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SAXIFRAGA HEDERACEA L. (SAXIFRAGACEAE) – NEW FOR CALABRIA (ITALY)

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In the paper the finding of the taxon *Saxifraga hederacea* L., a new species for the flora of Calabria (Italy) is reported, and its overall area is shown with special reference to its northwestern part. The syntaxonomic interpretation was made of the vegetation within which *S. hederacea* is developed. A special association *Umbilico-Saxifragetum hederaceae* Trinajstić, ass. nov. (*Oxali-Galium murale*, *Parietarietalia judaicae*, *Parietarietea judaicae*) is described.

Key words: *Saxifraga hederacea* L., Flora of Italy, Flora of Croatia

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U radu se objavljuje nalaz taksona *Saxifraga hederacea* L., nove vrste za floru Kalabrije (Italija), te prikazuje sveukupan njen areal s posebnim osvrtom na njegov sjeverozapadni dio. Izvršena je sintaksonomska interpretacija vegetacije u sastavu koje se razvija *S. hederacea*. Opisana je posebna asocijacija *Umbilico-Saxifragetum hederaceae* Trinajstić, ass. nov. (*Oxali-Parietation lusitanicae*, *Parietarietalia judaicae*, *Parietarietea judaicae*).

Ključne riječi: *Saxifraga hederacea* L., flora Italije, flora Hrvatske

INTRODUCTION

During the geobotanical research in the southern parts of Italy, in 1990, in town S. Domenico in Calabria, the species *Saxifraga hederacea* L. was discovered, a new species for that region of Italy. This is the second locality for the species *S. hederacea* on the entire Apennine peninsula. As it is in the part of its area where the only Croatian locality and, in general, the only Adriatic locality (Fig. 1A) of the mentioned species is located, we felt necessary to make this new finding public.

Europaea« (WEBB 1964), and the same sign was kept in the second edition, too (WEBB 1993), although *S. hederacea* is not known from the territory of the present »SR Jugoslavija«. It would, therefore, be correct that in the second edition of the »European flora« in the part of the text concerning the distribution of the species *S. hederacea* (cf. WEBB 1993) the sign »Ju« was replaced by the sign »Hrv«, and »Ju« deleted as nonexistent. It is also interesting to say that since 1887. *S. hederacea* has not been found in the Croatian littoral any more.

PLANTSOCIOLOGICAL ANALYSIS OF THE STANDS OF *SAXIFRAGA HEDERACEA*

In the town S. Domanico in Calabria, *Saxifraga hederacea* grows on shady old walls and makes part of the vegetation of the order *Parietarietalia judaicae*. There it builds a separate association which we named Ass. *Umbilico-Saxifragetum hederaceae*. The floral composition of the mentioned association is shown in table 1., made on the basis of 3 plantsociological records.

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Table 1. Ass. *Umbilico-Saxifragetum hederaceae* Trinajstić, ass. nov.

Nr of veget. record:	1*	2	3
Size of veget. record:	2	2	2
Char. Ass.:			
<i>Saxifraga hederacea</i>	2.3	1.3	3.3
Char. All., Order, Class:			
<i>Parietaria judaica</i>	3.4	3.3	2.3
<i>Umbilicus rupestris</i>	1.1	1.1	1.1
<i>Umbilicus horizontalis</i>	2.1	.	.
<i>Thelygonum cynocrambe</i>	+2	.	.
<i>Veronica cymbalaria</i>	.	.	+2
Comp.:			
<i>Galium lucidum</i>	2.1	1.1	1.1
<i>Sonchus oleraceus</i>	+	+2	.
<i>Geranium columbinum</i>	2.1	.	.
<i>Asplenium trichomanes</i>	+2	.	.
<i>Dryopteris pallida</i>	.	+2	.
<i>Hedera helix</i>	.	+2	.
<i>Lamium album</i>	.	.	+2
<i>Galium aparine</i>	.	.	+

*Holosyntypus

Syntaxonomy: All. *Parietario-Galium murale* Rivas-Martinez 1960

Order *Parietarietalia judaicae* Rivas-Martinez 1960

Class *Parietarietea judaicae* Rivas-Martinez ap. Rivas-Goday 1955

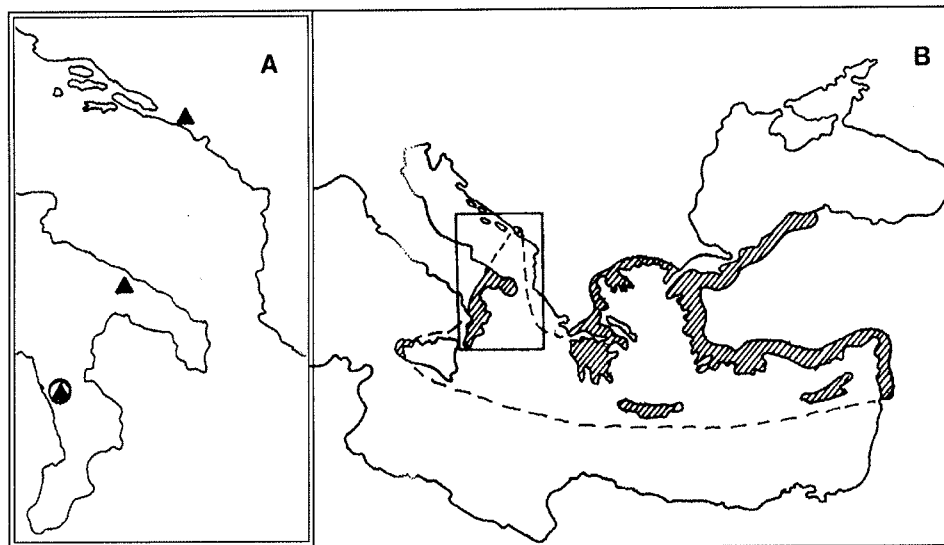


Fig. 1. A-Italian and Croatian localities, and B-General distribution of the species *Saxifraga hederacea* L.

