58, 62, 64, 69, 70	LRS-1989 as <i>G. sylvestris</i> Scop. ssp. <i>innocua</i> (Vis.) Hay.
<i>Gentiana cruciata</i> L.	<i>Gentianaceae</i>	H	EUAS		8, 62	Se-2016; V&al-2019
<i>Gentiana dinarica</i> Beck	<i>Gentianaceae</i>	H	SEEU	NT	41	Se-2016
<i>Gentiana tergestina</i> Beck	<i>Gentianaceae</i>	H	ME-ilseu		34	
<i>Gentiana utriculosa</i> L.	<i>Gentianaceae</i>	T	CEU		52, 53	
<i>Gentiana verna</i> L.	<i>Gentianaceae</i>	H	EUAS		10, 12	L&R-1989
<i>Gentianella crispata</i> (Vis.) Holub	<i>Gentianaceae</i>	H	ILBA-end		Svilaja mountain range	LRS-1989
<i>Geranium columbinum</i> L.	<i>Geraniaceae</i>	T	EUAS		8, 17, 23, 40, 42, 43, 45, 46, 51, 55, 58	
<i>Geranium dissectum</i> L.	<i>Geraniaceae</i>	T	WISP		2, 3, 16, 17, 28, 37, 44, 45, 47, 60, 69, 70	V&al-2019
<i>Geranium lucidum</i> L.	<i>Geraniaceae</i>	T	ME-atl		2, 10, 11, 12, 13, 14, 16, 19, 20, 26, 27, 32, 36, 37, 40, 42, 44, 61, 64	Ja-1908; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Geranium macrorrhizum</i> L.	Geraniaceae	H	ILBA-bap		32	
<i>Geranium molle</i> L. ssp. <i>molle</i>	Geraniaceae	T	WISP		27, 47	
<i>Geranium molle</i> L. ssp. <i>brutium</i> (Gasparr.) Graebn.	Geraniaceae	T	ME-east		2, 14, 16, 20, 37, 44, 45, 61, 66, 69, 70	V&al-2019
<i>Geranium purpureum</i> Vill.	Geraniaceae	T	SEU-me		2, 6, 10, 14, 21, 25, 30, 31, 36, 37, 38, 40, 41, 42, 45, 50, 51, 52, 53, 55, 56, 70	M&K-2016; VRZ-2012; V&al-2019
<i>Geranium pusillum</i> Burm. f.	Geraniaceae	T	EURO		20, 27	Ma-1964
<i>Geranium robertianum</i> L.	Geraniaceae	T	WISP		11, 14, 16, 20, 32, 34, 35, 44, 45, 60, 63, 64, 69	V&al-2019
<i>Geranium rotundifolium</i> L.	Geraniaceae	T	EUAS		2, 14, 27, 37, 49, 68	Ma-1992; M&K-2016
<i>Geranium sanguineum</i> L.	Geraniaceae	H	SEU-me		10, 11, 19, 20, 36, 39, 65, 66, 67	Pe-1832:62; V&al-2019
<i>Geum urbanum</i> L.	Rosaceae	H	WISP		3, 11, 14, 20, 27, 32, 34, 35, 36, 37, 38, 40, 42, 47, 52, 58, 60, 61, 63, 64, 65, 66, 70	Ma-1992
<i>Gladiolus imbricatus</i> L.	Iridaceae	G	CUAD	sp	29	
<i>Gladiolus illyricus</i> W. D. J. Koch	Iridaceae	G	SEU-me	sp	28	V&al-2019
<i>Glechoma hederacea</i> L.	Lamiaceae	H	CIHO		14, 16	Vi-1847:203
<i>Globularia cordifolia</i> L. ssp. <i>bellidifolia</i> (Ten.) Wettst.	Globulariaceae	Ch	ME-ilape		2, 7, 8, 9, 10, 11, 12, 26, 29, 30, 31, 33, 36, 39, 40, 41, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 64, 67, 69, 70	Vi-1847:10 as <i>G. cordifolia</i> ; L&R-1989, LRS-1989 as <i>G. meridionalis</i> (Podp.) Schw.; Se&al-2016; V&al-2019
<i>Globularia cordifolia</i> L. ssp. <i>cordifolia</i> (L.) Hayek	Globulariaceae	Ch	SEU-mo		Significant Landscape of Sutina	V&al-2019
<i>Glyceria fluitans</i> (L.) R. Br.	Poaceae	Hy	WISP	VU, sp	70	
<i>Glycyrrhiza glabra</i> L.	Fabaceae	G	ME-po		35	
<i>Gratiola officinalis</i> L.	Scrophulariaceae	H	WISP		28	
<i>Gymnadenia conopsea</i> (L.) R. Br.	Orchidaceae	G	EUAS	sp	41, 46	Kr-2005:120
<i>Gypsophila fastigiata</i> L.	Caryophyllaceae	Ch	CEU	DD, sp	51, 52	
<i>Haplophyllum patavinum</i> (L.) G. Don	Rutaceae	Ch	ME-ilseu		1, 9, 26, 31, 34, 36, 39, 41, 56, 58, 62, 65, 70	V&al-2019
<i>Hedera helix</i> L.	Araliaceae	P	EUAS		1, 3, 4, 5, 13, 14, 16, 20, 23, 25, 27, 28, 29, 37, 42, 43, 45, 46, 47, 50, 61, 63, 64, 69, 70	Je-1952; L&al-1987; V&al-2019
<i>Helianthemum canum</i> (L.) Baumg.	Cistaceae	Ch	EURO		around the Golubinka pit	VRZ-2012
<i>Helianthemum nummularium</i> (L.) Mill. ssp. <i>glabrum</i> (Koch) Wilczek	Cistaceae	Ch	SEU-me		26	
<i>Helianthemum nummularium</i> (L.) Mill. ssp. <i>grandiflorum</i> (Scop.) Schinz et Thell.	Cistaceae	Ch	SEU-mo		1, 9, 10, 11, 17, 42, 45, 47, 49	V&al-2019
<i>Helianthemum nummularium</i> (L.) Mill. ssp. <i>obscurum</i> (Čelak.) Holub	Cistaceae	Ch	SEU-me		16, 18, 19, 26, 32, 38, 46, 67, 70	
<i>Helianthemum oelandicum</i> (L.) DC. ssp. <i>italicum</i> (L.) Font Quer et Rothm.	Cistaceae	Ch	SEU-me		2, 11, 13, 31, 36, 39, 41, 48, 51, 52, 54, 58, 64, 69	V&al-2019
<i>Helianthemum salicifolium</i> (L.) Mill.	Cistaceae	T	SEU-me		1, 2, 5, 29, 44	
<i>Helianthus annuus</i> L.	Asteraceae	T	CUAD		24, 43*	
<i>Helianthus tuberosus</i> L.	Asteraceae	G	CUAD	inv	3, 4, 5, 13, 14, 27, 28, 46, 70	Vi-1847:94
<i>Helichrysum italicum</i> (Roth) G. Don	Asteraceae	Ch	ME-circ		1, 2, 6, 8, 21, 25, 26, 27, 43, 44, 45, 47, 48, 50, 54, 55, 57, 61, 62, 64	Se&al-2016; V&al-2019
<i>Helictotrichon convolutum</i> (C.Presl) Henrard.	Poaceae	H	ME-west		1, 2, 6, 23, 29, 55, 58	
<i>Heliotropium europaeum</i> L.	Boraginaceae	T	ME-po		3, 4, 13, 14, 27, 49, 68	
<i>Helleborus multifidus</i> Vis. ssp. <i>multifidus</i>	Ranunculaceae	G	ME-ilape	end, sp	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 34, 35, 36, 37, 38, 39, 40, 41, 44, 47, 51, 52, 53, 55, 56, 57, 58, 59, 61, 62, 64, 65, 66, 67	Pe-1832:65, Je-1952 and V&al-2019 as <i>H. multifidus</i>
<i>Hemerocallis fulva</i> (L.) L.	Xanthorrhoeaceae	G	CUAD		1, 5, 24, 28, 42, 46, 66*, 70	



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Heracleum sphondylium</i> L.	Apiaceae	H	EUAS		34, 65, 66	Vi-1852:54
<i>Herniaria glabra</i> L.	Caryophyllaceae	T	EUAS		11, 39, 40, 55	L&R-1989
<i>Herniaria hirsuta</i> L. ssp. <i>hirsuta</i>	Caryophyllaceae	T	EUAS		3	
<i>Herniaria incana</i> Lam.	Caryophyllaceae	H	SEU-me		1, 22, 25, 26, 27, 30	V&al-2019
<i>Hesperis laciniata</i> All.	Brassicaceae	H	ME-ilseu		14, 41	
<i>Hibiscus trionum</i> L.	Malvaceae	T	SEU-po	EN, sp	1, 13, 68	
<i>Hieracium cymosum</i> L.	Cichoriaceae	H	EUAS		2	
<i>Hieracium heterogynum</i> (Froel.) Gutermann	Cichoriaceae	H	ILBA-end		6, 26, 27, 31, 39, 43, 51, 53, 54, 56, 58	V&al-2019
<i>Hieracium hoppeanum</i> Schult. ssp. <i>troicum</i> Zahn	Cichoriaceae	H	SEEU		1, 8, 17, 18, 19, 21, 23, 24, 25, 26, 31, 33, 34, 35, 39, 41, 43, 48, 49, 50, 53, 54, 55, 56, 57, 59, 62, 66	
<i>Hieracium murorum</i> L.	Cichoriaceae	H	EUAS		38, 64	Vi-1847:123; V&al-2019
<i>Hieracium pilosella</i> L.	Cichoriaceae	H	EUAS		11, 51, 58	V&al-2019
<i>Hieracium piloselloides</i> Vill. ssp. <i>piloselloides</i>	Cichoriaceae	H	ME-ilseu		8, 31, 32, 51, 59, 69	
<i>Hieracium praealtum</i> Vill. ex Gochnat ssp. <i>bauhinii</i> (Besser) Petunn.	Cichoriaceae	H	EUAS		11, 13, 17, 21, 25, 29, 31, 35, 39, 40, 42, 43, 45, 46, 47, 53, 55, 57, 58, 62, 63, 64, 70	Tr-1992 as <i>H. bauhinii</i> Schultes; V&al-2019
<i>Hieracium racemosum</i> Waldst. et Kit. ex Willd.	Cichoriaceae	H	SEU-me		19, 46	
<i>Hieracium tommasinii</i> Rchb. f.	Cichoriaceae	H	ME-ilade		rocks of the eastern slopes of Svilajaja; SL Sutina	L&al-1987 as <i>H. tommasinii</i> Kern. s.l.; V&al-2019
<i>Hieracium waldsteinii</i> Tausch	Cichoriaceae	H	ILBA-end	end, sp	32, 33, 34, 35, 39, 40, 41, 53, 55	
<i>Hippocrepis comosa</i> L.	Fabaceae	H	SEU-me		2, 8, 17, 29, 30, 31, 33, 37, 42, 44, 45, 46, 47, 48, 51, 53, 58, 60, 61, 62, 64, 65, 69, 70	V&al-2019
<i>Holcus lanatus</i> L.	Poaceae	H	EUAS		16, 28	Vi-1842:48
<i>Hordeum bulbosum</i> L.	Poaceae	H	SEU-me		17, 25, 28	
<i>Hordeum murinum</i> L. ssp. <i>leporinum</i> (Link) Arcang.	Poaceae	T	ME-circ		16, 27, 37, 45	Ma-1964, 1992 as <i>H. leporinum</i> Lk.; V&al-2019
<i>Hordeum murinum</i> L. ssp. <i>murinum</i>	Poaceae	T	WISP	LC	3, 5, 14, 16, 20, 23	
<i>Hordeum secalinum</i> Schreb.	Poaceae	H	EUAS	EN, sp	43	
<i>Hornungia petraea</i> (L.) Rchb.	Brassicaceae	T	WISP		8, 9, 10, 11, 12, 38, 51, 52	V&al-2019
<i>Humulus lupulus</i> L.	Cannabaceae	H	CIHO		14, 15, 37, 70	
<i>Hyacinthella dalmatica</i> (Baker) Chouard	Asparagaceae	G	ME-ilade	end, DD, sp	2, 5, 6, 13, 30, 41, 44, 51, 52, 53, 66, 67	M&al-2013; V&al-2019
<i>Himantoglossum adriaticum</i> H. Baumann	Orchidaceae	G	SEU-me	NT, sp	1	
<i>Hymenolobus procumbens</i> (L.) Nutt.	Fabaceae	T	WISP	DD	41	
<i>Hyoscyamus albus</i> L.	Solanaceae	H	ME-circ		21, 23, 30, 59	
<i>Hyoscyamus niger</i> L.	Solanaceae	H	EUAS		59	Pe-1832:68
<i>Hypericum montanum</i> L.	Clusiaceae	H	EUAS		32, 35	V&al-2019
<i>Hypericum perforatum</i> L. ssp. <i>perforatum</i>	Clusiaceae	H	SEU-me		1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 13, 15, 17, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54, 55, 58, 59, 60, 63, 65, 66, 69	V&al-2019 as <i>H. perforatum</i> L.
<i>Hyssopus officinalis</i> L.	Lamiaceae	Ch	SEU-me	DD	6	
<i>Ilex aquifolium</i> L.	Aquifoliaceae	P	SEU-atl	VU, sp	63	V&al-2019
<i>Inula britannica</i> L.	Asteraceae	H	EUAS		13, 22, 50	
<i>Inula conyza</i> DC.	Asteraceae	H	SEU-po		3, 5, 13, 21, 23, 27, 34, 35, 36, 39, 40, 43, 47, 49, 50, 53, 54, 58, 59, 61, 65, 66	V&al-2019
<i>Inula ensifolia</i> L.	Asteraceae	H	EEUPO		9, 11, 12, 26, 31, 39, 40, 41, 50, 51, 52, 53, 56, 65	Se&al-2016; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Inula hirta</i> L.	Asteraceae	H	SEU-me		51, 58, 65	V&a-2019
<i>Inula montana</i> L.	Asteraceae	H	SEU-atl		"circa Verlika"	Vi-1847:64
<i>Inula oculus-christi</i> L.	Asteraceae	H	SEU-po		5, 15, 16, 17, 18, 21, 27, 43, 46, 50, 58	V&a-2019
<i>Inula salicina</i> L. ssp. <i>salicina</i>	Asteraceae	H	EUAS	LC	23, 25, 28	
<i>Inula spiraeifolia</i> L.	Asteraceae	H	SEU-me		1, 2, 4, 18, 25, 26, 45	
<i>Inula verbascifolia</i> (Willd.) Hausskn. ssp. <i>verbascifolia</i>	Asteraceae	Ch	ME-ilseu		6, 14, 41, 48, 50, 54, 57, 58	L&a-1987 as <i>I. verbascifolia</i> (Willd.) Hausskn.; M&K-2016; V&a-2019
<i>Ipomoea purpurea</i> Roth	Convolvulaceae	T	CUAD		1, 27	
<i>Iris adriatica</i> Trinajstić ex Mitić	Iridaceae	G	ME-ilade	end, NT, sp	6	
<i>Iris germanica</i> L.	Iridaceae	G	CUAD	sp	1, 2, 3*, 16, 17, 20, 22*, 27, 29, 30, 37, 46, 66	
<i>Iris illyrica</i> Tomm.	Iridaceae	G	ME-ilade	end, LC, sp	23, 41	V&a-2019
<i>Iris pseudacorus</i> L.	Iridaceae	G	WISP	sp	70	
<i>Isatis tinctoria</i> L.	Brassicaceae	H	EUAS		5, 23	
<i>Isopyrum thalictroides</i> L.	Ranunculaceae	G	EUAS		Significant Landscape of Sutina	V&a-2019
<i>Juglans regia</i> L.	Juglandaceae	P	CUAD		1, 3*, 4, 11*, 13*, 14, 16, 20, 22, 25, 27, 30, 37, 42, 43, 46*, 47, 48, 49*, 50*, 58, 59, 61*, 66, 70	
<i>Juncus articulatus</i> L.	Juncaceae	H	CIHO		22	
<i>Juncus bufonius</i> L.	Juncaceae	T	WISP		28	L&R-1989
<i>Juncus gerardi</i> Loisel. ssp. <i>gerardi</i>	Juncaceae	G	WISP		46	
<i>Juncus inflexus</i> L.	Juncaceae	H	EUAS		23	V&a-2019
<i>Juncus tenuis</i> Willd.	Juncaceae	H	CUAD	inv	59	
<i>Juniperus communis</i> L. ssp. <i>communis</i>	Cupressaceae	P	CIHO		51, 52	V&a-2019 as <i>J. communis</i> L.
