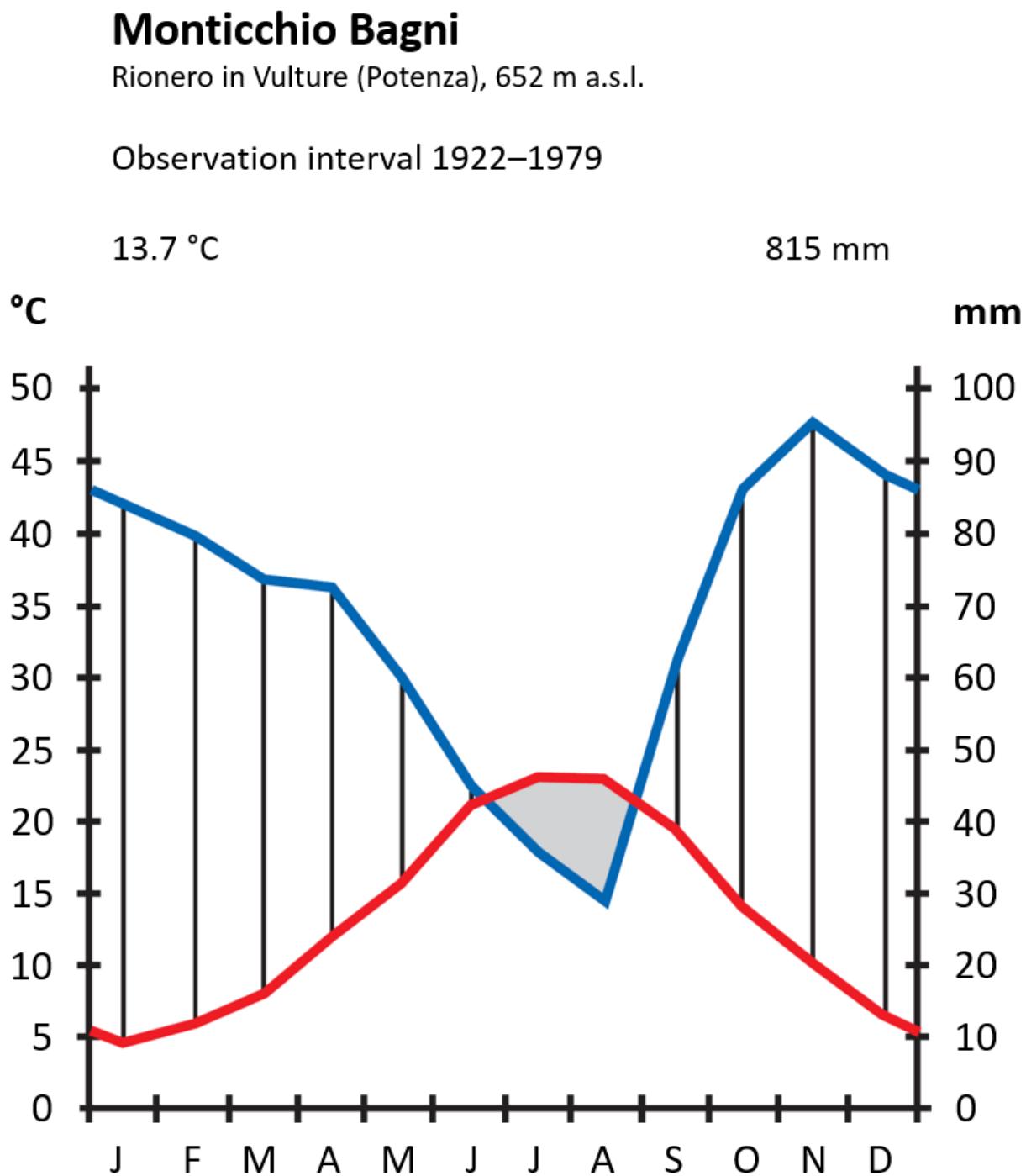


S1. Thermo-pluviometric diagram of the representative station of Monticchio Bagni. Blue line refers to average monthly rainfall trend, while red line refers to average monthly temperature trend (from Spicciarelli 2013).



S2. List of the sampling sites and relative details.