Sl. 1. A-Talijansko-hrvatska nalazišta i B-Opća rasprostranjenost vrste *Saxifraga hederacea* L.

SAXIFRAGA HEDERACEA L. IN THE NORTHWESTERN PART OF THE AREA

Having in view the distribution of numerous so far discovered localities reported first by ENGLER & IRMSCHER (1916) and much later by RECHINGER fil. (1943), then by WEBB (1972), as well as with respects to its general distribution (Fig. 1B), *Saxifraga hederacea* is a typical East Mediterranean species. The centre of its area is in the Aegean littoral and on the coasts of Asia Minor, Syria and Lebanon. In the West, it extends to Italy, where until recently it has been known solely from Sicily (cf. FIORI 1924, WEBB 1964, 1993, PIGNATTI 1982). Only recently *S. hederacea* has been discovered on the Apennine peninsula as well, where it was reported for Parco Comunale della Pinelle near the town of Martina Franca in Apulia (BIANCO & al. 1987), as the »Specie nuova per l'Italia peninsulare«. It is interesting to emphasize that ENGLER & IRMSCHER (1916) published its only so far discovered locality in the Croatian littoral, which refers to the herbarial material of the species *S. hederacea* collected by Pichler in 1887., at the village of Brgud above Dubrovnik in Dalmatia and kept in the herbarium of the Berlin Botanical Institute and Garden (Hb B). That detail was unknown to HAYEK (1925: 635) since the only area of distribution of the species *S. hederacea* on the Balkan peninsula indicated by him are »Ma, Jon, Gr, Cycl., Cre, Kpt« (Macedonia, Jonia, Graecia, Cyclades, Creta, Karpathos). Moreover, this only Croatian locality is referred to by the sign »Ju« in the first edition of »Flora

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SAŽETAK

Saxifraga hederacea L. – nova za Kalabriju (Italija)

I. Trinajstić

Tijekom geobotaničkih istraživanja u južnim dijelovima Italije otkrivena je u gradiću S. Domanico u Kalabriji vrsta *Saxifraga hederacea* L., nova vrsta za tu talijansku pokrajinu. To je u svemu i drugo nalazište te vrste na čitavom Apeninskom poluotoku (sl. 1A).

S obzirom na opću rasprostranjenost (usp. ENGLER & IRMSCHER 1916, RECHINGER fil. 1943, WEBB 1972) *S. hederacea* je tipična istočnomediteranska vrsta (sl. 1B). Središte njena areala nalazi se u Egejskom primorju i na obalama Male Azije, Sirije i Libanona, a na zapad se širi do Italije, gdje je sve do nedavno bila poznata samo sa Sicilije (usp. FIORI 1924, WEBB 1964, 1993, PIGNATTI 1982). Tek nedavno otkrivena je *S. hederacea* i na Apeninskom poluotoku, gdje je zabilježena za Parco Comunale della Pinelle kod grada Martina Franca u Apuliji (Bianco & al. 1987) kao »Specie nuova per l'Italia peninsulare«.

Zanimljivo je naglasiti da ENGLER & IRMSCHER (1916) objavljuju i jedino njeno dosad otkriveno nalazište, u Hrvatskom primorju, a odnosi se na herbarski materijal vrste *S. hederacea* koji je sabrao Pichler 1887. godine u selu Brgudu povrh Dubrovnika u Dalmaciji, a čuva se u herbaru Berlinskog botaničkog instituta i vrta (Hb B). Taj podatak nije bio poznat HAYEKU (1925: 635), jer on kao područje rasprostranjenosti vrste *S. hederacea* na Balkanskom poluotoku navodi samo »Ma, Jon, Gr, Cycl, Cre, Kpt«. Na jedino hrvatsko nalazište odnosi se i oznaka »Ju« u prvom izdanju edicije »Flora Europaea« (WEBB 1964), a ta je oznaka zadržana i u drugom

izdanju (WEBB 1993), iako *S. hederacea* nije poznata iz područja današnje »SR Jugoslavije«, pa bi bilo korektno da je u drugom izdanju »Europske flore«, svagdje gdje se radi o rasprostranjenosti pojedinih taksona, kad je riječ o hrvatskoj flori, stavi oznaka »Hr«. Kako je *S. hederacea* u ovom dijelu Europe poznata jedino iz Hrvatske, trebat će »Ju« brisati kao nepostojeće. Isto je tako zanimljivo naglasiti da nakon 1887. godine *S. hederacea* nije više bila pronađena nigdje u Hrvatskom primorju, a nije niti je bilo potvrđeno jedino njeno nalazište.