<i>Juniperus communis</i> L. ssp. <i>nana</i> Syme	Cupressaceae	P	EURO		8	
<i>Juniperus oxycedrus</i> L. ssp. <i>macrocarpa</i> (Sm.) Ball	Cupressaceae	P	ME-circ	LC	31	VRZ-2012; V&a-2019
<i>Juniperus oxycedrus</i> L. ssp. <i>oxycedrus</i>	Cupressaceae	P	ME-circ		1, 2, 3, 7, 17, 21, 23, 30, 31, 33, 34, 37, 42, 43, 44, 45, 47, 48, 50, 51, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64, 67, 69, 70	Ja-1908, Je-1952, Me-1972, L&a-1987 and Tr-1992, all as <i>J. oxycedrus</i> L.; V&a-2019
<i>Jurinea mollis</i> (L.) Rchb	Asteraceae	H	SEEU		39, 40, 41, 51, 52, 53, 54, 56, 58, 64, 67	Se&a-2016; V&a-2019
<i>Kickxia spuria</i> (L.) Dumort.	Scrophulariaceae	T	EUAS		13, 22	
<i>Knautia adriatica</i> Ehrend	Dipsacaceae	H	ME-ilade	end, DD, sp	31, 59	
<i>Knautia arvensis</i> (L.) Coult.	Dipsacaceae	H	EUAS		32, 36, 55, 65	V&a-2019
<i>Knautia clementii</i> (Beck) Ehrend.	Dipsacaceae	H	ME-ilade	end, DD, sp	26, 36, 46	
<i>Knautia dalmatica</i> Beck	Dipsacaceae	H	ME-ilade	end, DD, sp	24, 36	L&a-1987; LRS-1989
<i>Knautia dinarica</i> (Murb.) Borbás	Dipsacaceae	H	SEEU		38, 46	
<i>Knautia illyrica</i> Beck	Dipsacaceae	H	ME-ilape	end, DD, sp	26, 53	L&a-1987; Tr-1992,
<i>Knautia travnicensis</i> (Beck) Szabó	Dipsacaceae	T	ME-circ	end, DD, sp	3, 21, 46	
<i>Koeleria macrantha</i> (Ledeb.) Schult.	Poaceae	H	CIHO		Significant Landscape of Sutina	V&a-2019
<i>Koeleria pyramidata</i> (Lam.) P. Beauv.	Poaceae	H	CEU		9, 11, 23, 31, 33, 40	
<i>Koeleria splendens</i> C.Presl	Poaceae	H	SEU-me		1, 6, 7, 8, 17, 18, 25, 26, 31, 32, 38, 39, 45, 48, 50, 51, 52, 55, 56, 59, 60, 66, 69	LRS-1989; Tr-1992; Se&a-2016; V&a-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Lactuca perennis</i> L.	Cichoriaceae	H	SEU-po		35, 36	Ja-1908
<i>Lactuca sativa</i> L.	Cichoriaceae	T	CUAD		11, 16*, 22*, 25*, 25*, 27, 37*, 37, 43*, 49*, 70	
<i>Lactuca serriola</i> L.	Cichoriaceae	H	WISP		1, 3, 4, 5, 11, 13, 14, 15, 16, 17, 20, 22, 23, 25, 27, 28, 29, 37, 38, 43, 45, 48, 50, 54, 59, 69, 70	V&al-2019
<i>Lactuca viminea</i> (L.) J. et C.Presl	Cichoriaceae	H	SEU-po		1, 2, 3, 4, 5, 6, 8, 13, 14, 15, 16, 20, 21, 22, 23, 25, 26, 27, 28, 29, 31, 32, 35, 37, 38, 40, 42, 43, 45, 50, 53, 55, 56, 58, 66	V&al-2019
<i>Lamium amplexicaule</i> L.	Lamiaceae	T	EUAS		14, 16, 24, 27, 28, 29, 37, 40, 65	M&K-2016
<i>Lamium bifidum</i> Cirillo	Lamiaceae	T	ME-circ		2	Vi-1847:211; V&al-2019
<i>Lamium galeobdolon</i> (L.) L.	Lamiaceae	H	CEU		14, 32	Vi-1847:211 as <i>L. galeobdolon</i> Crantz
<i>Lamium maculatum</i> L.	Lamiaceae	H	EUAS		10, 13, 14, 16, 27, 30, 34, 37, 42, 44, 45, 47, 50, 66, 70	V&al-2019
<i>Lamium purpureum</i> L.	Lamiaceae	T	EUAS		2, 20, 26, 29, 36, 39, 40, 42, 44, 60, 61, 69, 70	
<i>Lappula squarrosa</i> (Retz.) Gurke ssp. <i>squarrosa</i>	Boraginaceae	T	EUAS		26	V&al-2019
<i>Lapsana communis</i> L.	Cichoriaceae	T	EUAS		32, 35	V&al-2019
<i>Laser trilobum</i> (L.) Borkh.	Apiaceae	H	SEU-po		32	
<i>Laserpitium latifolium</i> L.	Apiaceae	H	EURO		24	
<i>Lathraea squamaria</i> L.	Scrophulariaceae	G	EUAS		14	
<i>Lathyrus annuus</i> L.	Fabaceae	T	SEU-me		14	Vi-1852:327
<i>Lathyrus aphaca</i> L.	Fabaceae	T	SEU-me		5, 14, 16, 17, 21, 27, 28, 37, 42, 44, 69	V&al-2019
<i>Lathyrus cicera</i> L.	Fabaceae	T	ME-circ		42, 45	
<i>Lathyrus latifolius</i> L.	Fabaceae	H	SEU-me		2, 4, 13, 15, 20, 21, 22, 28, 37, 42, 46, 58, 61, 65, 69	V&al-2019
<i>Lathyrus niger</i> (L.) Bernh.	Fabaceae	G	EURO		Significant Landscape of Sutina	V&al-2019
<i>Lathyrus pannonicus</i> (Jacq.) Garcke	Fabaceae	G	EEUPO		2, 29, 30	V&al-2019
<i>Lathyrus pratensis</i> L.	Fabaceae	H	EUAS		11, 15, 65, 70	V&al-2019
<i>Lathyrus sphaericus</i> Retz.	Fabaceae	T	ME-circ		21, 25, 42, 47, 70	V&al-2019
<i>Lathyrus sylvestris</i> L.	Fabaceae	H	EURO		28	
<i>Lathyrus tuberosus</i> L.	Fabaceae	G	EUAS		70	Vi-1852:329
<i>Lathyrus venetus</i> (Mill.) Wohlf.	Fabaceae	G	EEUPO		32	V&al-2019
<i>Lathyrus vernus</i> (L.) Bernhardt	Fabaceae	G	EEUPO		11, 14, 36, 52, 67	
<i>Legousia hybrida</i> (L.) Delarbre	Campanulaceae	T	SEU-atl		25, 29, 46	
<i>Legousia speculum-veneris</i> (L.) Chaix	Campanulaceae	T	SEU-me		67	
<i>Leontodon crispus</i> Vill. ssp. <i>crispus</i>	Cichoriaceae	H	SEU-me		8, 9, 11, 17, 23, 30, 31, 33, 36, 39, 45, 52, 59, 61, 62	Tr-1992, V&al-2019, as <i>L. crispus</i> Vill.
<i>Leontodon crispus</i> Vill. ssp. <i>rossianus</i> (Degenet Lengyel) Hayek	Cichoriaceae	H	ME-ilade	end, sp	2	
<i>Leontodon hispidus</i> L. ssp. <i>danubialis</i> (Jacq.) Simonk.	Cichoriaceae	H	CEU		15, 64, 70	V&al-2019 as <i>L. hispidus</i> L.
<i>Leonurus cardiaca</i> L.	Lamiaceae	H	EUAS		3, 5, 16, 21, 23, 27, 50	
<i>Lepidium campestre</i> (L.) R. Br.	Brassicaceae	T	WISP		3, 16, 17, 43, 45, 46, 63, 70	
<i>Lepidium graminifolium</i> L.	Brassicaceae	H	SEU-po		14, 27	
<i>Lepidium virginicum</i> L.	Brassicaceae	T	CUAD	inv	Vrlika	Ma-1964
<i>Leucanthemum illyricum</i> (Horvatić) Vogt et Greuter	Asteraceae	H	ME-ilade		Svilaja mountain range	LRS-1989
<i>Leucanthemum ircutianum</i> DC.	Asteraceae	H	SEU-me		2, 14, 16, 23, 29, 34, 37, 39, 41, 42, 44, 45, 47, 53, 55, 60, 61, 63, 64, 66, 69, 70	
<i>Leucanthemum vulgare</i> Lam.	Asteraceae	H	EUAS		33, 40, 53	Pe-1832:36 as <i>Chrysanthemum leucanthemum</i> L.; V&al-2019
<i>Ligustrum vulgare</i> L.	Oleaceae	P	CEU		4, 16, 22, 37, 43, 46, 47, 61, 64, 69, 70	Vi-1852:20; L&al-1987; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Lilium bulbiferum</i> L.	Liliaceae	G	CEU	VU, sp	Svilaja mountain range	LRS-1989 as <i>L. bulbiferum</i> L. ssp. <i>croceum</i> (Ch.) Bak.
<i>Lilium candidum</i> L.	Liliaceae	G	CUAD		3, 23, 24*, 27*, 37*, 43*	
<i>Lilium carnioolicum</i> Bernh. ex Koch	Liliaceae	G	ILBA-end	VU, sp	41	V&a-2019
<i>Lilium martagon</i> L. ssp. <i>cattaniae</i> (Vis.) Degen	Liliaceae	G	ME-ilade	end, VU, sp	11, 32, 35, 36, 38, 39, 40, 41, 52, 53, 65, 67	Vi-1842:132 as <i>L. martagon</i> ; Ku-1969 as <i>L. cattaniae</i> Vis.; V&a-2019
<i>Limodorum abortivum</i> (L.) Sw	Orchidaceae	G	SEU-me	sp	13, 14, 18, 25, 41, 70	Kr-2005:130; Df-2006; V&a-2019
<i>Linaria angustissima</i> (Loisel.) Borbás	Scrophulariaceae	H	SEU-me		5, 7, 15, 27, 59	Vi-1847:163 as <i>L. italica</i> Trevir.
<i>Linaria vulgaris</i> Mill.	Scrophulariaceae	H	EUAS		50, 68	V&a-2019
<i>Linum austriacum</i> L.	Linaceae	H	EEUPO		29, 31, 37, 42, 44, 45, 57, 64, 67, 69, 70	V&a-2019
<i>Linum bienne</i> Mill.	Linaceae	H	ME-atl		28, 43, 45, 52, 56, 58, 60	
<i>Linum catharticum</i> L.	Linaceae	T	WISP		7, 8, 32, 34, 35, 40, 46	
<i>Linum hirsutum</i> L.	Linaceae	H	SEEU		69	
<i>Linum hologynum</i> Rchb.	Linaceae	H	ILBA-end		16	
<i>Linum perenne</i> L.	Linaceae	H	SEU-mo		Svilaja mountain range	LRS-1989 as <i>L. montanum</i> Schl. ex DC.
<i>Linum tenuifolium</i> L.	Linaceae	Ch	SEU-po		5, 7, 8, 11, 19, 23, 26, 28, 31, 32, 34, 38, 39, 40, 41, 46, 48, 50, 51, 53, 55, 56, 57, 58, 62, 65	Tr-1992; V&a-2019
<i>Listera ovata</i> (L.) R. Br.	Orchidaceae	G	EUAS	sp	plateau of Svilaja, Zelovo; SL Sutina	Kr-2005:134; V&a-2019
<i>Lithospermum arvense</i> L.	Boraginaceae	T	EUAS		37, 69	V&a-2019
<i>Lithospermum officinale</i> L.	Boraginaceae	H	EUAS		42, 63	V&a-2019
<i>Lithospermum purpuroceruleum</i> L.	Boraginaceae	H	SEU-po		2, 20, 26, 64, 65, 67, 70	V&a-2019
<i>Lolium multiflorum</i> Lam.	Poaceae	T	ME-circ		5, 24, 58	
<i>Lolium perenne</i> L.	Poaceae	H	EURO		1, 3, 5, 13, 15, 16, 20, 22, 23, 25, 27, 28, 46, 49, 50, 63, 66	V&a-2019
<i>Lolium rigidum</i> Gaudin ssp. <i>rigidum</i>	Poaceae	T	ME-circ		14, 16, 22	Ma-1992 as <i>L. rigidum</i> Gaudin
<i>Lomelosia argentea</i> (L.) Greuter et Burdet	Dipsacaceae	H	EEUPO		Significant Landscape of Sutina	V&a-2019
<i>Lomelosia graminifolia</i> (L.) Greuter et Burdet	Dipsacaceae	H	SEU-me		34, 39, 41, 51, 52	
<i>Lonicera caprifolium</i> L.	Caprifoliaceae	P	SEU-co		52	
<i>Lonicera etrusca</i> Santi	Caprifoliaceae	P	ME-circ		2, 6, 27, 30?, 31, 36, 41, 44, 47?, 48, 51, 55, 57, 58, 67	V&a-2019
<i>Lonicera xylosteum</i> L.	Caprifoliaceae	P	EUAS		32	Vi-1852:18
<i>Lophochloa cristata</i> (L.) Hyl.	Poaceae	T	ME-atl		3, 23, 25	
<i>Loranthus europaeus</i> Jacq.	Loranthaceae	P	EUAS		13, 30, 45	Vi-1852:23 as <i>V. album</i> L.
<i>Lotus corniculatus</i> L. ssp. <i>corniculatus</i>	Fabaceae	H	WISP		8, 16, 20, 23, 26, 28, 37, 42, 59, 63, 70	Je-1952 and L&R-1989 as <i>L. corniculatus</i> L.
<i>Lotus corniculatus</i> L. ssp. <i>hirsutus</i> Rothm.	Fabaceae	H	SEU-me		1, 5, 7, 8, 9, 11, 16, 17, 21, 23, 25, 26, 27, 29, 32, 35, 36, 38, 39, 40, 42, 43, 44, 45, 46, 52, 53, 55, 58, 62, 65	V&a-2019
<i>Lotus glaber</i> Mill.	Fabaceae	H	WISP		13, 15, 21, 22, 28	
<i>Lunaria annua</i> L.	Brassicaceae	H	ILBA-bap		23*, 30	
<i>Luzula campestris</i> (L.) DC.	Juncaceae	H	WISP		10, 11, 35, 36, 37, 51, 52, 65	V&a-2019
<i>Luzula forsteri</i> (Sm.) DC.	Juncaceae	H	ME-circ		25, 37, 63	
<i>Luzula luzuloides</i> (Lam.) Dandy et Wilmott ssp. <i>luzuloides</i>	Juncaceae	H	CEU		32	
<i>Luzula multiflora</i> (Retz.) Lej.	Juncaceae	H	CIHO		2, 25, 44	
<i>Luzula sylvatica</i> (Huds.) Gaudin	Juncaceae	H	SEEU		Significant Landscape of Sutina	V&a-2019
<i>Lycopus europaeus</i> L.	Lamiaceae	H	EUAS		70	
<i>Lysimachia punctata</i> L.	Primulaceae	H	EEUPO		Significant Landscape of Sutina	V&a-2019
<i>Lythrum salicaria</i> L.	Lythraceae	H	WISP		4, 22	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Malcolmia orsiniana</i> (Ten.) Ten. ssp. <i>angustifolia</i> (Boiss. et Orph.) Stork	Brassicaceae	H	ILBA-end		10	
<i>Malus pumila</i> Mill.	Rosaceae	P	CUAD		16, 27*, 29, 37*, 44, 46, 61, 64, 66*, 69, 70	V&al-2019 as <i>M. domestica</i> Borkh.