Site nr.	Locality	Municipality	Province	Region	Protected areas	Main environments	Altitudinal range (m a.s.l.)	Geographic coordinates (decimal degrees WGS84)	Sampling dates
1	Parco Archeologico di Carbonara	Aquilonia	Avellino	Campania	-	Ruderal and rocky environments	600–675	40.994885 N 15.488252 E	13 May 2015* 3 June 2015
2	Lago di San Pietro	Monteverde	Avellino	Campania	SIC IT8040008 “Lago di S. Pietro - Aquilaverde”	Freshwaters, river banks and young broadleaved forests	435–460	41.008615 N 15.504538 E	13 May 2015* 3 June 2015
3	Fontanelle	Monteverde	Avellino	Campania	-	Uncultivated and arable lands	615–620	41.025474 N 15.515729 E	3 June 2015
4	Incoronata	Monteverde	Avellino	Campania	-	Young broadleaved woods and rocky slopes	690–724	40.994826 N 15.530198 E	3 June 2015

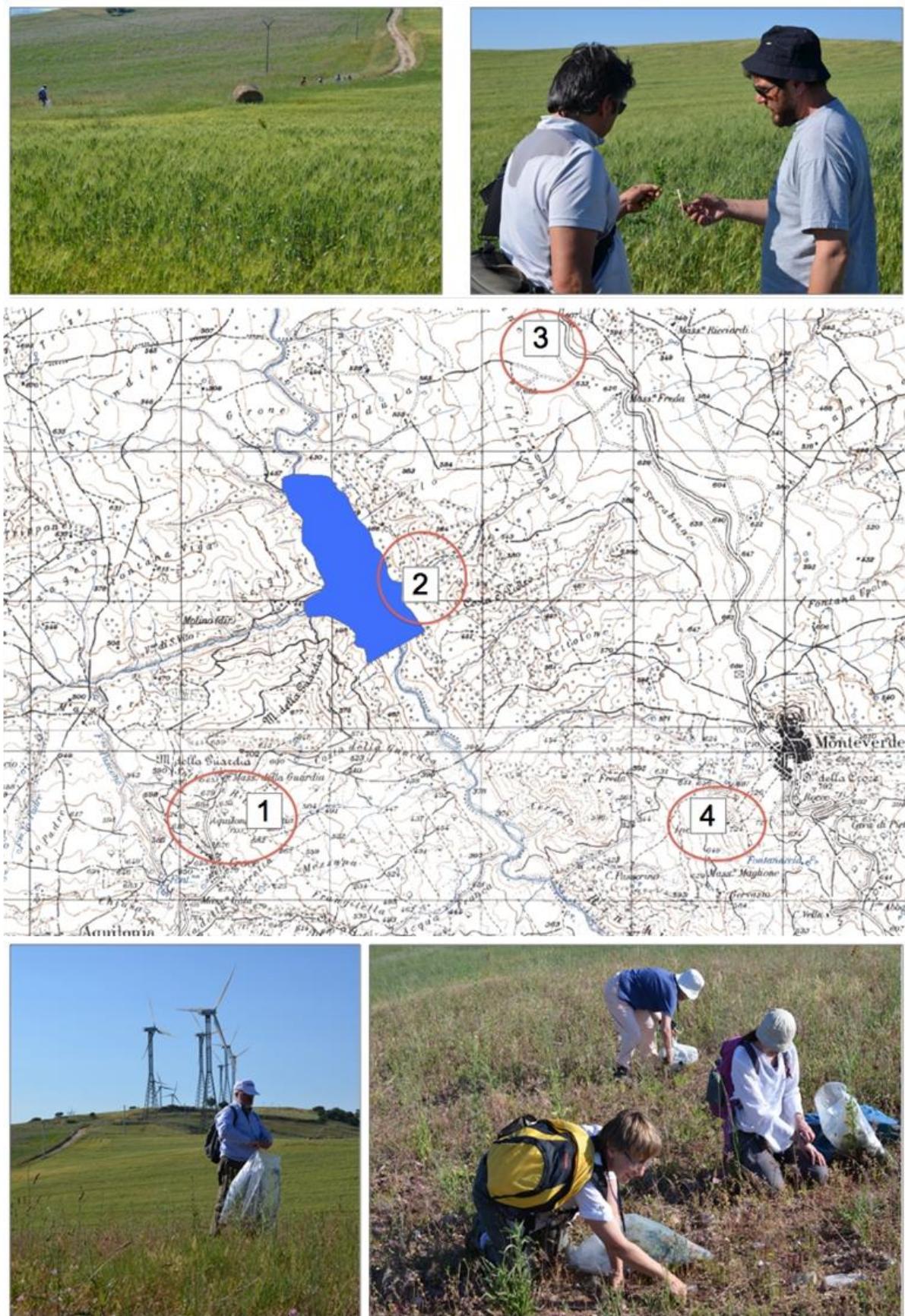