<i>Malus sylvestris</i> (L.) Mill.	Rosaceae	P	CEU		Significant Landscape of Sutina	V&al-2019
<i>Malva neglecta</i> Wallr.	Malvaceae	T	WISP		23, 50	
<i>Malva nicaeensis</i> All.	Malvaceae	H	ME-circ		49	
<i>Malva pusilla</i> Sm.	Malvaceae	T	EUAS		Vrlika	Ma-1964
<i>Malva sylvestris</i> L.	Malvaceae	H	WISP		1, 3, 5, 13, 14, 15, 17, 20, 21, 23, 25, 27, 28, 37, 43, 50, 65, 66	V&al-2019
<i>Marrubium incanum</i> Desr.	Lamiaceae	H	ME-ilape		1, 2, 3, 5, 7, 13, 15, 16, 17, 18, 20, 21, 22, 23, 25, 26, 27, 29, 30, 40, 43, 45, 48, 49, 51, 54, 58, 59, 61, 66, 70	Tr-1992; V&al-2019
<i>Marrubium vulgare</i> L.	Lamiaceae	H	WISP		1, 5, 6, 8, 13, 21, 27, 49, 50, 54, 66	
<i>Matthiola fruticulosa</i> (L.) Maire	Brassicaceae	Ch	SEU-me		41, 51	Se&al-2016
<i>Medicago arabica</i> (L.) Huds.	Fabaceae	T	WISP		14, 16, 69	
<i>Medicago falcata</i> L.	Fabaceae	H	EUAS		14, 25, 28, 46, 53, 65, 66	V&al-2019
<i>Medicago lupulina</i> L.	Fabaceae	T	WISP		1, 3, 9, 11, 14, 16, 17, 20, 21, 23, 26, 28, 39, 40, 42, 45, 46, 53, 55, 60, 63, 65, 69, 70	Ma-1964, 1992; V&al-2019
<i>Medicago minima</i> (L.) Bartal.	Fabaceae	T	WISP		1, 11, 16, 17, 20, 23, 25, 31, 37, 42, 49	V&al-2019
<i>Medicago orbicularis</i> (L.) Bartal.	Fabaceae	T	ME-circ		5	
<i>Medicago polymorpha</i> L.	Fabaceae	T	SEU-me		14	Ma-1964
<i>Medicago prostrata</i> Jacq.	Fabaceae	H	SEU-me		1, 2, 8, 17, 22, 23, 25, 26, 27, 29, 30, 31, 32, 34, 43, 44, 45, 47, 48, 51, 56, 58, 59, 60, 61, 62, 69, 70	Tr-1992; LRS-1989; V&al-2019
<i>Medicago rigidula</i> (L.) All.	Fabaceae	T	ME-po		20, 23, 26, 37, 43	V&al-2019
<i>Medicago sativa</i> L. ssp. <i>sativa</i>	Fabaceae	H	WISP		1, 3, 4, 13, 14, 15, 16, 17, 21, 22, 23, 25, 27, 32, 37, 38, 42, 43, 46, 48, 50, 53, 54, 61, 65, 69, 70	V&al-2019 as <i>M. sativa</i> L.
<i>Medicago truncatula</i> Gaertn.	Fabaceae	T	ME-circ		16, 23	
<i>Melampyrum arvense</i> L.	Scrophulariaceae	T	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Melampyrum barbatum</i> Waldst. et Kit. ssp. <i>carstiense</i> Ronniger	Scrophulariaceae	T	ME-ilape		17, 49, 70	
<i>Melampyrum cristatum</i> L.	Scrophulariaceae	T	EUAS		18, 25, 65	Vi-1847:178
<i>Melampyrum nemorosum</i> L.	Scrophulariaceae	T	EUAS		14	Vi-1847:177
<i>Melia azedarach</i> L.	Meliaceae	P	CUAD		25	
<i>Melica ciliata</i> L. ssp. <i>ciliata</i>	Poaceae	H	EUAS	LC	1, 3, 5, 6, 9, 11, 13, 14, 17, 21, 22, 23, 25, 26, 27, 31, 32, 34, 38, 40, 43, 48, 50, 53, 55, 56, 58, 65	LRS-1989 as <i>M. nebrodensis</i> Parl.; V&al-2019 as <i>M. ciliata</i> L.
<i>Melica nutans</i> L.	Poaceae	H	EURO		14, 32, 35, 38	
<i>Melica uniflora</i> Retz.	Poaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Melilotus albus</i> Medik	Fabaceae	T	EUAS		13, 46, 58, 59, 65, 66, 69, 70	V&al-2019
<i>Melilotus altissimus</i> Thuill.	Fabaceae	G	EUAS		69	
<i>Melilotus officinalis</i> (L.) Lam.	Fabaceae	H	ME-east		1, 3, 4, 13, 14, 17, 20, 22, 23, 35, 38, 40, 45, 46, 53, 55, 59, 61, 62, 66, 69	V&al-2019
<i>Melissa officinalis</i> L.	Lamiaceae	H	SEU-me		3, 13, 14, 16, 20, 21, 25, 27, 28, 30, 37, 42	Vi-1847:201; V&al-2019
<i>Melittis melissophyllum</i> L.	Lamiaceae	H	EURO		32, 36, 41	Vi-1847:212; V&al-2019
<i>Mentha aquatica</i> L.	Lamiaceae	Hy	WISP		22	
<i>Mentha longifolia</i> (L.) Huds.	Lamiaceae	H	WISP		3, 4, 5, 13, 14, 15, 16, 17, 18, 23, 24, 27, 28, 37, 42, 48, 50, 51, 58, 65, 68, 69	V&al-2019
<i>Mentha pulegium</i> L.	Lamiaceae	H	EUAS		22	
<i>Mentha spicata</i> L.	Lamiaceae	H	WISP		42	
<i>Mentha suaveolens</i> Ehrh.	Lamiaceae	H	ME-circ		18	
<i>Mentha x piperita</i> L.	Lamiaceae	H	CUAD		66, 66	
<i>Mercurialis annua</i> L.	Euphorbiaceae	T	WISP		1, 3, 4, 14, 37, 68	V&al-2019
<i>Mercurialis ovata</i> Sternb. et Hoppe	Euphorbiaceae	G	SEU-po		11, 12, 30, 65	L&al-1987; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Mercurialis perennis</i> L.	Euphorbiaceae	G	EURO		11, 34, 36, 41, 52, 65	
<i>Micromeria juliana</i> (L.) Benth. ex Rchb.	Lamiaceae	Ch	ME-circ		14, 18, 37, 42, 43	M&K-2016; V&al-2019
<i>Minuartia capillacea</i> (All.) Graebn.	Caryophyllaceae	Ch	ILBA-end		31	L&al-1987; LRS-1989
<i>Minuartia graminifolia</i> (Ard.) Jav. ssp. <i>clandestina</i> (Port.) Mattf.	Caryophyllaceae	Ch	ILBA-end		Svilaja mountain range	L&R-1989 as <i>M. clandestina</i> Port.
<i>Minuartia mediterranea</i> (Link.) K. Malý	Caryophyllaceae	T	ME-circ		14	
<i>Minuartia verna</i> (L.) Hiern ssp. <i>verna</i>	Caryophyllaceae	Ch	ME-east		13	
<i>Mirabilis jalapa</i> L.	Nyctaginaceae	G	CUAD		22, 27	
<i>Misopates orontium</i> (L.) Raf.	Scrophulariaceae	T	EUAS		4, 13, 24, 28, 49, 66, 68	
<i>Moehringia muscosa</i> L.	Caryophyllaceae	H	SEU-mo		10, 11, 32, 34, 35, 36, 39, 40	V&al-2019
<i>Moehringia trinervia</i> (L.) Clairv.	Caryophyllaceae	T	EUAS		10, 14, 32	
<i>Moenchia mantica</i> (L.) Bartl.	Caryophyllaceae	T	SEU-me		13, 65	
<i>Monotropa hypopitys</i> L.	Pyrolaceae	G	WISP		Significant Landscape of Sutina	V&al-2019
<i>Morus alba</i> L.	Moraceae	P	CUAD		1, 16, 20, 21, 22, 23, 24, 25, 28, 30*, 31, 37, 42, 43*, 59, 69, 70	
<i>Morus nigra</i> L.	Moraceae	P	CUAD		1, 23*, 70	
<i>Muscari botryoides</i> (L.) Mill.	Asparagaceae	G	SEU-me		5, 10, 11, 12, 30, 34, 36, 41, 44, 47, 51, 52, 53, 57, 61, 66, 67, 70	L&R-1989; LRS-1989; V&al-2019
<i>Muscari comosum</i> (L.) Mill.	Asparagaceae	G	SEU-me		6, 13, 14, 19, 20, 23, 37, 41, 42, 43, 44, 45, 46, 48, 51, 60, 62, 65, 70	V&al-2019
<i>Muscari neglectum</i> Guss. ex Ten.	Asparagaceae	G	SEU-me		2, 37, 60, 69	V&al-2019
<i>Myagrum perfoliatum</i> L.	Brassicaceae	T	EUAS		28	
<i>Mycelis muralis</i> (L.) Dumort.	Cichoriaceae	H	EUAS		11, 14, 32, 34, 38, 39, 40, 63, 65	V&al-2019
<i>Myosotis arvensis</i> (L.) Hill	Boraginaceae	T	EUAS		17, 25, 46, 55, 69, 70	V&al-2019
<i>Myosotis ramosissima</i> Rochel ssp. <i>ramosissima</i>	Boraginaceae	T	WISP	DD	37, 44	V&al-2019 as <i>M. ramosissima</i> Rochel
<i>Myosotis suaveolens</i> Willd.	Boraginaceae	H	EEUPO	end, sp	35	
<i>Myosotis sylvatica</i> Hoffm.	Boraginaceae	H	EUAS		32, 49	
<i>Myosoton aquaticum</i> (L.) Moench	Caryophyllaceae	H	EUAS		13, 37, 70	
<i>Myrrhoides nodosa</i> (L.) Cannon	Apiaceae	T	ME-circ		3, 16, 20, 25, 29, 37, 42	
<i>Narcissus radiiflorus</i> Salisb.	Amaryllidaceae	G	SEU-me		10, 33, 34, 41, 57	Vi-1842:127 as <i>N. poeticus</i> L.; L&R-1989 as <i>N. angustifolius</i> Curt.; M&al-2013; V&al-2019
<i>Neottia nidus-avis</i> (L.) Rich.	Orchidaceae	G	EUAS	sp	14	Kr-2005:136; Df-2006; V&al-2019
<i>Nepeta cataria</i> L.	Lamiaceae	H	WISP		14, 21, 59	
<i>Nerium oleander</i> L.	Apocynaceae	P	CUAD		1	
<i>Nigella arvensis</i> L.	Ranunculaceae	T	ME-east		4	
<i>Nigella damascena</i> L.	Ranunculaceae	T	ME-circ		3, 5, 23, 25, 43	
<i>Odontites lutea</i> (L.) Clairv	Scrophulariaceae	T	SEU-me		8, 17, 18, 19, 22, 31, 48	
<i>Odontites vulgaris</i> Moench	Scrophulariaceae	T	SEU-me		4, 22	V&al-2019
<i>Oenanthe pimpinelloides</i> L.	Apiaceae	H	ME-atl		22, 23, 46	V&al-2019
<i>Oenanthe silaifolia</i> M. Bieb.	Apiaceae	H	SEU-po		28	
<i>Oenothera speciosa</i> Nuttall*	Onagraceae	H	CUAD		1	
<i>Olea europaea</i> L.	Oleaceae	P	CUAD		1, 3, 22*, 25, 43	
<i>Onobrychis alba</i> (Waldst. et Kit.) Desv. ssp. <i>alba</i>	Fabaceae	H	ME-circ		16, 59	
<i>Onobrychis arenaria</i> (Kit.) DC. ssp. <i>arenaria</i>	Fabaceae	H	EUAS		46	
<i>Onobrychis arenaria</i> (Kit.) DC. ssp. <i>tommassinii</i> (Jord.) Asch. et Graebn	Fabaceae	H	ME-ilade	end, sp	8, 16, 47, 62	V&al-2019
<i>Onobrychis vicifolia</i> Scop.	Fabaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Ononis antiquorum</i> (L.) Arcang.	Fabaceae	Ch	ME-circ		7, 8, 13, 15, 22, 23, 26, 28, 32, 38, 39, 40, 43, 45, 46, 47*, 51, 53, 54, 55, 58, 59, 60?, 62, 64?, 65, 69?	
<i>Ononis pusilla</i> L.	Fabaceae	H	SEU-me		21, 26, 43	Tr-1992



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Ononis spinosa</i> L.	Fabaceae	H	EURO		15, 22, 23, 28, 35, 47?, 50, 57, 60?, 61, 64?, 69?	V&al-2019
<i>Onopordum acanthium</i> L. ssp. <i>acanthium</i>	Asteraceae	H	EUAS		14, 17, 20, 29, 45, 59	
<i>Onopordum illyricum</i> L.	Asteraceae	H	ME-circ		1, 2, 3, 5, 6, 21, 23, 25, 27, 43	
<i>Onosma echioides</i> (L.) L. ssp. <i>dalmatica</i> (Scheele) Peruzzi et N. G. Passal	Boraginaceae	Ch	ME-ilade	end, sp	58, 61	Tr-1992 as <i>O. javorkae</i> Simk.; V&al-2019
<i>Onosma stellulata</i> Waldst. et Kit.	Boraginaceae	Ch	ME-ilade	end, sp	41, 64, 69	Ja-1908; V&al-2019
<i>Onosma visianii</i> Clementi	Boraginaceae	H	ILBA-end		57, 62	
<i>Ophrys apifera</i> Huds.	Orchidaceae	G	SEU-me	EN, sp	16, 62	Kr-2005:144; Df-2006; V&al-2019
<i>Ophrys bertolonii</i> Moretti	Orchidaceae	G	ILBA-bap	VU, sp	Svilaja, Gradina	Kr-2005:162
<i>Ophrys dinarica</i> Kranjčev et P. Delforge	Orchidaceae	G	ME-ilade	end, sp	60	Kr-2005:204; Df-2006
<i>Ophrys fuciflora</i> (F.W.Schmidt) Moench	Orchidaceae	G	SEU-me	VU, sp	51, 61, 62	V&al-2019
<i>Ophrys liburnica</i> Devillers et Devillers-Tersch.	Orchidaceae	G	ME-ilade	end, sp	site 269 (XJ2650) 2,6 km N Potravlje, 320 m	Df-2006
<i>Ophrys rhodostephane</i> Devillers et Devillers-Tersch.	Orchidaceae	G	ME-ilade	end, sp	site 249 (XJ1261), 1 km S Vrlika, 320 m	Df-2006
<i>Ophrys scolopax</i> Cav.	Orchidaceae	G	ME-circ	DD, sp	Muč Gornji	Kr-2005:276
<i>Ophrys scolopax</i> Cav. ssp. <i>cornuta</i> (Steven) E. G. Camus	Orchidaceae	G	ME-po	DD, sp	14, 17	Kr-2005:188 as <i>O. cornuta</i> Steven; V&al-2019
<i>Ophrys sphegodes</i> Mill.	Orchidaceae	G	ME-circ	VU, sp	42	Kr-2005:284
<i>Ophrys sphegodes</i> Mill. ssp. <i>atrata</i> (Rchb.f.) A. Bolòs	Orchidaceae	G	SEU-me	sp	Significant Landscape of Sutina	V&al-2019
<i>Ophrys sphegodes</i> Mill. ssp. <i>tommasinii</i> (Vis.) Soó	Orchidaceae	G	ME-ilade	end, sp	37, 69	
<i>Ophrys tetraloniae</i> W.P. Teschner	Orchidaceae	G	ME-ilade	end, DD, sp	62	Kr-2005:296; Df-2006
<i>Ophrys untchjii</i> (M. Schulze) P. Delforge	Orchidaceae	G	ME-ilade	end, sp	site 260 (XJ1938) N Cimetière de Gornji Muč, 4560-470 m; site 269 (XJ2650) 2,6 km N Potravlje, 320 m;	Df-2006
<i>Ophrys x kranjcevi</i> P. Delforge ( <i>O. dinarica</i> x <i>O. untchjii</i> )	Orchidaceae	G	ME-ilade	end, sp	site 278 (XJ3742) Karakašica, 270-300 m	Df-2006
<i>Oppanax chironium</i> (L.) Koch	Apiaceae	H	ME-circ		2, 21	V&al-2019
<i>Orchis coriophora</i> L. ssp. <i>coriophora</i>	Orchidaceae	G	SEU-me	VU, sp	46	Pe-1832:90, Kr-2005:310, Df-2006 and V&al-2019 as <i>O. coriophora</i> L.
<i>Orchis coriophora</i> L. ssp. <i>fragrans</i> (Pollini) K. Richt.	Orchidaceae	G	ME-po	VU, sp	17, 45, 56	Vi-1842:170; Kr-2005:314 as <i>O. fragrans</i> Pollini
<i>Orchis laxiflora</i> Lam. ssp. <i>laxiflora</i>	Orchidaceae	G	ME-atl	NT, sp	16, 28	Kr-2005:320 and Df-2006 as <i>O. laxiflora</i> Lam.
<i>Orchis mascula</i> (L.) L.	Orchidaceae	G	ME-atl	NT, sp	Sutina-Bukovik, Mučko Zelovo	Kr-2005:324; Df-2006
<i>Orchis militaris</i> L.	Orchidaceae	G	EUAS	VU, sp	32	Vi-1842:169 as <i>O. variegata</i> All.; Kr-2005:326; Df-2006
<i>Orchis morio</i> L.	Orchidaceae	G	EUAS	NT, sp	7, 8, 13, 14, 18, 32, 41, 42, 51, 52, 57, 61, 67	Kr-2005:328; Df-2006; V&al-2019
<i>Orchis morio</i> L. ssp. <i>picta</i> (Loisel.) K. Richt.	Orchidaceae	G	SEU-me	sp	29, 30, 37, 44, 47, 60, 70	Kr-2005:344 as <i>O. picta</i> Loiseleur
<i>Orchis provincialis</i> Balb. ssp. <i>pauciflora</i> (Ten.) Camus	Orchidaceae	G	ME-circ	VU, sp	6, 8, 30, 41, 52	Kr-2005:342 as <i>O. pauciflora</i> Tenore; V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Orchis purpurea</i> Huds.	Orchidaceae	G	EUAS	VU, sp	37, 42, 45, 47, 60, 61, 69, 70	Kr-2005:348; V&al-2019
<i>Orchis quadripunctata</i> Cirillo ex Ten.	Orchidaceae	G	ME-east	VU, sp	Svilaja, Bilopolje	Kr-2005:352
<i>Orchis simia</i> Lam.	Orchidaceae	G	ME-circ	VU, sp	Muč	Kr-2005:354
<i>Orchis tridentata</i> Scop. ssp. <i>tridentata</i>	Orchidaceae	G	ME-circ	VU, sp	8, 13, 42, 51, 52, 69	Vi-1842:169 as <i>O. variegata</i> All.; Kr-2005:358, Df-2006 and V&al-2019 as <i>O. tridentata</i> Scop.
<i>Origanum vulgare</i> L.	Lamiaceae	H	EUAS		4, 5, 11, 13, 15, 19, 32, 35, 38, 67, 70	V&al-2019
<i>Orlaya grandiflora</i> (L.) Hoffm	Apiaceae	T	SEU-me		1, 3, 5, 6, 9, 13, 16, 17, 18, 19, 21, 23, 25, 43, 46	V&al-2019
<i>Ornithogalum comosum</i> L.	Asparagaceae	G	SEEU		8, 11?, 17, 23, 37, 41, 42, 45, 47, 52, 56, 58	Vi-1842:146; V&al-2019
<i>Ornithogalum gussonei</i> Ten.	Asparagaceae	G	ME-circ		Svilaja mountain range; above the village of Muć	L&R-1989; Tr-1992
<i>Ornithogalum pyramidale</i> L.	Asparagaceae	G	SEU-me		Significant Landscape of Sutina	V&al-2019
<i>Ornithogalum narbonense</i> L.	Asparagaceae	G	SEU-me		20, 31	VRZ-2012
<i>Ornithogalum refractum</i> Kit. ex Schltr.	Asparagaceae	G	SEU-me		Significant Landscape of Sutina	VRZ-2013
<i>Ornithogalum sibthorpii</i> Greuter	Asparagaceae	G	SEEU		2, 8, 43, 47	
<i>Ornithogalum umbellatum</i> L.	Asparagaceae	G	SEU-me		Significant Landscape of Sutina	V&al-2019
<i>Orobanche alba</i> Willd.	Orobanchaceae	G	EUAS		Significant Landscape of Sutina	V&al-2020
<i>Orobanche gracilis</i> Sm.	Orobanchaceae	G	SEU-me		11	V&al-2019
<i>Orobanche minor</i> Sm.	Orobanchaceae	T	SEU-me		31, 34, 41	Tr-1992; VRZ-2012; V&al-2019
<i>Orthilia secunda</i> (L.) House	Pyrolaceae	Ch	CIHO		58 (x=4844918, y=6382266)	Se-2016
<i>Ostrya carpinifolia</i> Scop.	Corylaceae	P	ME-ilseu		1, 9, 10, 11, 14, 17, 18, 19, 21, 30, 31, 32, 34, 36, 38, 39, 40, 41, 42, 44, 46, 48, 51, 56, 57, 58, 59, 64, 66, 69	Ja-1908; Je-1952; Me-1972; L&al-1987 as <i>O. c. ssp. corsica</i> Rouy; VRZ-2012; Mi&al-2013; V&al-2019
<i>Oxalis articulata</i> Savigny	Oxalidaceae	G	CUAD		1, 37	
<i>Oxalis corniculata</i> L.	Oxalidaceae	H	WISP		14, 27	
<i>Oxalis dilleanii</i> Jacq.	Oxalidaceae	H	CUAD		4	
<i>Oxytropis dinarica</i> (Murb.) Wettst.	Fabaceae	H	ILBA-end	end, sp	33	LRS-1989 as <i>O. campestris</i> (L.) DC. ssp. <i>dinarica</i> Murb.
<i>Paliurus spina-christi</i> Mill.	Rhamnaceae	P	ME-ilseu		1, 2, 3, 4, 5, 21, 22, 23, 25, 28, 43, 46	L&al-1987; V&al-2019
<i>Panicum capillare</i> L.	Poaceae	T	CUAD	inv	11, 68	
<i>Papaver dubium</i> L.	Papaveraceae	T	WISP		"in herbis demissis montis Svilaja"	Vi-1852:99
<i>Papaver rhoeas</i> L.	Papaveraceae	T	WISP		1, 3, 14, 16, 17, 20, 23, 28, 37, 43, 45, 70	V&al-2019
<i>Papaver strigosum</i> (Boenn.) Schur	Papaveraceae	T	ME-east		14, 17, 24, 69	
<i>Parietaria judaica</i> L.	Urticaceae	H	SEU-me		1, 3, 4, 14, 16, 23, 27, 30, 42, 46, 69	M&K-2016; V&al-2019
<i>Parietaria officinalis</i> L.	Urticaceae	H	SEU-me		14, 69	
<i>Paronychia kapela</i> (Hacq.) A. Kerner	Caryophyllaceae	H	SEU-me		2, 6, 8, 9, 10, 11, 17, 26, 31, 33, 34, 38, 39, 40, 41, 48, 50, 51, 52, 53, 54, 55, 57, 58, 61, 62, 65, 69	L&R-1989; VRZ-2012; Se&al-2016; V&al-2019
<i>Parthenocissus quinquefolia</i> (L.) Planchon	Vitaceae	P	CUAD	inv	1*, 4, 14, 22, 29, 43*, 59	
<i>Pastinaca sativa</i> L. ssp. <i>urens</i> (Req. ex Godr.) Čelak.	Apiaceae	H	EUAS		59, 59	Vi-1852:53 as <i>P. sativa</i> L. <i>β opaca</i>
<i>Paulownia tomentosa</i> (Thunb.) Steud.	Scrophulariaceae	P	CUAD	inv	1, 16*, 22*	
<i>Pedicularis brachyodonta</i> Schloss. et Vuk.	Scrophulariaceae	H	ILBA-end	end, sp	Svilaja mountain range	LRS-1989
<i>Pedicularis comosa</i> L.	Scrophulariaceae	H	SEU-mo	LC	Veliki vrh and Debelo brdo	Ja-1908
<i>Pedicularis friderici-augusti</i> Tomm.	Scrophulariaceae	H	SEU-mo	DD, sp	33	Vi-1847:176

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Peltaria alliacea</i> Jacq.	Brassicaceae	H	ME-ilseu	end, NT, sp	10, 32, 33, 35, 39, 40, 41, 47, 52	Ja-1908
<i>Petrorhagia prolifera</i> (L.) P. W. Ball ex Heywood	Caryophyllaceae	T	EUAS		1, 3, 7, 8, 13, 14, 19, 21, 25, 27, 28, 35, 43, 46, 48, 49, 55, 58	V&al-2019
<i>Petrorhagia saxifraga</i> (L.) Link	Caryophyllaceae	H	SEU-me		1, 3, 4, 5, 6, 7, 8, 11, 13, 15, 17, 18, 19, 21, 22, 23, 25, 26, 27, 29, 31, 35, 37, 40, 42, 43, 45, 46, 48, 49, 50, 53, 54, 55, 58, 59, 65, 66, 70	Tr-1992; VRZ-2012; V&al-2019
<i>Petteria ramentacea</i> (Sieber) C. Presl	Fabaceae	P	ME-ilade		on the southern dolomite slopes of Svilaja towards Muć	L&al-1987
<i>Peucedanum carvifolia</i> Vill.	Apiaceae	H	SEU-po		22, 70	
<i>Peucedanum cervaria</i> (L.) Lapeyr	Apiaceae	H	SEU-me		19, 31	
<i>Peucedanum coriaceum</i> Rchb.	Apiaceae	H	ME-ilade	end, DD, sp	22	Vi-1852:51 as <i>P. petteri</i> Vis.
<i>Peucedanum longifolium</i> Waldst. et Kit.	Apiaceae	H	ILBA-end		"in rupestribus montium Svilaja"	Vi-1852:51
<i>Peucedanum oreoselinum</i> (L.) Moench	Apiaceae	H	EURO		15, 64, 69, 70	Vi-1852:52; V&al-2019
<i>Phleum pratense</i> L. ssp. <i>bertolonii</i> (DC.) Bormm.	Poaceae	H	EUAS		13, 17, 22, 24, 25, 28, 43	V&al-2019
<i>Phleum subulatum</i> (Savi) Asch. et Graebn.	Poaceae	T	ME-circ		3, 4, 5, 23	
<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	Poaceae	G	WISP		28, 70	
<i>Physalis alkekengi</i> L.	Solanaceae	H	EUAS		18, 70	
<i>Physospermum verticillatum</i> (Waldst. et Kit.) Vis.	Apiaceae	H	ME-circ		"in rupestribus elatioribus et sylvaticis montis Promina et Svilaja"	Vi-1852:69 as <i>Alschingera verticillata</i> Vis.
<i>Phyteuma orbiculare</i> L.	Campulaceae	H	EUAS		33, 34	V&al-2019
<i>Picnomon acarna</i> (L.) Cass.	Asteraceae	H	ME-circ		6, 21, 23, 25, 27, 30, 43	
<i>Picris echinoides</i> L.	Cichoriaceae	T	ME-circ		1, 4, 22, 68	V&al-2019
<i>Picris hieracioides</i> L. ssp. <i>hieracioides</i>	Cichoriaceae	H	EUAS		4, 8, 13, 14, 15, 18, 19, 26, 27, 32, 34, 35, 40, 45, 55, 59, 61, 63, 65	V&al-2019 as <i>P. hieracioides</i> L.
<i>Picris hieracioides</i> L. ssp. <i>spinulosa</i> (Bertol. ex Guss.) Arcang.	Cichoriaceae	H	SEU-me		1, 4, 15, 22, 25, 43, 46, 47, 48, 60	
<i>Picris hispidissima</i> (Bartl.) Koch	Cichoriaceae	H	ME-ilade		6, 23, 38, 55, 58, 62	V&al-2019
<i>Pimpinella saxifraga</i> L.	Apiaceae	H	EUAS		7, 13, 15, 23	V&al-2019
<i>Pinus nigra</i> Arnold.	Pinaceae	P	SEU-me		1, 6, 7, 8, 9, 28, 37, 39, 41, 43, 44, 45, 46, 47, 50*, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 62, 64, 66, 69	A-1929:48; Je-1952; L&al-1987 as <i>P. n. var intermedia</i> H-ić; V&al-2019
<i>Pinus pinaster</i> Aiton	Pinaceae	P	ME-atl		37, 64	Me-1972
<i>Piptatherum miliaceum</i> (L.) Coss.	Poaceae	H	ME-circ		35	
<i>Pistacia lentiscus</i> L.	Anacardiaceae	P	ME-circ		Significant Landscape of Sutina	V&al-2019
<i>Pistacia terebinthus</i> L.	Anacardiaceae	P	ME-circ		14	M&K-2016
<i>Plantago altissima</i> L.	Plantaginaceae	H	SEU-me		3, 4, 5, 14, 15, 16, 17, 20, 27, 28, 36, 37, 42, 43, 46, 58, 60, 65, 70	
<i>Plantago argentea</i> Chaix	Plantaginaceae	H	SEU-mo		32, 34, 51, 52, 53, 58, 59	Vi-1847:3; LRS-1989
<i>Plantago holosteum</i> Scop.	Plantaginaceae	H	ME-circ	LC	6, 7, 8, 9, 11, 13, 23, 26, 31, 33, 34, 35, 38, 39, 40, 43, 47, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62, 64, 65, 69	Je-1952; Tr-1992 as <i>P. h. Scop. ssp. holosteum</i> and <i>P. h. Scop. ssp. depauperata</i> (Godr.) H-ić; VRZ-2012; V&al-2019
<i>Plantago lanceolata</i> L.	Plantaginaceae	H	WISP		1, 2, 3, 4, 10, 13, 14, 15, 17, 18, 19, 27, 29, 31, 36, 45, 47, 48, 50, 51, 57, 59, 60, 61, 66, 68	Ma-1964,1992; V&al-2019
<i>Plantago major</i> L. ssp. <i>intermedia</i> (Gilib.) Lange	Plantaginaceae	H	WISP		2, 11, 14, 15, 16, 17, 19, 20, 22, 23, 27, 28, 35, 36, 37, 38, 48, 51, 59, 63, 66, 69, 70	Ma-1964
<i>Plantago major</i> L. ssp. <i>major</i>	Plantaginaceae	H	WISP		4, 7	V&al-2019 as <i>P. major</i> L.

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Plantago media</i> L.	Plantaginaceae	H	EUAS		2, 7, 8, 10, 11, 15, 16, 17, 18, 19, 21, 26, 27, 31, 34, 37, 42, 44, 45, 46, 47, 48, 50, 58, 60, 61, 62, 64, 65, 66, 67, 69, 70	Je-1952; V&al-2019
<i>Platanthera bifolia</i> (L.) Rich.	Orchidaceae	G	EUAS	VU, sp	Muč; plateau of Svilaja	Kr-2005:364; Df-2006; Se-2016
<i>Platanthera chlorantha</i> (Custer) Rchb.	Orchidaceae	G	EUAS	NT, sp	51, 67	Kr-2005:366; Df-2006
<i>Platanus x acerifolia</i> (Aiton) Willd.	Platanaceae	P	CUAD		14, 22*	
<i>Plumbago europaea</i> L.	Plumbaginaceae	Ch	ME-circ		1, 3, 21, 23, 25, 27	
<i>Poa annua</i> L.	Poaceae	T	WISP	LC	2, 16, 61, 69	Ma-1964; V&al-2019
<i>Poa bulbosa</i> L.	Poaceae	H	EUAS		2, 8, 9, 11, 17, 20, 29, 30, 32, 35, 36, 37, 38, 39, 40, 42, 44, 47, 55, 58, 61, 69, 70	V&al-2019
<i>Poa compressa</i> L.	Poaceae	H	WISP		11, 25, 27, 35, 55	Vi-1842:80
<i>Poa nemoralis</i> L.	Poaceae	H	CIHO		11, 37	
<i>Poa pratensis</i> L.	Poaceae	H	WISP		11, 32, 36, 37, 61, 63	
<i>Poa trivialis</i> L. ssp. <i>sylyicola</i> (Guss.) H.Lindb.	Poaceae	H	ME-eu	LC	14, 28, 29, 37, 44, 46, 47, 48, 60, 63, 64, 69	Ma-1992 as <i>P. sylyicola</i> Guss.
<i>Poa trivialis</i> L. ssp. <i>trivialis</i>	Poaceae	H	EUAS		70	
<i>Polycnemum arvense</i> L.	Chenopodiaceae	T	EUAS	DD, sp	65	
<i>Polygala nicaeensis</i> Risso ex Koch ssp. <i>mediterranea</i> Chodat	Polygalaceae	H	ME-circ		2, 24, 25, 26, 29, 57, 61, 62, 70	V&al-2019
<i>Polygala vulgaris</i> L.	Polygalaceae	H	EUAS		12, 13, 14, 29, 37, 44, 47, 60, 64, 67, 69	
<i>Polygonatum latifolium</i> (Jacq.) Desf	Asparagaceae	G	EEUPO	VU, sp	32	Vi-1842:163 as <i>Convallaria latifolia</i> Jacq.
<i>Polygonatum multiflorum</i> (L.) All	Asparagaceae	G	CIHO		40, 32	Vi-1842:163 as <i>Convallaria multiflora</i> L.
<i>Polygonatum odoratum</i> (Mill.) Druce	Asparagaceae	G	EUAS		36, 40, 41, 52	Vi-1842:162 as <i>Convallaria polygonatum</i> L.