5 CAM	Fiume Ofanto	Aquilonia	Avellino	Campania	-	Young broadleaved and clearings woods	280–300	40.964797 N 15.561604 E	3 June 2015
5 BAS	Fiume Ofanto	Melfi	Potenza	Basilicata	-	Riparian environments and uncultivated lands	275–280	40.965749 N 15.564001 E	3 June 2015
6	Pila di Cuccari	Bisaccia	Avellino	Campania	-	Broadleaved woods and ruderal environments	810–830	40.994979 N 15.403184 E	27 May 2015*
7	Vallone San Nicola	Trevico	Avellino	Campania	ZPS IT8040022 “Boschi e sorgenti della Baronia”	Broadleaved woods, dry grasslands, rocky and wet environments	710–930	41.036798 N 15.218477 E	13 May 2015* 4 June 2015
8	Ferrelli	Bisaccia	Avellino	Campania	-	Badlands and dry grasslands	650–850	41.018212 N 15.368002 E	4 June 2015
9	Fiumara di Atella	Atella	Potenza	Basilicata	ZSC IT9210140 “Grotticelle di Monticchio”	Riparian environments and badlands	305–380	40.917036 N 15.538577	18 December 2014*

10	Serra della Frasca	Aquilonia	Avellino	Campania	-	Broadleaved woods, uncultivated and arable lands	780–820	40.987719 N 15.451715 E	4 June 2015
11	Passo delle Crocelle	San Fele	Potenza	Basilicata	-	Grasslands and shrublands	1120–1130	40.785283 N 15.567900 E	5 June 2015
12	Monte Pierno	San Fele	Potenza	Basilicata	-	Beech forests, broadleaved woods, grasslands and calcareous cliffs	1075–1268	40.786208 N 15.607363 E	5 June 2015
13	Monte Santa Croce	Bella	Potenza	Basilicata	-	Beech forests, grasslands and siliceous cliffs	1150–1407	40.779251 N 15.586881 E	5 June 2015
14	Bosco Pescò di Rago	Aquilonia	Avellino	Campania	SIC IT8040005 “Bosco di Zampaglione (Calitri)”	Dry grasslands with <i>Phillyrea latifolia</i>	360–390	40.941129 N 15.533866 E	6 June 2015*
15	Madonna di Pierno	San Fele	Potenza	Basilicata	-	Broadleaved woods, uncultivated lands and calcareous cliffs	970–985	40.790334 N 15.603963 E	5 June 2015

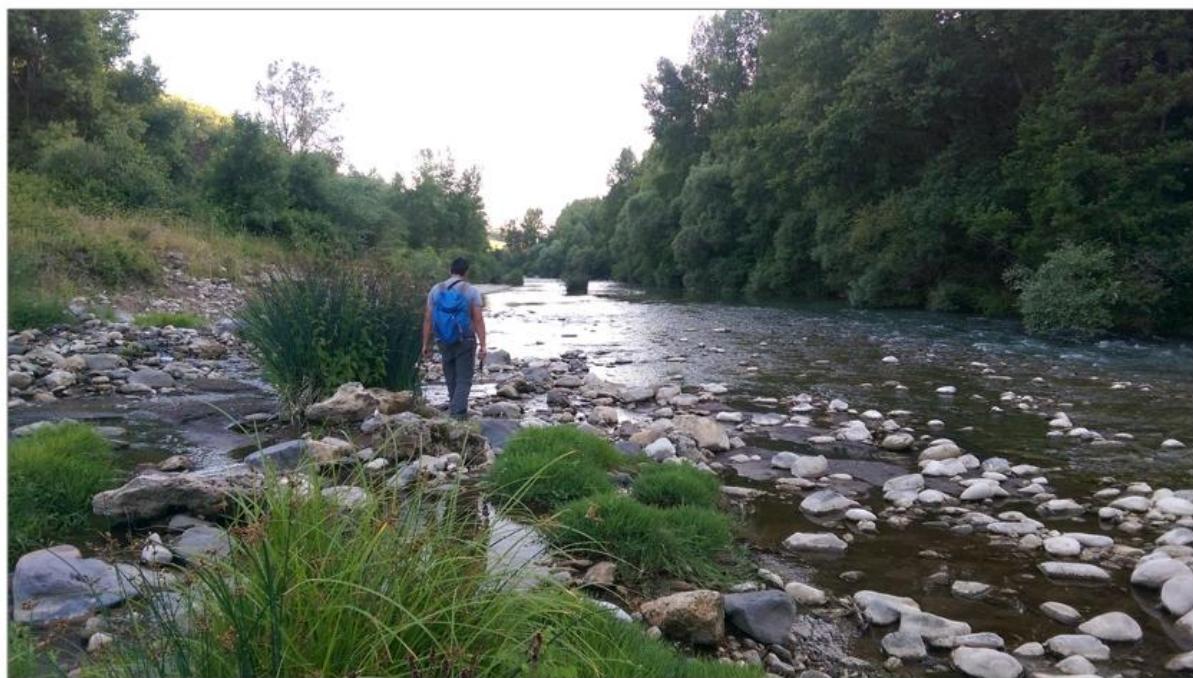
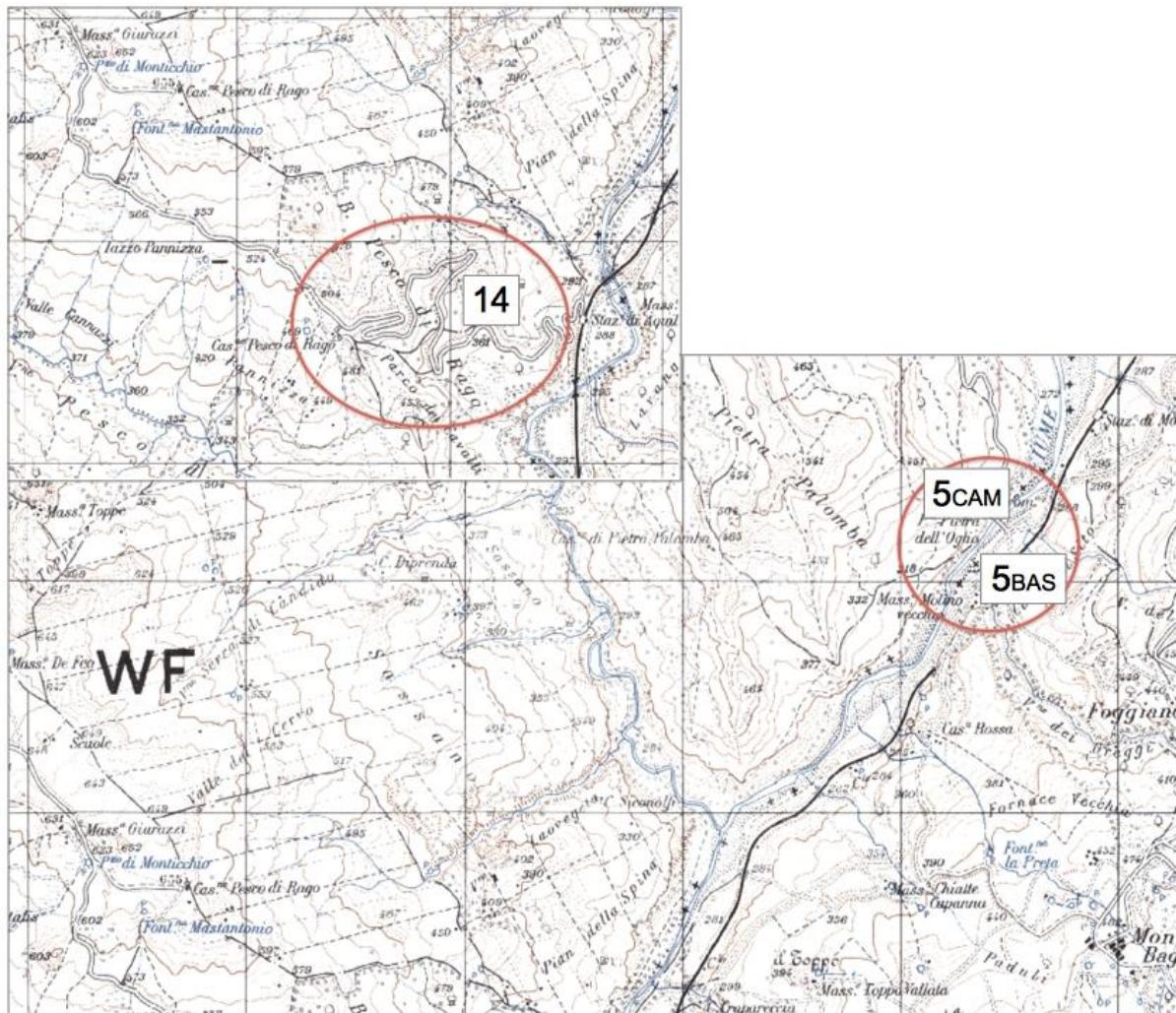
16	Monte Castello	San Fele	Potenza	Basilicata	Vulture Regional Park	Synanthropic and rocky environments, dry grasslands on siliceous rocks	875–937	40.821639 N 15.540200 E	5 June 2015
18	Il Castello	Rionero in Vulture	Potenza	Basilicata	ZSC IT9210140 “Grotticelle di Monticchio” Grotticelle Oriented Nature Reserve	Broadleaved woods and arable lands	550–719	40.925659 N 15.555417 E	22 April 2015* 6 June 2015
20	Abitato di Aquilonia	Aquilonia	Avellino	Campania	-	Synanthropic environments	750–760	40.987168 N 15.468009 E	3–6 June 2015

* Only the organizers participated in this survey.

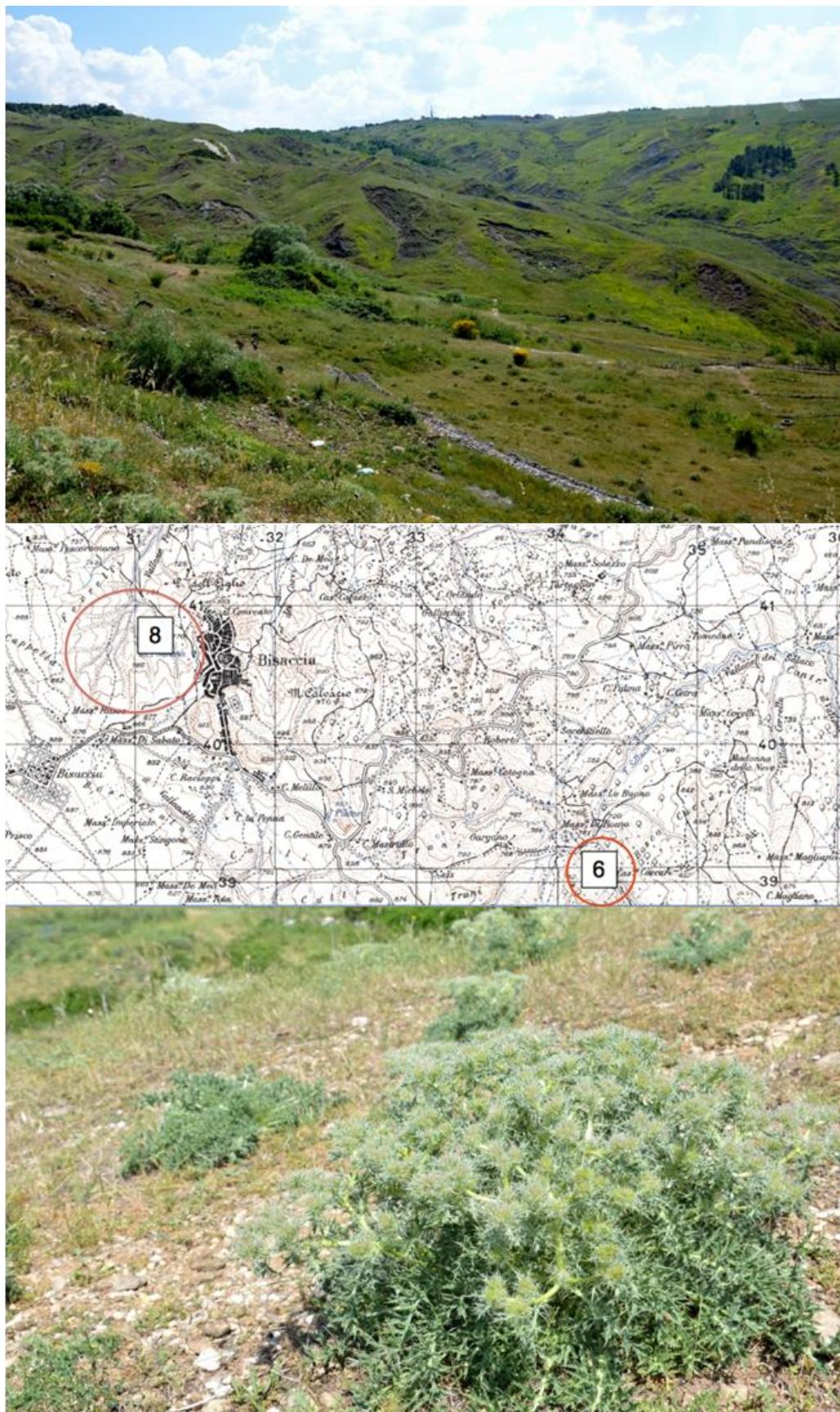
S3_1. Topographic map (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) of sampling sites Nr. 1, 2, 3 and 4. Landscape and surveyors of sampling site Nr. 3. Photos by L. Rosati.