<i>Polygonum arenastrum</i> Boreau	Polygonaceae	T	WISP		4, 13, 14, 15, 27, 49, 50	
<i>Polygonum aviculare</i> L.	Polygonaceae	T	WISP		3, 4, 5, 6, 8, 11, 13, 15, 16, 24, 27, 49, 50, 59, 66	Ma-1964
<i>Polygonum lapathifolium</i> L.	Polygonaceae	T	WISP		14, 22	
<i>Polygonum persicaria</i> L.	Polygonaceae	T	WISP		4, 16, 28, 49	
<i>Polypodium cambricum</i> L.	Polypodiaceae	H	SEU-me		14, 31	VRZ-2012; V&al-2019
<i>Polypodium vulgare</i> L.	Polypodiaceae	H	WISP		"in umbrosis Svilaja"	Vi-1842:36
<i>Populus alba</i> L.	Salicaceae	P	EUAS		43	Pe-1832; Vi-1842:214; L&al-1987
<i>Populus nigra</i> L.	Salicaceae	P	EUAS		1, 4, 5, 14, 15, 16, 28, 32, 43, 44, 46, 47, 61, 70	V&al-2019
<i>Populus tremula</i> L.	Salicaceae	P	EUAS		14, 32, 34, 35, 41, 42, 66	Vi-1842:214; V&al-2019
<i>Portulaca oleracea</i> L.	Portulacaceae	T	WISP		1, 3, 4, 5, 14, 15, 22, 27, 49, 50, 65, 68	
<i>Potamogeton natans</i> L.	Potamogetonaceae	Hy	WISP		22, 48	
<i>Potentilla argentea</i> L.	Rosaceae	H	WISP		13, 37	Tr-1992
<i>Potentilla australis</i> Krašan	Rosaceae	H	ME-ilade		2, 6, 10, 11, 12, 30, 36, 39, 41, 44, 50, 51, 52, 56, 57, 61, 62, 64, 67, 69	V&al-2019
<i>Potentilla cinerea</i> Chaix ex Vill.	Rosaceae	H	EURO		32, 35	Vi-1852:252 as <i>P. subacaulis</i> L.
<i>Potentilla detommasii</i> Ten.	Rosaceae	H	SEEU		25, 40	
<i>Potentilla erecta</i> (L.) Raeschel	Rosaceae	H	EUAS		61, 63	Je-1952
<i>Potentilla hirta</i> L.	Rosaceae	H	SEU-me		1, 2, 17, 26, 29	V&al-2019
<i>Potentilla micrantha</i> Ramond ex DC.	Rosaceae	H	SEU-po		10, 12, 36	V&al-2019
<i>Potentilla recta</i> L.	Rosaceae	H	EUAS		5, 17, 25, 29, 59, 61	
<i>Potentilla reptans</i> L.	Rosaceae	H	WISP		1, 2, 5, 13, 14, 16, 17, 20, 22, 27, 28, 43, 44, 45, 46, 50, 61, 70	V&al-2019
<i>Prenanthes purpurea</i> L.	Cichoriaceae	H	CEU		Significant Landscape of Sutina	V&al-2019
<i>Primula veris</i> L. ssp. <i>columnae</i> (Ten.) Lüdi	Primulaceae	H	SEU-mo	NT	10, 11, 27, 32, 34, 36, 40, 41, 53, 66, 67	V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Primula vulgaris</i> Huds.	Primulaceae	H	SEU-atl		14, 19, 42, 63, 65	Je-1952; V&al-2019
<i>Prunella laciniata</i> (L.) L.	Lamiaceae	H	SEU-me		8, 25, 27, 32, 34, 35, 38, 39, 40, 65	V&al-2019
<i>Prunella vulgaris</i> L.	Lamiaceae	H	WISP		19, 46, 59	V&al-2019
<i>Prunus avium</i> L.	Rosaceae	P	CUAD		1*, 3*, 13, 14, 16*, 20, 21, 23, 25, 27, 28, 30, 37, 42, 43*, 45, 46*, 47, 48, 49, 50, 55, 59, 65, 66*, 69*, 70	V&al-2019
<i>Prunus cerasifera</i> Ehrh.	Rosaceae	P	CUAD		1, 4, 14, 15, 17, 21, 27, 30, 37*, 42, 43, 50, 55, 65, 69*	
<i>Prunus cerasus</i> L.	Rosaceae	P	CUAD		1*, 3*, 4*, 16*, 21*, 23*, 27*, 28, 37*, 46*, 66*, 69, 70*	
<i>Prunus domestica</i> L.	Rosaceae	P	CUAD		1, 11, 13*, 14, 16, 20, 21, 23, 28, 29, 37*, 42, 43*, 44, 47, 49*, 58, 61*, 65, 66*, 69*, 70	
<i>Prunus dulcis</i> (Mill.) D. A. Webb.	Rosaceae	P	CUAD		1, 4, 5, 14, 23, 25, 27, 43*, 49*, 70	
<i>Prunus mahaleb</i> L.	Rosaceae	P	SEU-me		1, 3, 4, 5, 6, 8, 9, 11, 13, 21, 23, 25, 26, 27, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62, 64, 65	Je-1952; L&al-1987 as <i>Cerasus cupaniana</i> (Ten.) M.G.; VRZ-2012; Se&al-2016; V&al-2019
<i>Prunus persica</i> (L.) Batsch	Rosaceae	P	CUAD		3*, 43*, 65	
<i>Prunus spinosa</i> L.	Rosaceae	P	EUAS		2, 4, 5, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 26, 27, 28, 29, 34, 39, 41, 42, 43, 44, 45, 46, 47, 48, 50, 54, 55, 58, 59, 61, 62, 64, 65, 69, 70	L&al-1987; V&al-2019
<i>Pseudolysimachion barrelieri</i> (Schott ex Roem. et Schult.) Holub	Scrophulariaceae	H	SEEU		6, 7, 8, 10, 17, 19, 26, 34, 39, 40, 48, 51, 53, 55, 57, 58, 67	V&al-2019
<i>Pteridium aquilinum</i> (L.) Kuhn ssp. <i>aquilinum</i>	Hypolepidaceae	G	WISP		37, 40, 65, 70	Je-1952; L&al-1987 as <i>P. tauricum</i> Grossh.; V&al-2019
<i>Pulicaria dysenterica</i> (L.) Bernh.	Asteraceae	H	SEU-me		4, 22	Vi-1847:65
<i>Pulmonaria angustifolia</i> L.	Boraginaceae	H	SEU-po		10, 11	
<i>Pulsatilla grandis</i> Wender.	Ranunculaceae	H	EEUPO	LC, sp	10, 12, 41, 53, 67	M&al-2013; Se-2016; V&al-2019
<i>Punica granatum</i> L.	Punicaceae	P	CUAD		1, 22*, 37*, 43*, 49*, 70	
<i>Pyracantha coccinea</i> M. J. Roemer	Rosaceae	P	CUAD		50	
<i>Pyrola minor</i> L.	Pyrolaceae	H	CIHO		Significant Landscape of Sutina	V&al-2019
<i>Pyrus amygdaliformis</i> Vill.	Rosaceae	P	SEU-me		1, 5, 6, 13, 21, 27, 44, 45, 47, 48, 49, 51, 55, 61	Je-1952; L&al-1987 as <i>P. spinosa</i> Forssk.; Se&al-2016; V&al-2019
<i>Pyrus communis</i> L.	Rosaceae	P	CUAD		1*, 3*, 20, 37*, 44, 66*, 69*, 70*	Vi-1852:244
<i>Pyrus pyrastrer</i> Burgsd.	Rosaceae	P	EUAS		7, 8, 11, 13, 16, 17, 31, 35, 36, 41, 43, 60	
<i>Quercus cerris</i> L.	Fagaceae	P	SEU-po		13, 14, 15, 16, 17, 18, 19, 20, 48, 61	Vi-1842:208; V&al-2019
<i>Quercus pubescens</i> Willd. (incl. <i>Quercus virgiliana</i> (Ten.) Ten.)	Fagaceae	P	SEU-po		1, 2, 3, 4, 5, 6, 17, 18, 19, 21, 23, 24, 25, 26, 27, 29, 30, 31, 36, 37, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 55, 57, 58, 59, 60, 61, 62, 64, 65, 66, 67, 70	Je-1952 i Me-1972 as <i>Q. lanuginosa</i> Thuill.; L&al-1987 as <i>Q. brachyphylla</i> Kotschy; VRZ-2012; V&al-2019
<i>Ranunculus acris</i> L.	Ranunculaceae	H	WISP		14, 28, 42, 46, 65, 70	V&al-2019
<i>Ranunculus arvensis</i> L.	Ranunculaceae	T	EURO		67	
<i>Ranunculus bulbosus</i> L.	Ranunculaceae	H	EUAS		11, 29, 30, 37, 47, 48, 58, 61, 65, 70	V&al-2019
<i>Ranunculus carinthiacus</i> Hoppe	Ranunculaceae	H	ME-circ		32, 35	Vi-1852:85 as <i>R. montanus</i> W. ■ <i>tenuifolius</i> ; Ja-1908
<i>Ranunculus ficaria</i> L. ssp. <i>calthifolius</i> (Rchb.) Arcang.	Ranunculaceae	G	SEU-me		2, 5, 6, 10, 11, 36, 41, 52, 53, 57, 66*, 67	V&al-2019 as <i>R. ficaria</i> L.
<i>Ranunculus illyricus</i> L.	Ranunculaceae	H	SEU-co		8, 11, 12, 13, 14, 29, 37, 51, 52, 57, 67	Se&al-2016
<i>Ranunculus lanuginosus</i> L.	Ranunculaceae	H	CEU		14, 63	
<i>Ranunculus millefoliatus</i> Vahl.	Ranunculaceae	H	SEU-me		2, 10, 11, 12, 29, 37, 44, 47, 57, 61, 67	V&al-2019
<i>Ranunculus neapolitanus</i> L.	Ranunculaceae	H	SEU-me		6, 11, 14, 16, 20, 21, 25, 37, 42, 45, 46, 47, 60, 61, 63, 69	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Ranunculus ophioglossifolius</i> Vill.	Ranunculaceae	H	SEU-me	EN, sp	28	
<i>Ranunculus polyanthemus</i> L.	Ranunculaceae	H	EUAS		51, 52	
<i>Ranunculus repens</i> L.	Ranunculaceae	H	WISP		23, 70	
<i>Ranunculus sardous</i> Crantz	Ranunculaceae	T	WISP		22, 23, 46	Vi-1852:86 as <i>R. philonotis</i> Ehrh.
<i>Ranunculus velutinus</i> Ten.	Ranunculaceae	H	ILBA-bap		64	V&al-2019
<i>Rapistrum rugosum</i> (L.) All. ssp. <i>rugosum</i>	Brassicaceae	T	ME-circ		3	
<i>Reseda lutea</i> L.	Resedaceae	H	WISP		1, 3, 14, 16, 25, 29, 44, 45, 69, 70	V&al-2019
<i>Reseda phyteuma</i> L.	Resedaceae	T	SEU-me		4, 27, 29, 68, 69	
<i>Reynoutria japonica</i> Houtt.	Polygonaceae	G	CUAD	inv	28	
<i>Rhamnus alaternus</i> L.	Rhamnaceae	P	ME-circ		31	
<i>Rhamnus alpinus</i> L. ssp. <i>fallax</i> (Boiss.) Maire et Petitm.	Rhamnaceae	P	ILBA-end		9, 11, 32, 33, 34, 35, 36, 52	Ja-1908 as <i>R. fallax</i>
<i>Rhamnus cathartica</i> L.	Rhamnaceae	P	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Rhamnus intermedius</i> Steud. et Hochst	Rhamnaceae	P	ME-ilade	end, NT, sp	1, 2, 5, 6, 8, 9, 11, 13, 14, 21, 23, 25, 26, 27, 31, 34, 39, 43, 48, 52, 53, 56, 57, 58, 61	VRZ-2012; V&al-2019
<i>Rhamnus saxatilis</i> Jacq.	Rhamnaceae	P	EUAS	LC	6, 7, 10, 30, 31, 47, 59	
<i>Rhinanthus minor</i> L.	Scrophulariaceae	T	CIHO		7, 16, 28, 45, 53, 55, 58, 59, 65, 70	V&al-2019
<i>Robinia pseudoacacia</i> L.	Fabaceae	P	CUAD	inv	1, 3, 5, 7, 13, 14, 16, 17, 22, 24, 29, 37, 44, 45, 46, 47, 50, 55, 57, 58, 59, 60, 61, 62, 63, 64, 69, 70	V&al-2019
<i>Rorippa lippizensis</i> (Wulfen) Rchb.	Brassicaceae	H	ILBA-end	end, sp	11, 13, 14, 20, 28, 29, 30, 44, 70	V&al-2019
<i>Rorippa sylvestris</i> (L.) Besser	Brassicaceae	H	EUAS		1, 22, 23, 28	V&al-2019
<i>Rosa arvensis</i> Huds.	Rosaceae	P	CEU		Significant Landscape of Sutina	V&al-2019
<i>Rosa canina</i> L.	Rosaceae	P	WISP		1, 17, 19, 30, 35, 42, 47, 59, 64	V&al-2019
<i>Rosa glauca</i> Pourr.	Rosaceae	P	EURO		20, 32, 34, 35, 36, 40	
<i>Rosa pimpinellifolia</i> L.	Rosaceae	P	EUAS		17, 32	
<i>Rosa subcanina</i> (Christ) Dalla Torre et Sarnth.	Rosaceae	P	CEU		32	
<i>Rubus caesius</i> L.	Rosaceae	P	EUAS		3, 4, 5, 14, 15, 16, 22, 37, 42, 44, 55, 65, 70	V&al-2019
<i>Rubus candicans</i> Weihe ex Rchb.	Rosaceae	P	EUAS		32	
<i>Rubus idaeus</i> L.	Rosaceae	P	WISP		3, 10, 32, 34, 35, 38, 39, 40	
<i>Rubus ulmifolius</i> Schott. (incl. <i>R. heteromorphus</i> Ripart ex Genev)	Rosaceae	P	ME-atl		1, 4, 5, 13, 14, 15, 18, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 37, 43, 44, 47, 48, 50, 51, 57, 59, 61, 62, 64?	VRZ-2012, as <i>R. heteromorphus</i> Ripart ex Genev; V&al-2019
<i>Rumex acetosella</i> L.	Polygonaceae	H	WISP		11, 32, 44	
<i>Rumex acetosa</i> L. ssp. <i>acetosa</i>	Polygonaceae	H	WISP		21	V&al-2019 as <i>R. acetosa</i> L.
<i>Rumex conglomeratus</i> Murray	Polygonaceae	H	WISP		3, 4, 14, 16, 22, 23, 28	
<i>Rumex crispus</i> L.	Polygonaceae	H	WISP		1, 4, 5, 16, 23, 25, 27, 43, 46	V&al-2019
<i>Rumex pulcher</i> L.	Polygonaceae	H	SEU-po		3, 5, 16, 20, 22, 23, 25, 27, 37, 43, 50	V&al-2019
<i>Romulea bulbocodium</i> (L.) Sebast. et Mauri	Iridaceae	G	ME-circ		2	
<i>Ruscus aculeatus</i> L.	Asparagaceae	G	ME-po	LC	4, 14, 16, 22, 37, 42, 69, 70	V&al-2019
<i>Ruscus hypoglossum</i> L.	Asparagaceae	G	SEU-po	NT	Significant Landscape of Sutina	V&al-2020
<i>Salix appendiculata</i> Vill.	Salicaceae	P	CEU		32, 34, 36	
<i>Salix alba</i> L.	Salicaceae	P	EUAS		46, 69, 70	
<i>Salix caprea</i> L.	Salicaceae	P	EUAS		32, 36, 41	
<i>Salix cinerea</i> L.	Salicaceae	P	EUAS		32, 34, 35, 37, 40, 64	
<i>Salix purpurea</i> L.	Salicaceae	P	EUAS		22, 28, 46, 47, 59, 64, 69, 70	V&al-2019
<i>Salvia glutinosa</i> L.	Lamiaceae	H	EUAS		14	Vi-1847:187
<i>Salvia officinalis</i> L.	Lamiaceae	Ch	ME-eu		7 (4861547, 56 07 414)	V&al-2019
<i>Salvia pratensis</i> L. (incl. <i>Salvia bertolonii</i> Vis.)	Lamiaceae	H	EURO		1, 4, 5, 7, 15, 16, 17, 20, 21, 25, 26, 42, 43, 45, 46, 48, 49, 51, 52, 59, 60, 65	V&al-2019
<i>Salvia sclarea</i> L.	Lamiaceae	H	SEU-me		3, 21, 22, 23, 25, 46, 66	



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Salvia verbenaca</i> L.	Lamiaceae	H	ME-atl		14	V&al-2019
<i>Salvia verticillata</i> L.	Lamiaceae	H	EURO		15, 50, 58, 65, 66, 67	
<i>Sambucus ebulus</i> L.	Caprifoliaceae	G	EURO		3, 4, 5, 13, 14, 16, 21, 25, 27, 30, 32, 35, 37, 66, 70	V&al-2019
<i>Sambucus nigra</i> L.	Caprifoliaceae	P	EURO		1, 13, 14, 15, 16, 20, 21, 24, 27, 32, 34, 35, 39, 40, 43, 50, 58, 59, 63, 69	Pe-1832:112; V&al-2019
<i>Sambucus racemosa</i> L.	Caprifoliaceae	P	CIHO		32	
<i>Sanguisorba minor</i> Scop. ssp. <i>minor</i>	Rosaceae	H	EUAS		4, 8, 9, 11, 27, 40, 44, 47, 50, 53, 57, 63, 64, 65, 66, 69	
<i>Sanguisorba minor</i> Scop. ssp. <i>muricata</i> Briq.	Rosaceae	H	SEU-me		1, 2, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 25, 26, 28, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 45, 46, 48, 49, 51, 52, 53, 54, 55, 56, 58, 59, 60, 62, 63, 69, 70	Tr-1992 as <i>S. muricata</i> (Spach) Gremli; V&al-2019
<i>Sanicula europaea</i> L.	Apiaceae	H	WISP		63	V&al-2019
<i>Saponaria officinalis</i> L.	Caryophyllaceae	H	WISP		1, 3, 4, 13, 22, 23, 66, 70	
<i>Satureja cuneifolia</i> Ten.	Lamiaceae	Ch	ME-ilape		6, 23, 25, 26, 46	
<i>Satureja montana</i> L. ssp. <i>variegata</i> (Host) P. W. Ball	Lamiaceae	Ch	ME-po		1, 2, 6, 8, 10, 18, 22, 26, 27, 31, 37, 40, 43, 45, 48, 49, 50, 51, 53, 54, 56, 59, 65, 66, 69	Je-1952, Tr-1992, VRZ-2012, Se&al-2016, M&K-2016 and V&al-2019, as <i>S. montana</i> L.