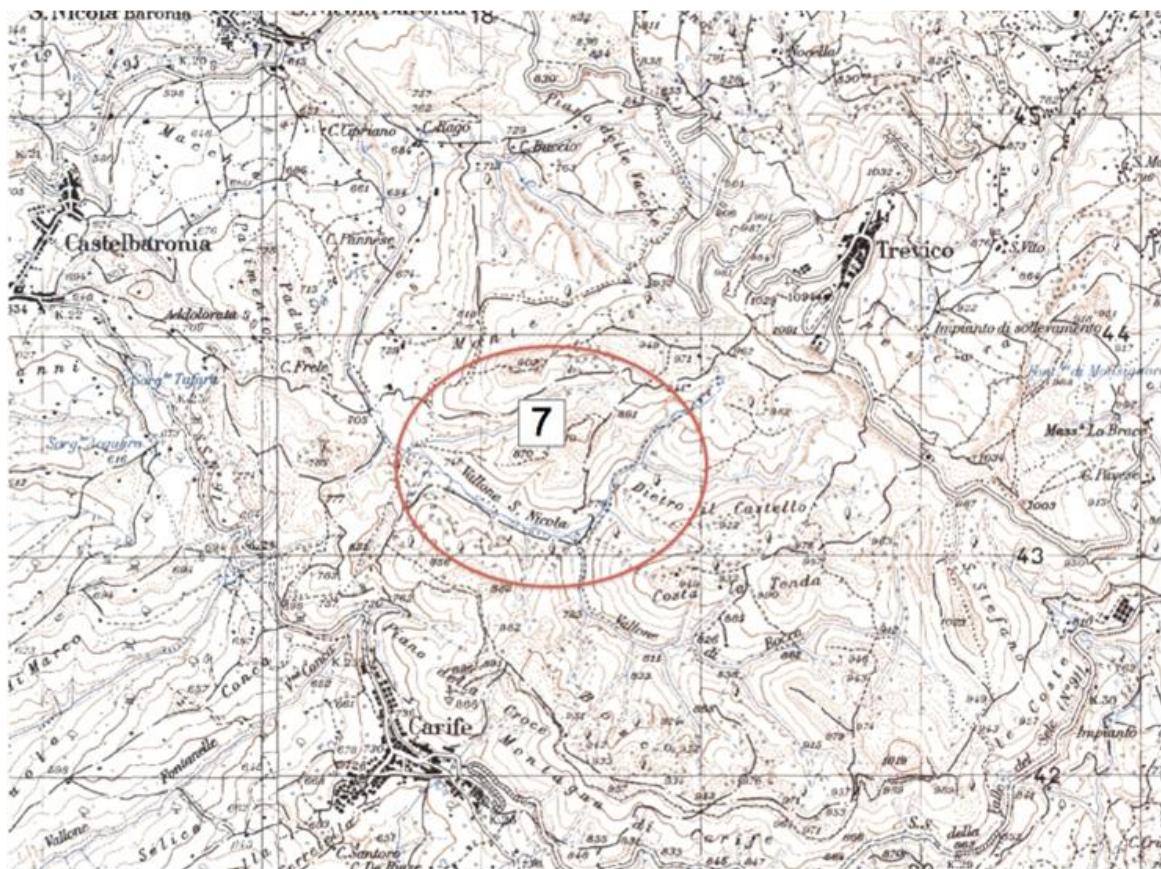
S3_2. Topographic maps (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) of sampling sites Nr. 5 CAM, 5 BAS and 14. Landscape and surveyor of sampling site Nr. 5 BAS. Photo by D. Bouvet.