<i>Satureja montana</i> L. ssp. <i>montana</i>	Lamiaceae	Ch	ME-po		29, 32	
<i>Satureja subspicata</i> Vis. ssp. <i>subspicata</i>	Lamiaceae	Ch	ME-ilade	LC	6, 8, 9, 11, 18, 26, 40, 51, 53, 54, 56, 59, 65, 66, 69	Se&al-2016 and V&al-2019 as <i>S. subspicata</i> Vis.;
<i>Saxifraga bulbifera</i> L.	Saxifragaceae	H	SEEU		13, 37	V&al-2019
<i>Saxifraga marginata</i> Sternb. (incl. <i>S. coriophylla</i> Griseb.)	Saxifragaceae	Ch	ILBA-end		Svilaja mountain range	L&R-1989, as <i>S. coriophylla</i> Griseb.
<i>Saxifraga rotundifolia</i> L. ssp. <i>rotundifolia</i>	Saxifragaceae	H	SEU-mo	LC	11, 32, 35, 36, 38	V&al-2019 as <i>S. rotundifolia</i> L.
<i>Saxifraga tridactylites</i> L.	Saxifragaceae	T	WISP		6, 10, 11, 12, 20, 30, 32, 34, 36, 37, 40, 52, 66	V&al-2019
<i>Scabiosa columbaria</i> L. ssp. <i>columbaria</i>	Dipsacaceae	H	EUAS	LC	55	V&al-2019 as <i>C. columbaria</i> L.
<i>Scabiosa cinerea</i> Lapeyr. ex Lam.	Dipsacaceae	H	ME-ilade		69	LRS-1989 as <i>S. leucophylla</i> Borbás
<i>Scabiosa delminiana</i> Abadžić	Dipsacaceae	H	ME-ilade	end	40, 41, 51	
<i>Scabiosa triandra</i> L.	Dipsacaceae	H	SEU-me		4, 7, 9, 13, 15, 19, 32, 41, 46, 59, 66, 69?	V&al-2019
<i>Scandix pecten-venenis</i> L. ssp. <i>pecten-venenis</i>	Apiaceae	T	WISP	NT	30	
<i>Scilla autumnalis</i> L.	Asparagaceae	G	ME-po		6, 15, 18, 26, 27, 31, 48, 49, 50, 51, 59	V&al-2019
<i>Scirpus holoschoenus</i> L.	Cyperaceae	G	ME-circ	NT	1, 22, 23, 25, 28, 46, 47, 61	V&al-2019
<i>Scirpus lacustris</i> L. ssp. <i>lacustris</i>	Cyperaceae	Hy	WISP		22	V&al-2019 as <i>S. lacustris</i> L.
<i>Scirpus maritimus</i> L. ssp. <i>maritimus</i>	Cyperaceae	Hy	WISP	NT	22, 23, 28	
<i>Scleranthus annuus</i> L.	Caryophyllaceae	T	WISP		11, 29, 44	
<i>Sclerochloa dura</i> (L.) P. Beauv.	Poaceae	T	SEU-me		22	Vi-1842:82 as <i>Poa dura</i> Scop.
<i>Scolymus hispanicus</i> L.	Cichoriaceae	H	ME-circ		3, 5, 13, 21, 22, 23, 25, 68	
<i>Scorzonera austriaca</i> Willd. ssp. <i>austriaca</i>	Cichoriaceae	H	SEU-po		41	
<i>Scorzonera austriaca</i> Willd. ssp. <i>bupleurifolia</i> (Pouzolz) Bonnier	Cichoriaceae	H	SEU-po	end, sp	12	
<i>Scorzonera laciniata</i> L.	Cichoriaceae	H	ILBA-end		5, 20, 23, 28	
<i>Scorzonera villosa</i> Scop.	Cichoriaceae	H	ME-ilseu		1, 5, 6, 17, 23, 25, 26, 29, 30, 31, 35, 39, 43, 45, 46, 48, 51, 52, 53, 55, 56, 57, 58, 62	Tr-1992; Se&al-2016; V&al-2019
<i>Scrophularia bosniaca</i> Beck	Scrophulariaceae	H	ME-ilade	end, DD, sp	10, 32	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Scrophularia canina</i> L. ssp. <i>bicolor</i> (Sibth. et Sm.) Greuter	Scrophulariaceae	H	SEU-me		1, 4, 6, 7, 8, 13, 15, 17, 21, 22, 23, 25, 27, 29, 30, 31, 32, 36, 37, 38, 40, 42, 45, 46, 47, 50, 51, 53, 55, 58, 59, 61, 65, 69	V&al-2019 as <i>S. canina</i> L.
<i>Scrophularia heterophylla</i> Willd. ssp. <i>laciniata</i> (Waldst. et Kit.) Maire et Petitm	Scrophulariaceae	H	ILBA-end		34, 35	Ja-1908 as <i>S. laciniata</i>
<i>Scrophularia nodosa</i> L.	Scrophulariaceae	H	CIHO		Significant Landscape of Sutina	V&al-2019
<i>Sedum acre</i> L.	Crassulaceae	Ch	WISP		1, 7, 9, 11, 17, 20, 21, 23, 25, 27, 30, 31, 37, 38, 42, 43, 45, 46, 52, 55, 58, 62	VRZ-2012; V&al-2019
<i>Sedum album</i> L.	Crassulaceae	Ch	EUAS		14, 27, 35, 65	
<i>Sedum atratum</i> L.	Crassulaceae	T	SEU-mo		33, 34	Ja-1908
<i>Sedum dasyphyllum</i> L.	Crassulaceae	Ch	SEU-me		14	M&K-2016
<i>Sedum hispanicum</i> L.	Crassulaceae	T	SEU-po		14, 21, 30, 31, 32, 35, 40, 43, 46, 55	VRZ-2012; V&al-2019
<i>Sedum ochroleucum</i> Chaix	Crassulaceae	Ch	SEU-me		8, 9, 10, 11, 17, 21, 23, 31, 32, 34, 36, 38, 39, 40, 52, 53, 55, 58, 61, 65, 67	VRZ-2012; V&al-2019
<i>Sedum rupestre</i> L.	Crassulaceae	Ch	CEU		1, 32	
<i>Sedum sexangulare</i> L.	Crassulaceae	Ch	SEU-me		1, 4, 5, 6, 7, 8, 9, 11, 15, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 30, 32, 34, 35, 36, 37, 39, 40, 42, 43, 44, 46, 47, 49, 50, 53, 55, 58, 59, 60, 65, 66	Tr-1992
<i>Sedum telephium</i> L. ssp. <i>maximum</i> (L.) Krock	Crassulaceae	H	EURO		20, 27	
<i>Selinum cariofolia</i> (L.) L.	Apiaceae	H	EUAS		41	
<i>Sempervivum marmoreum</i> Griseb.	Crassulaceae	Ch	ILBA-end	sp	10, 11, 12	LRS-1989; V&al-2019
<i>Sempervivum tectorum</i> L.	Crassulaceae	Ch	CUAD	sp	1, 23, 27*, 37*, 42*	
<i>Senecio angulatus</i> L. f.	Asteraceae	Ch	CUAD		1	
<i>Senecio aquaticus</i> Hill	Asteraceae	H	CEU		22	
<i>Senecio doronicum</i> (L.) L. ssp. <i>doronicum</i>	Asteraceae	H	SEU-mo		33, 34	
<i>Senecio vulgaris</i> L.	Asteraceae	T	WISP		3, 6, 13, 14, 16, 24, 27, 28, 37, 49, 50, 68, 69	V&al-2019
<i>Senecio squalidus</i> L.	Asteraceae	H	SEEU		32	
<i>Serapias parviflora</i> Parl.	Orchidaceae	G	ME-circ	sp	Muč	Kr-2005:380
<i>Serapias vomeracea</i> (Burm.) Briq.	Orchidaceae	G	ME-atl	VU, sp	Muč Gornji	Kr-2005:382
<i>Serratula radiata</i> (Waldst. et Kit.) M.Bieb. ssp. <i>cetingensis</i> (Rohlena) Hayek	Asteraceae	H	EEUPO	end, sp	41	V&al-2019 as <i>S. radiata</i> (Waldst. et Kit.) M.Bieb.
<i>Serratula tinctoria</i> L.	Asteraceae	H	EUAS		"in sylvaticis et pratis umbrosis inter Dernis et Verlika"	Vi-1847:52
<i>Seseli elatum</i> L. ssp. <i>gouanii</i> (Koch) P. W. Ball	Apiaceae	H	ILBA-end	end, sp	34, 41	
<i>Seseli montanum</i> L. ssp. <i>tommassinii</i> (Rchb. F.) Arcang.	Apiaceae	H	ME-ilseu	end, sp	8, 9, 15, 18, 19, 26, 27, 30, 31, 48, 49, 50, 51, 54, 55, 56, 58, 59, 65, 66	V&al-2019
<i>Seseli pallasii</i> Besser	Apiaceae	H	SEU-po		2, 24, 25, 41	V&al-2019
<i>Seseli tomentosum</i> Vis.	Apiaceae	H	ME-ilade	end, NT, sp	26	V&al-2019
<i>Seseli tortuosum</i> L.	Apiaceae	H	SEU-me		1, 4, 5	
<i>Sesleria autumnalis</i> (Scop.) F.W. Schultz	Poaceae	H	ME-ilseu		2, 6, 10, 11, 18, 19, 26, 30, 31, 32, 36, 37, 47, 51, 52, 57, 59, 60, 61, 64, 65, 69	Je-1952; Se&al-2016; V&al-2019
<i>Sesleria robusta</i> Schott, Nyman et Kotschy	Poaceae	H	SEU-me		10, 33, 34	LRS-1989
<i>Sesleria tenuifolia</i> Schrad. ssp. <i>tenuifolia</i>	Poaceae	H	ILBA-end		8, 9, 10, 11, 12, 31, 33, 34, 35, 40, 41, 52, 53, 56, 57, 64, 69	L&R-1989 as <i>S. juncifolia</i> s. lat.; LRS-1989 as <i>S. tenuifolia</i> Schrad. ssp. <i>interrupta</i> Vis.; V&al-2019 as <i>S. tenuifolia</i> Schrad.
<i>Setaria gussonei</i> Kerguelen	Poaceae	T	WISP		1, 14	
<i>Setaria italica</i> (L.) P.Beauv.	Poaceae	T	WISP		4, 14, 22	
<i>Setaria pumila</i> (Poir.) Schult.	Poaceae	T	WISP		14, 22	
<i>Setaria verticillata</i> (L.) P.Beauv.	Poaceae	T	WISP		3, 4, 14, 24, 68	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Setaria viridis</i> (L.) P.Beauv.	Poaceae	T	EUAS		4, 5, 13, 22, 27, 37, 49, 50, 66, 68	
<i>Sherardia arvensis</i> L.	Rubiaceae	T	WISP		1, 2, 16, 17, 20, 26, 27, 37, 42, 43, 45, 60, 61, 69, 70	V&al-2019
<i>Sideritis montana</i> L. ssp. <i>montana</i>	Lamiaceae	T	ME-po		21, 31	
<i>Silene conica</i> L.	Caryophyllaceae	T	EUAS		14	Pe-1832:120
<i>Silene italica</i> (L.) Pers ssp. <i>italica</i>	Caryophyllaceae	H	SEU-me		19, 25, 35, 37, 42, 45, 53, 55, 66, 69	
<i>Silene italica</i> (L.) Pers. ssp. <i>nemorialis</i> (Waldst. et Kit.) Nyman	Caryophyllaceae	H	SEU-me		Significant Landscape of Sutina	V&al-2019
<i>Silene latifolia</i> Poir. ssp. <i>alba</i> (Mill.) Greuter et Burdet	Caryophyllaceae	H	EUAS		1, 4, 5, 11, 13, 14, 26, 27, 32?, 36, 40, 43, 48, 49, 50, 55, 58, 58, 65, 66, 70	Ma-1992 as <i>S. alba</i> (Mill.) E.H.L. Krause; V&al-2019
<i>Silene latifolia</i> Poir. ssp. <i>latifolia</i>	Caryophyllaceae	H	EUAS		1, 3, 13, 14, 15, 16, 17, 20, 21, 23, 24, 25, 29, 30, 31, 32, 37, 42, 44, 45, 46, 69	
<i>Silene multicaulis</i> Guss.	Caryophyllaceae	H	ME-ilape		Svilaja mountain range	LRS-1989
<i>Silene otites</i> (L.) Wibel	Caryophyllaceae	H	SEU-po		1, 6, 18, 43, 55, 57, 58, 59	V&al-2019
<i>Silene paradoxa</i> L.	Caryophyllaceae	H	SEU-atl		42, 69	
<i>Silene saxifraga</i> L.	Caryophyllaceae	H	SEU-mo		33, 34, 41	Ja-1908
<i>Silene sendtneri</i> Boiss.	Caryophyllaceae	H	ILBA-end	end, sp	41	LRS-1989
<i>Silene viridiflora</i> L.	Caryophyllaceae	H	SEU-po		41	
<i>Silene vulgaris</i> (Moench) Garcke ssp. <i>angustifolia</i> Hayek	Caryophyllaceae	H	SEU-me		1, 2, 4, 6, 7, 13, 17, 23, 25, 27, 29, 31, 32, 36, 37, 38, 40, 42, 43, 45, 48, 53, 55, 58, 63, 65, 66	VRZ-2012; V&al-2019
<i>Sinapis arvensis</i> L.	Brassicaceae	T	WISP		1, 3, 4, 21, 24, 28	
<i>Sisymbrium irio</i> L.	Brassicaceae	T	EUAS		"in devexitatibus montis Svilaja"	Vi-1872:123
<i>Sisymbrium officinale</i> (L.) Scop.	Brassicaceae	T	WISP		1, 5, 16, 21, 23, 25, 27, 30, 44, 45, 47, 50, 66, 68, 69	Ma-1992; V&al-2019
<i>Sixalix atropurpurea</i> (Forssk.) Greuter et Burdet ssp. <i>maritima</i> (L.) Greuter et Burdet	Dipsacaceae	H	ME-circ		27	
<i>Smyrniium olusatrum</i> L.	Apiaceae	H	ME-atl		2, 21, 66	
<i>Smyrniium perfoliatum</i> L.	Apiaceae	H	ME-circ		4, 13, 14, 15, 16, 18, 21, 27, 29, 30, 42, 46, 47, 65	Pe-1832:122 as <i>S. dioscoridis</i> Spr.; Vi-1852:68; V&al-2019
<i>Solanum dulcamara</i> L.	Solanaceae	P	WISP		28	
<i>Solanum lycopersicum</i> L.	Solanaceae	T	CUAD		3*, 4*, 14, 16*, 22*, 24, 25*, 26, 27, 37*, 43*, 49*, 66*	
<i>Solanum nigrum</i> L.	Solanaceae	T	WISP		4, 14, 25*, 27	V&al-2019
<i>Solanum tuberosum</i> L.	Solanaceae	T	CUAD		3*, 4, 13*, 14*, 16*, 27, 28*, 30*, 37*, 43*, 45, 47*, 69	
<i>Solanum villosum</i> Mill. ssp. <i>alatum</i> (Moench) Dostál	Solanaceae	T	EUAS		27, 50	
<i>Solidago gigantea</i> Aiton	Asteraceae	G	CUAD	inv	3*, 4	
<i>Solidago virgaurea</i> L. ssp. <i>virgaurea</i>	Asteraceae	H	EUAS		51, 64	V&al-2019
<i>Sonchus arvensis</i> L.	Cichoriaceae	H	WISP		21, 28	
<i>Sonchus asper</i> (L.) Hill ssp. <i>asper</i>	Cichoriaceae	T	ME-circ		47	
<i>Sonchus asper</i> (L.) Hill ssp. <i>glaucescens</i> (Jord.) Ball	Cichoriaceae	H	ME-circ		3, 16, 21, 29, 45	
<i>Sonchus oleraceus</i> L.	Cichoriaceae	T	WISP		13, 14, 23, 24, 27, 49	V&al-2019
<i>Sonchus tenerrimus</i> L.	Cichoriaceae	T	ME-circ		14, 47	M&K-2016
<i>Sorbus aria</i> (L.) Crantz	Rosaceae	P	WISP		9, 11, 31, 32, 34, 35, 36, 38, 39, 40, 41, 47, 48, 49, 50, 51, 52, 55, 56, 58, 61, 63, 66	V&al-2019
<i>Sorbus aucuparia</i> L. ssp. <i>aucuparia</i>	Rosaceae	P	EUAS		32	V&al-2019 as <i>S. aucuparia</i> L.