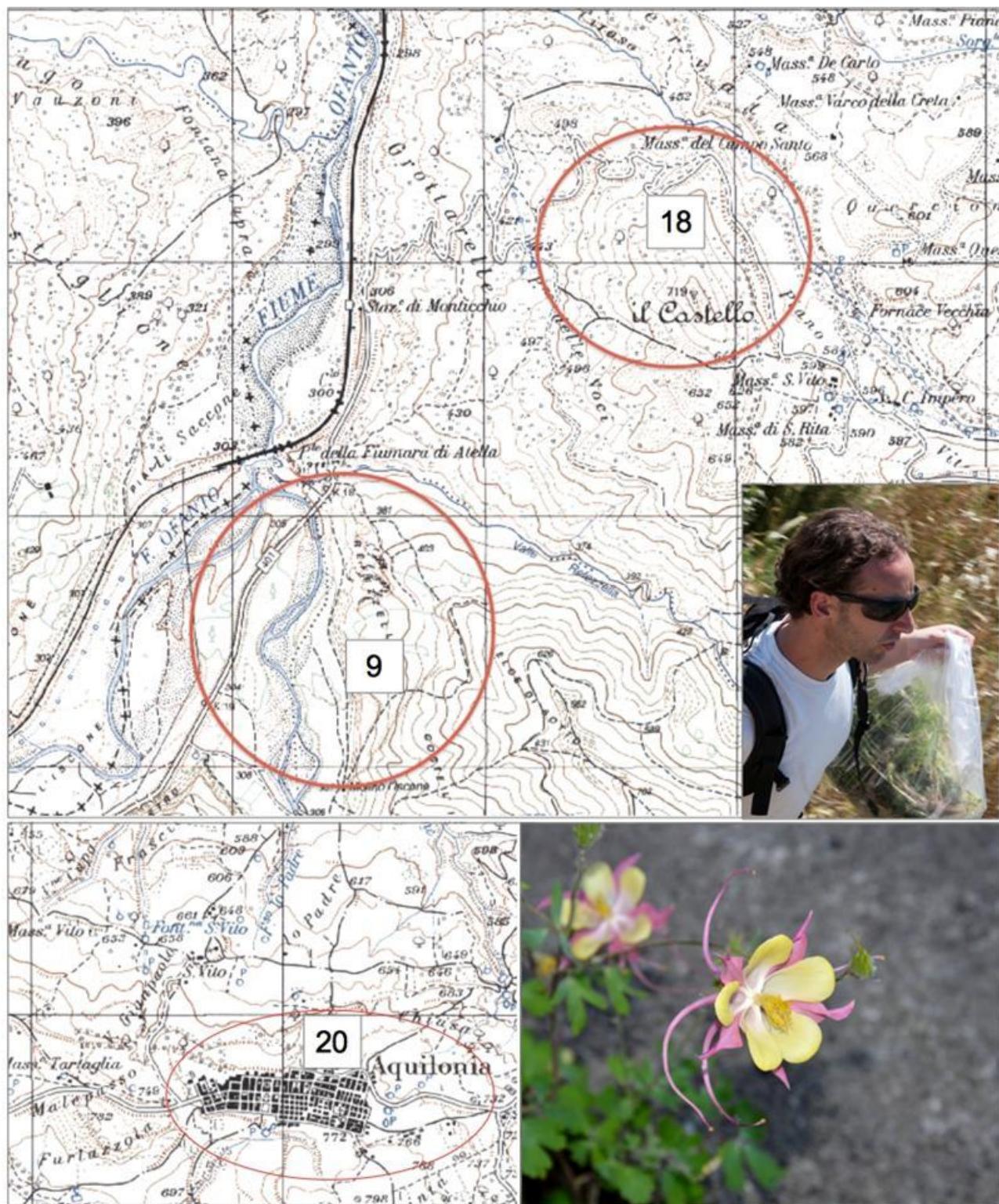
S3_3. Topographic map (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) of sampling site Nr. 6 and 8. Landscape of sampling sites Nr. 8 (upper). *Cardopatium corymbosum* (L.) Pers. collected at sampling site Nr. 8 (bottom). Photos by A. Stinca.