<i>Sorbus domestica</i> L.	Rosaceae	P	CUAD		4, 13, 14, 19, 42, 59, 65, 70	
<i>Sorbus torminalis</i> (L.) Crantz	Rosaceae	P	EUAS		32, 63	Vi-1852:246 as <i>Pyrus torminalis</i> Ehrh.; Je-1952; V&al-2019
<i>Sorghum halepense</i> (L.) Pers.	Poaceae	G	WISP	inv	4, 14	

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Spartium junceum</i> L.	<i>Fabaceae</i>	P	ME-circ		47, 57, 61	V&al-2019
<i>Spiraea cana</i> Waldst. et Kit.	<i>Rosaceae</i>	Ch	ME-ilade	sp	Significant Landscape of Sutina	V&al-2019
<i>Spiraea media</i> Schmidt	<i>Rosaceae</i>	P	EEUPO		32, 35, 36, 38, 39, 40, 65	V-1952:256 as <i>S. chamaedryfolia</i> L.; Ja-1908
<i>Spiranthes spiralis</i> (L.) Chevall.	<i>Orchidaceae</i>	G	EURO	sp	Muč	Kr-2005:384
<i>Stachys annua</i> (L.) L.	<i>Lamiaceae</i>	T	EURO		13, 14, 68	
<i>Stachys cretica</i> L. ssp. <i>salviifolia</i> (Ten.) Rech. f.	<i>Lamiaceae</i>	H	ME-ilape		8, 16	V&al-2019
<i>Stachys recta</i> L.	<i>Lamiaceae</i>	H	SEU-po		11, 33, 48	
<i>Stachys subcrenata</i> Vis.	<i>Lamiaceae</i>	H	ME-ilape		9, 32, 34, 36, 38	V&al-2019
<i>Stachys sylvatica</i> L.	<i>Lamiaceae</i>	H	EUAS		14, 35, 58	Vi-1847:206; V&al-2019
<i>Stachys thirkei</i> K.Koch	<i>Lamiaceae</i>	H	ME-east		1, 3, 4, 5, 16, 17, 19, 21, 22, 23, 25, 26, 43, 45, 46, 58, 61, 62, 70	
<i>Stellaria media</i> (L.) Vill.	<i>Caryophyllaceae</i>	T	WISP		2, 14, 16, 37, 49, 50, 61	V&al-2019
<i>Stellaria pallida</i> (Dumort) Piré	<i>Caryophyllaceae</i>	T	EUAS		2, 20, 44, 60	
<i>Stipa pennata</i> L. ssp. <i>ericaulis</i> (Borbás) Martinovský et Skalický	<i>Poaceae</i>	H	SEU-me		1, 2, 8, 9, 11, 13, 17, 21, 23, 25, 31, 32, 41, 48, 50, 51, 52, 53, 54, 56, 58, 59, 65, 67	V&al-2019 as <i>S. pennata</i> L.
<i>Stipa pulcherrima</i> K. Koch	<i>Poaceae</i>	H	SEU-po		Svilaja mountain range	LRS-1989
<i>Symphytium tuberosum</i> L.	<i>Boraginaceae</i>	G	SEU-co		11, 32	Vi-1847:255; V&al-2019
<i>Syringa vulgaris</i> L.	<i>Oleaceae</i>	P	CUAD		1, 3*, 13*, 14, 24, 27, 28*, 30, 37, 43*, 45*, 49*, 66, 70	
<i>Tagetes patula</i> L.	<i>Asteraceae</i>	T	CUAD		1, 14, 27, 49*, 50	
<i>Tamus communis</i> L.	<i>Dioscoreaceae</i>	G	SEU-me		2, 3, 5, 14, 16, 20, 22, 25, 28, 30, 37, 42, 44, 45, 46, 60, 63, 69, 70	V&al-2019
<i>Tanacetum corymbosum</i> (L.) Sch. Bip.	<i>Asteraceae</i>	H	CEU		32	Vi-1847:88 as <i>Chrysanthemum corymbosum</i> L.
<i>Tanacetum parthenium</i> (L.) Sch. Bip.	<i>Asteraceae</i>	H	WISP		1, 3, 13, 27, 42	
<i>Tanacetum vulgare</i> L.	<i>Asteraceae</i>	H	CUAD		23*, 46*, 59	
<i>Taraxacum hoppeanum</i> Griseb.	<i>Cichoriaceae</i>	H	SEU-mo		36	
<i>Taraxacum decipiens</i> Raunk.	<i>Cichoriaceae</i>	H	SEU-me		2, 44	
<i>Taraxacum laevis</i> auct. croat.	<i>Cichoriaceae</i>	H	SEU-me		6, 10, 29, 30, 44, 47, 52, 53, 57, 61, 66	
<i>Taraxacum officinale</i> Webber	<i>Cichoriaceae</i>	H	WISP		1, 4, 10, 11, 13, 14, 15, 16, 20, 27, 28, 29, 32, 37, 42, 47, 49, 51, 60, 63, 64, 66, 69, 70	L&R-1989 as <i>T. officinale</i> Wigg. (s. lat.); V&al-2019
<i>Taraxacum palustre</i> (Lyons) Symons	<i>Cichoriaceae</i>	H	EUAS		60	
<i>Teucrium arduini</i> L.	<i>Lamiaceae</i>	H	ME-ilade	end, DD, sp	38, 39, 40, 41, 51, 52	
<i>Teucrium chamaedrys</i> L.	<i>Lamiaceae</i>	Ch	SEU-po		1, 2, 3, 4, 6, 7, 8, 10, 11, 13, 15, 16, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29, 30, 31, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 60, 61, 62, 64, 65, 66, 69, 70	V&al-2019
<i>Teucrium montanum</i> L.	<i>Lamiaceae</i>	Ch	SEU-me		1, 2, 6, 7, 8, 9, 10, 11, 23, 25, 26, 27, 31, 32, 34, 35, 36, 38, 39, 40, 41, 47, 48, 50, 51, 52, 53, 54, 56, 57, 58, 59, 61, 62, 64, 65, 69	Je-1952; Tr-1992; V&al-2019
<i>Teucrium polium</i> L. ssp. <i>capitatum</i> (L.) Arcang.	<i>Lamiaceae</i>	Ch	ME-po		1, 2, 7, 8, 15, 16, 17, 18, 19, 21, 25, 26, 27, 31, 37, 42, 43, 44, 45, 46, 47, 48, 49, 50, 54, 61, 69, 70	Tr-1992 as <i>T. polium</i> L.; V&al-2019
<i>Teucrium scordiodoides</i> Schreb.	<i>Lamiaceae</i>	H	ME-atl		46	
<i>Thalictrum aquilegifolium</i> L.	<i>Ranunculaceae</i>	H	EUAS		27, 37, 39, 40, 41, 53	
<i>Thalictrum minus</i> L.	<i>Ranunculaceae</i>	H	WISP		2, 9, 11, 13, 15, 16, 20, 26, 33, 34, 35, 36, 41, 51, 64, 65, 66	Vi-1852:78; V&al-2019
<i>Thesium divaricatum</i> Jan. ex Mert. et Koch	<i>Santalaceae</i>	H	ME-circ		8, 9, 23, 24, 26, 31, 43, 45, 49, 50, 51, 59	Tr-1992; VRZ-2012; V&al-2019
<i>Thesium linophyllum</i> L.	<i>Santalaceae</i>	H	SEU-po		19, 25, 33, 39, 65, 70?	Vi-1842:222
<i>Thlaspi arvense</i> L.	<i>Brassicaceae</i>	T	WISP		Significant Landscape of Sutina	V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Thlaspi perfoliatum</i> L.	Brassicaceae	T	EUAS		2, 29, 30, 36, 66, 70	
<i>Thlaspi praecox</i> Wulfen	Brassicaceae	H	ME-ilseu		8, 9, 10, 11, 12, 33, 34, 39, 41, 51, 53, 57, 58, 61, 66, 67	V&al-2019
<i>Thymus bracteosus</i> Vis. ex Benth.	Lamiaceae	Ch	ME-ilade	end, sp	26, 32, 38, 39, 40, 41, 46, 51, 53, 56, 58, 59	Vi-1847:193; V&al-2019
<i>Thymus longicaulis</i> C.Presl	Lamiaceae	Ch	ME-ilape		1, 2, 3, 8, 10, 11, 12, 13, 16, 17, 19, 20, 26, 29, 30, 31, 32, 36, 37, 40, 41, 42, 44, 45, 47, 55, 57, 59, 60, 61, 64, 65, 66, 67, 69, 70	Je-1952; VRZ-2012; V&al-2019
<i>Thymus striatus</i> Vahl	Lamiaceae	Ch	ILBA-bap		33, 34	
<i>Tilia platyphyllos</i> Scop.	Tiliaceae	P	EURO		1, 22*, 43*	
<i>Tordylium apulum</i> L.	Apiaceae	T	ME-circ		1, 2, 3, 21, 29, 30, 43, 45	V&al-2019
<i>Tordylium maximum</i> L.	Apiaceae	T	EUAS		1, 3, 16, 22, 23, 28, 46	Ma-1992
<i>Torilis arvensis</i> (Huds.) Link ssp. <i>arvensis</i>	Apiaceae	T	EURO		23, 25, 27	
<i>Torilis arvensis</i> (Huds.) Link ssp. <i>purpurea</i> (Ten.) Hayek	Apiaceae	T	ME-circ		1, 3, 5	
<i>Torilis nodosa</i> (L.) Gaertn.	Apiaceae	T	ME-atl		21, 23, 25, 27, 45	
<i>Tragopogon balcanicus</i> Velen.	Cichoriaceae	H	ILBA-end		24, 25, 32, 38, 55	
<i>Tragopogon dubius</i> Scop.	Cichoriaceae	H	SEU-po		14, 21	V&al-2019
<i>Tragopogon pratensis</i> L. ssp. <i>orientalis</i> (L.) Celak.	Cichoriaceae	H	EUAS		Significant Landscape of Sutina	V&al-2019
<i>Tragopogon tommasinii</i> Sch.Bip.	Cichoriaceae	H	ME-ilade		8, 9, 11, 16, 17, 28, 32, 37, 41, 42, 47, 49, 51, 53, 55, 58, 59, 62, 63, 65, 70	
<i>Tragus racemosus</i> (L.) All.	Poaceae	T	SEU-me		27	
<i>Tribulus terrestris</i> L.	Zygophyllaceae	T	SEU-me		4, 27	
<i>Trifolium alpestre</i> L.	Fabaceae	H	SEU-mo		11, 19, 24, 25, 32, 33, 34, 35, 36, 40, 43, 55, 65, 67	V&al-2019
<i>Trifolium angustifolium</i> L.	Fabaceae	T	ME-circ		5, 22, 23, 46, 47	V&al-2019
<i>Trifolium arvense</i> L.	Fabaceae	T	EUAS		8, 11, 55	V&al-2019
<i>Trifolium campestre</i> Schreber	Fabaceae	T	WISP		5, 11, 14, 16, 17, 20, 21, 23, 27, 28, 31, 35, 37, 42, 43, 45, 46, 50, 51, 55, 58, 63, 69, 70	Ma-1964; Tr-1992; V&al-2019
<i>Trifolium dalmaticum</i> Vis.	Fabaceae	T	ME-ilseu	end, sp	1, 8, 11, 14, 16, 21, 23, 24, 25, 27, 43, 48, 49, 58, 59	
<i>Trifolium diffusum</i> Erhardt	Fabaceae	T	SEU-po		49	
<i>Trifolium fragiferum</i> L. ssp. <i>bonannii</i> (C. Presl) Soják	Fabaceae	H	SEU-me		22	V&al-2019 as <i>T. incarnatum</i> L.
<i>Trifolium incarnatum</i> L. ssp. <i>incarnatum</i>	Fabaceae	T	ME-atl		59	
<i>Trifolium incarnatum</i> L. ssp. <i>molinerii</i> (Balb.ex Hornem.) Syme	Fabaceae	T	ME-atl	DD	2, 5, 8, 11, 16, 17, 20, 21, 27, 29, 37, 43, 44, 45, 48, 50, 55, 58, 65, 67	
<i>Trifolium montanum</i> L.	Fabaceae	H	EUAS		32, 36, 55	V&al-2019
<i>Trifolium nigrescens</i> Viv.	Fabaceae	T	ME-circ		2, 5, 27	
<i>Trifolium oroleucon</i> Huds.	Fabaceae	H	SEU-po		9, 24, 32, 65	
<i>Trifolium pannonicum</i> Jacq.	Fabaceae	H	CEU	VU, sp	8, 25, 55	
<i>Trifolium patens</i> Schreb.	Fabaceae	T	SEU-co		14, 16, 28, 32, 65	
<i>Trifolium pratense</i> L.	Fabaceae	H	EUAS		3, 4, 5, 8, 11, 13, 14, 15, 16, 17, 18, 20, 23, 26, 27, 28, 29, 32, 37, 40, 42, 43, 45, 46, 47, 48, 49, 50, 54, 55, 59, 63, 65, 66, 69, 70	V&al-2019
<i>Trifolium repens</i> L. ssp. <i>prostratum</i> Nyman	Fabaceae	H	ME-circ		5, 7, 13, 17, 19, 21, 27, 42, 44, 66	
<i>Trifolium repens</i> L. ssp. <i>repens</i>	Fabaceae	H	WISP		11, 13, 14, 15, 23, 26, 27, 28, 42, 45, 48, 50, 55, 70	Ma-1964, V&al-2019 as <i>T. repens</i> L.
<i>Trifolium resupinatum</i> L.	Fabaceae	T	ME-po	VU, sp	1, 5, 23, 28	
<i>Trifolium rubens</i> L.	Fabaceae	H	SEU-me		17	V&al-2019

Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Trifolium scabrum</i> L.	Fabaceae	T	ME-circ		1, 8, 23	
<i>Trifolium squamosum</i> L.	Fabaceae	T	ME-circ		28	
<i>Trifolium stellatum</i> L.	Fabaceae	T	ME-circ		26, 50	
<i>Trifolium striatum</i> L. ssp. <i>tenuiflorum</i> (Ten.) Arcang.	Fabaceae	T	EUAS		16, 43	
<i>Trifolium subterraneum</i> L.	Fabaceae	T	ME-atl		37	
<i>Trigonella esculenta</i> Willd.	Fabaceae	T	ME-eu		14, 17, 23	
<i>Trinia glauca</i> (L.) Dumort.	Apiaceae	H	ILBA-end		33, 34	Vi-1852:29 as <i>T. vulgaris</i> DC.
<i>Trisetum flavescens</i> (L.) P.Beauv.	Poaceae	H	CIHO		1, 13, 15, 16, 28, 66	
<i>Tulipa sylvestris</i> L. (incl. <i>T. grisebachiana</i> Pant.)	Liliaceae	G	SEU-me	NT	10, 32, 36	Vi-1842:133, A-1911:62 as <i>T. grisebachiana</i> ; M&al-2013; V&al-2019
<i>Tussilago farfara</i> L.	Asteraceae	G	EUAS		10, 32, 36, 38, 44, 47, 50, 55, 57, 58, 62, 68	V&al-2019
<i>Typha angustifolia</i> L.	Typhaceae	G	WISP		Significant Landscape of Sutina	V&al-2019
<i>Typha domingensis</i> (Pers.) Steud.	Typhaceae	G	SEU-me		3, 22, 28, 44, 46, 47, 59, 64	
<i>Ulmus glabra</i> Huds.	Ulmaceae	P	WISP		Significant Landscape of Sutina	V&al-2019
<i>Ulmus minor</i> Mill.	Ulmaceae	P	WISP		2, 4, 5, 11, 13, 14, 16, 21, 22, 23, 29, 37, 42, 44, 45, 46, 47, 51, 59, 60, 66	V&al-2019
<i>Urospermum picroides</i> (L.) Scop. ex F. W. Schmidt	Cichoriaceae	T	ME-circ		37	
<i>Urtica dioica</i> L.	Urticaceae	H	WISP		1, 3, 4, 5, 10, 11, 12, 13, 14, 16, 20, 21, 23, 24, 27, 29, 30, 32, 35, 37, 42, 45, 48, 49, 50, 54, 58, 59, 61, 65, 66, 69, 70	Ma-1992; V&al-2019
<i>Urtica urens</i> L.	Urticaceae	T	WISP		6, 14, 46, 50	Ma-1964
<i>Vaccaria hispanica</i> (Miller) Rauschert	Caryophyllaceae	T	WISP	CR, sp	3	
<i>Valeriana officinalis</i> L.	Valerianaceae	H	EUAS		10, 20, 32	
<i>Valeriana tuberosa</i> L.	Valerianaceae	H	SEU-me		2, 6, 11, 12, 29, 30, 41, 47, 53, 57, 61, 66, 67	V&al-2019
<i>Valerianella dentata</i> (L.) Pollich	Valerianaceae	T	SEU-me		23, 28	V&al-2019
<i>Valerianella locusta</i> (L.) Laterrade	Valerianaceae	T	ME-circ		42	
<i>Veratrum nigrum</i> L.	Melanthiaceae	G	EUAS		32, 65	Vi-1842:155
<i>Verbascum pulverulentum</i> Vill.	Scrophulariaceae	H	SEU-atl		3, 4, 13, 27, 59, 66	
<i>Verbascum blattaria</i> L.	Scrophulariaceae	H	SEU-po		23, 25, 50	
<i>Verbascum chaixii</i> Vill. ssp. <i>austriacum</i> (Schott ex Roem. et Schult.) Hayek	Scrophulariaceae	H	CEU	DD	7, 10, 11, 21, 32, 33, 40, 41, 53, 58	Vi-1847:157 as <i>V. nigrum</i> $\gamma$ <i>orientale</i> ; V&al-2019
<i>Verbascum densiflorum</i> Bertol.	Scrophulariaceae	H	EURO		56, 59	Pe-1832:138 as <i>V. thapsus</i> L.
<i>Verbascum lychnitis</i> L.	Scrophulariaceae	H	EUAS		1, 5, 16, 43	
<i>Verbascum macrurum</i> Ten.	Scrophulariaceae	H	ILBA-bap		41	
<i>Verbascum nigrum</i> L.	Scrophulariaceae	H	EURO		14	Pe-1832:138
<i>Verbascum phlomoides</i> L.	Scrophulariaceae	H	EURO		Significant Landscape of Sutina	V&al-2019
<i>Verbascum phoeniceum</i> L.	Scrophulariaceae	T	SEU-po		2, 6, 17, 48, 51, 67	V&al-2019
<i>Verbascum pulverulentum</i> Vill.	Scrophulariaceae	H	SEU-me		21, 25	V&al-2019
<i>Verbascum sinuatum</i> L.	Scrophulariaceae	H	ME-circ		7	
<i>Verbena officinalis</i> L.	Verbenaceae	H	WISP		1, 3, 4, 5, 6, 13, 14, 15, 16, 20, 22, 23, 27, 28, 35, 42, 63, 65, 68	V&al-2019
<i>Veronica anagallis-aquatica</i> L. ssp. <i>anagallis-aquatica</i>	Scrophulariaceae	H	EURO	LC	14, 22, 23	Vi-1847:171 as <i>V. anagallis</i> L.; V&al-2019 as <i>V. anagallis-aquatica</i> L.
<i>Veronica arvensis</i> L.	Scrophulariaceae	T	EUAS		11, 14, 16, 17, 20, 29, 37, 40, 69	V&al-2019
<i>Veronica austriaca</i> L. ssp. <i>austriaca</i>	Scrophulariaceae	H	SEU-mo		17, 39, 49	De-2010 as <i>V. austriaca</i> ssp. <i>dentata</i> (F. W. Schmidt) Watzl
<i>Veronica austriaca</i> L. ssp. <i>jacquinii</i> (Baumg.) Eb.Fisch.	Scrophulariaceae	H	EEUPO		2, 9, 11, 26, 30, 32, 37, 41, 42, 49, 51, 52	Je-1952 as <i>V. austriaca</i> ssp. <i>orbiculata</i> var. <i>hercegovinica</i> ; V&al-2019
<i>Veronica chamaedrys</i> L.	Scrophulariaceae	H	EUAS		11, 13, 36, 37, 42, 47, 60, 61, 65, 69	



Taxon	Family	Life form	Geoelement	Status	Localities (finding sites)	Previously recorded findings
<i>Veronica cymbalaria</i> Bodard	Scrophulariaceae	T	EUAS		29, 37	
<i>Veronica hederifolia</i> L.	Scrophulariaceae	T	EUAS		37, 60	
<i>Veronica officinalis</i> L.	Scrophulariaceae	H	CIHO		11, 21, 35, 63	Vi-1847:169; V&al-2019
<i>Veronica persica</i> Poir.	Scrophulariaceae	T	WISP	inv	13, 14, 16, 20, 24, 27, 28, 29, 30, 37, 47, 60, 66, 68, 69, 70	Ma-1964 as <i>V. tournefortii</i> C.C. Gmel.; V&al-2019
<i>Veronica polita</i> Fr.	Scrophulariaceae	T	EUAS		2	V&al-2019
<i>Veronica serpyllifolia</i> L.	Scrophulariaceae	H	WISP		11	
<i>Veronica triloba</i> Opiz	Scrophulariaceae	T	ME-east		29, 60, 69	
<i>Viburnum lantana</i> L.	Scrophulariaceae	P	SEU-me		32, 63	Je-1952; V&al-2019
<i>Viburnum opulus</i> L.	Caprifoliaceae	P	EUAS		32, 64, 65, 66, 69, 70	
<i>Vicia angustifolia</i> L. ssp. <i>angustifolia</i>	Fabaceae	T	EURO		1, 2, 11, 14, 16, 17, 20, 21, 25, 27, 29, 30, 37, 42, 43, 44, 45, 46, 47, 48, 51, 55, 58, 60, 61, 65, 69, 70	
<i>Vicia bithynica</i> (L.) L.	Fabaceae	T	ME-circ		Significant Landscape of Sutina	V&al-2019
<i>Vicia cracca</i> L.	Fabaceae	H	EUAS		11, 32, 44	V&al-2019
<i>Vicia grandiflora</i> Scop.	Fabaceae	T	EEUPO		2, 14, 16, 37, 42, 46, 47	V&al-2019
<i>Vicia hybrida</i> L.	Fabaceae	T	ME-circ		37, 69	
<i>Vicia lutea</i> L.	Fabaceae	T	ME-circ		37	
<i>Vicia narbonensis</i> L.	Fabaceae	T	ME-circ		70	
<i>Vicia ochroleuca</i> Ten. ssp. <i>dinara</i> (K. Malý) Rohlena	Fabaceae	H	ME-ilade	end, sp	21, 31, 32, 35, 40, 53	VRZ-2012; V&al-2019
<i>Vicia oroboides</i> Wulfen	Fabaceae	H	ILBA-end		36	
<i>Vicia pannonica</i> Crantz ssp. <i>striata</i> (M. Bieb.) Nyman	Fabaceae	T	SEU-me		32, 45	
<i>Vicia sativa</i> L. ssp. <i>cordata</i> (Hoppe) Batt.	Fabaceae	T	SEU-po		45	V&al-2019 as <i>V. sativa</i> L.
<i>Vicia tenuissima</i> (M.Bieb.) Schinz et Thell.	Fabaceae	T	ME-circ		9, 11	
<i>Vicia villosa</i> Roth	Fabaceae	T	EEUPO		1, 4, 5, 8, 14, 17, 20, 23, 28, 43, 45, 46, 55	V&al-2019
<i>Vinca major</i> L.	Apocynaceae	Ch	CUAD		1, 14, 27, 65, 66*	
<i>Vincetoxicum fuscatum</i> (Hornem.) Reichenb.	Asclepiadaceae	H	SEEU		41, 51, 52	
<i>Vincetoxicum hirundinaria</i> Medik. ssp. <i>adriaticum</i> (Beck) Markgr.	Asclepiadaceae	H	ME-ilade	end, LC, sp	13, 19, 26, 27, 31, 33, 34, 40, 41, 48, 52, 54, 55, 56, 59, 62	V&al-2019
<i>Viola arvensis</i> Murray	Violaceae	T	WISP		2, 14, 16, 17, 20, 24, 25, 27, 29, 37, 42, 44, 47, 48, 65	V&al-2019
<i>Viola hirta</i> L.	Violaceae	H	EUAS		Significant Landscape of Sutina	V&al-2020
<i>Viola kitaibeliana</i> Schultes	Violaceae	T	ME-circ		2, 42	
<i>Viola odorata</i> L.	Violaceae	H	WISP			V&al-2019
<i>Viola reichenbachiana</i> Jord. Ex Boreau	Violaceae	H	EUAS		10, 64	V&al-2019
<i>Viola suavis</i> M.Bieb. ssp. <i>adriatica</i> (Freyn) Haesler	Violaceae	H	ME-ilade	end, sp	10, 36, 53, 57, 66, 67	V&al-2019
<i>Viola tricolor</i> L. ssp. <i>subalpina</i> Gaudin	Violaceae	T	EURO		10, 11, 12, 26	
<i>Vitis vinifera</i> L. ssp. <i>vinifera</i>	Vitaceae	P	CUAD		1, 4, 13*, 15, 16, 20*, 22, 24, 25, 27, 37*, 42*, 43*, 45, 49*, 69*, 70	
<i>Vitis vinifera</i> L. ssp. <i>sylvestris</i> (C. C. Gmel.) Hegi	Vitaceae	P	EUAS		5, 43, 70	
<i>Vulpia bromoides</i> (L.) Gray	Poaceae	T	EUAS		9, 35	
<i>Vulpia ciliata</i> Dumort.	Poaceae	T	SEU-me		1, 23, 43, 45, 55, 66	
<i>Vulpia fasciculata</i> (Forssk.) Samp.	Poaceae	T	ME-atl	NT	20	
<i>Vulpia myuros</i> (L.) C.C.Gmel.	Poaceae	T	WISP		5, 14, 21, 25, 58	
<i>Xanthium spinosum</i> L.	Asteraceae	T	WISP	inv	25	
<i>Xanthium strumarium</i> L. ssp. <i>italicum</i> (Moretti) D. Löve	Asteraceae	T	WISP	inv	1, 22, 23, 28, 43	
<i>Xeranthemum inapertum</i> (L.) Mill.	Asteraceae	T	SEU-po		1, 43, 69*	
<i>Zea mays</i> L.	Poaceae	T	CUAD		1*, 3, 4*, 14, 16*, 21, 22*, 23	

## APPENDIX 2

**Tab. 2.** The plant taxa found only in cultivation on Mt Svilaja (abbreviations are explained in the section Materials and Methods).

Taxon	Family	Life form	Finding sites (Localities)
<i>Actinidia chinensis</i> Planch.	Actinidiaceae	P	70*
<i>Albizia julibrissin</i> Durazz.	Fabaceae	P	5*
<i>Allium sativum</i> L.	Amaryllidaceae	G	14*, 25*, 30*, 37*, 43*
<i>Balsamita major</i> Desf.	Asteraceae	Ch	1*, 23*
<i>Buddleja davidii</i> Franch	Buddlejaceae	P	25*
<i>Buxus sempervirens</i> L.	Buxaceae	P	70*
<i>Canna indica</i> L.	Cannaceae	G	1*
<i>Capsicum annuum</i> L.	Solanaceae	T	3*, 16*, 22*, 24*
<i>Cedrus atlantica</i> (Endl.) Carriere	Pinaceae	P	14*
<i>Cicer arietinum</i> L.	Fabaceae	T	16*, 25*, 28*, 37*
<i>Commelina communis</i> L.	Commelinaceae	G	27*
<i>Cortaderia selloana</i> (Schult. & Schult.f.) Asch. & Graebn.	Poaceae	H	1*
<i>Cucumis sativus</i> L.	Cucurbitaceae	T	1*, 16*, 24*, 70*
<i>Cydonia oblonga</i> Mill.	Rosaceae	P	24*, 37*, 70*
<i>Cylindropuntia imbricata</i> (Haw.) F. M. Knuth	Cactaceae	P	22*
<i>Dahlia variabilis</i> (Willd.) Desf.	Asteraceae	G	23*, 24*
<i>Daucus carota</i> L. ssp. <i>sativus</i> (Hoffm.) Arcang.	Apiaceae	T	16*, 22*, 37*, 70*
<i>Delosperma cooperi</i> (Hook.f.) L.Bolus*	Aizoaceae	Ch	27*
<i>Deutzia scabra</i> Thunb.	Hydrangeaceae	P	14*
<i>Erysimum cheiri</i> (L.) Crantz	Brassicaceae	Ch	27*
<i>Euonymus japonica</i> L. f.	Celastraceae	P	27*, 43*
<i>Euphorbia characias</i> L. ssp. <i>wulfenii</i> (Hoppe ex Koch) A. M. Sm.	Euphorbiaceae	P	43*
<i>Fragaria ananassa</i> Duchesne*	Rosaceae	H	70*
<i>Hibiscus syriacus</i> L.	Malvoaceae	P	4*, 16*, 27*, 66*
<i>Hydrangea macrophylla</i> (Thunb.) Ser.	Hydrangeaceae	P	27*, 69*
<i>Iberis sempervirens</i> L.	Brassicaceae	Ch	70*
<i>Impatiens balfourii</i> Hooker f.	Balsaminaceae	T	27*
<i>Lagenaria vulgaris</i> Ser.	Cucurbitaceae	T	16*
<i>Lavandula x intermedia</i> Emeric ex Loisel.	Lamiaceae	P	1, 37*, 43*, 70*
<i>Limonium sinuatum</i> (L.) Miller*	Plumbaginaceae	H	65*
<i>Lobularia maritima</i> (L.) Desv.	Brassicaceae	H	37*
<i>Petroselinum crispum</i> (Mill.) A. W. Hill	Apiaceae	H	27*, 31*, 37*, 49*, 49, 50*, 70*
<i>Petunia hybrida</i> Vilm.	Solanaceae	T	46*
<i>Phaseolus vulgaris</i> L.	Fabaceae	T	14*, 16*, 25, 27, 37*, 50*
<i>Philadelphus coronarius</i> L.	Hydrangeaceae	P	66*
<i>Photinia x fraseri</i> Dress*	Rosaceae	P	16*
<i>Pisum sativum</i> L. ssp. <i>sativum</i>	Fabaceae	T	16*, 28*, 37*, 47*, 70*
<i>Poinciana gilliesii</i> Hook.	Fabaceae	P	23*
<i>Portulaca grandiflora</i> Hooker	Portulacaceae	T	27*
<i>Prunus armeniaca</i> L.	Rosaceae	P	27*, 37*
<i>Prunus laurocerasus</i> L.	Rosaceae	P	1*, 14*, 16*, 70*
<i>Rhus typhina</i> L.	Anacardiaceae	P	14*, 70*
<i>Ribes rubrum</i> L.	Grossulariaceae	P	32*, 70*
<i>Rosmarinus officinalis</i> L.	Lamiaceae	P	1*, 4*, 16*, 23*, 27*, 37*, 43*, 47*, 47*, 66*
<i>Salix babylonica</i> L.	Salicaceae	P	28*, 69*
<i>Sedum palmeri</i> S.Watson*	Crassulaceae	Ch	27*
<i>Sorghum bicolor</i> (L.) Moench	Poaceae	T	14*, 22*
<i>Symphoricarpos albus</i> (L.) S. F. Blake	Caprifoliaceae	P	13*
<i>Thuja orientalis</i> L.	Cupressaceae	P	65*
<i>Trachycarpus fortunei</i> (Hook.) H.Wendl.*	Arecaceae	P	1*
<i>Triticum aestivum</i> L.	Poaceae	T	3*, 69*
<i>Tropaeolum majus</i> L.	Tropaeolaceae	T	65*
<i>Tulipa gesneriana</i> L.*	Liliaceae	G	30*
<i>Weigela florida</i> (Bigelow) A. DC.	Caprifoliaceae	P	70*
<i>Wisteria sinensis</i> (Sims) Sweet	Fabaceae	P	14*
<i>Yucca gloriosa</i> L.	Agavaceae	P	22*, 46*