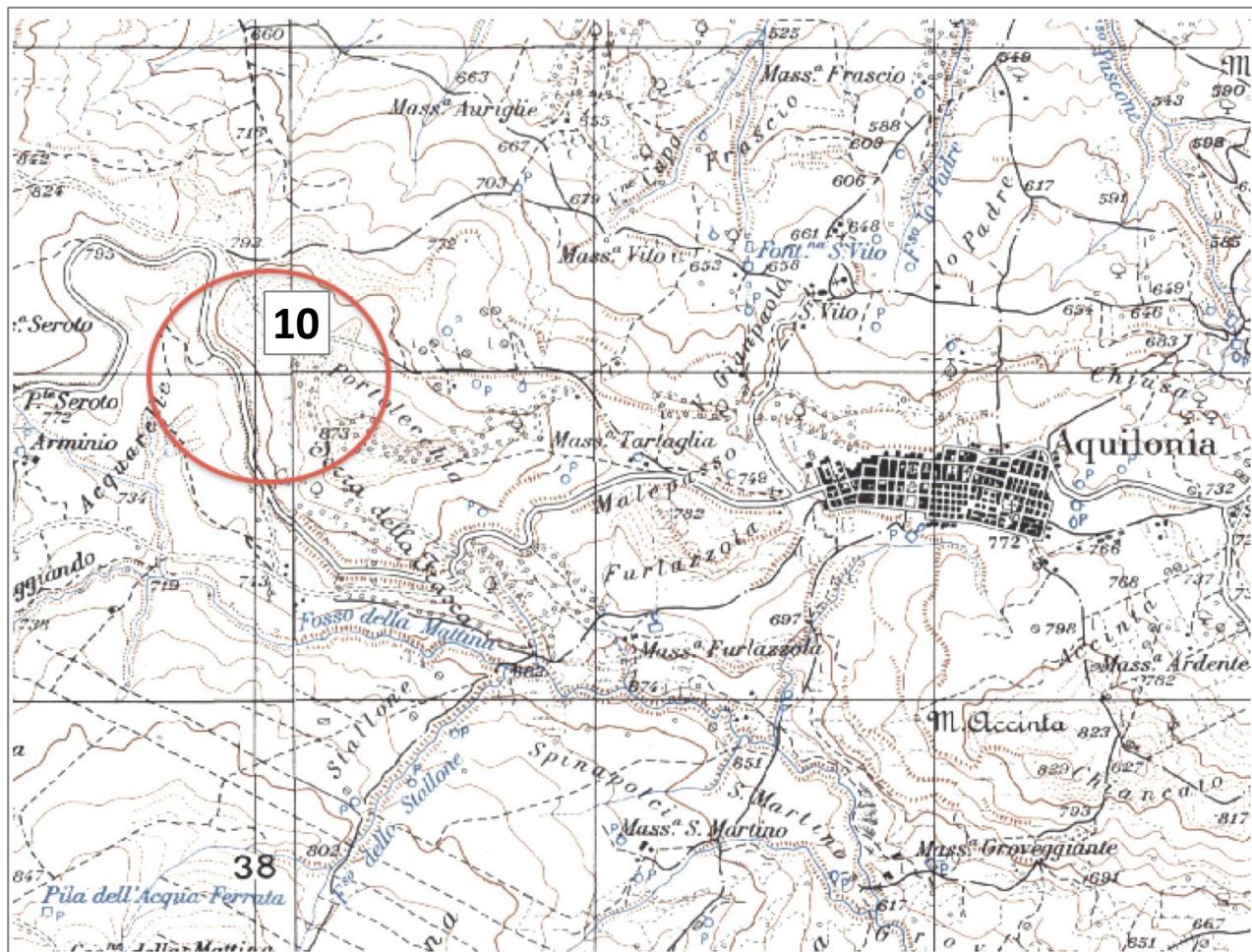
S3_4. Topographic map (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) and some plants collected at sampling site Nr. 7: *Melittis melissophyllum* L. subsp. *albida* (Guss.) P.W.Ball (left); *Hyoscyamus niger* L. (right). Photos by L. Rosati.



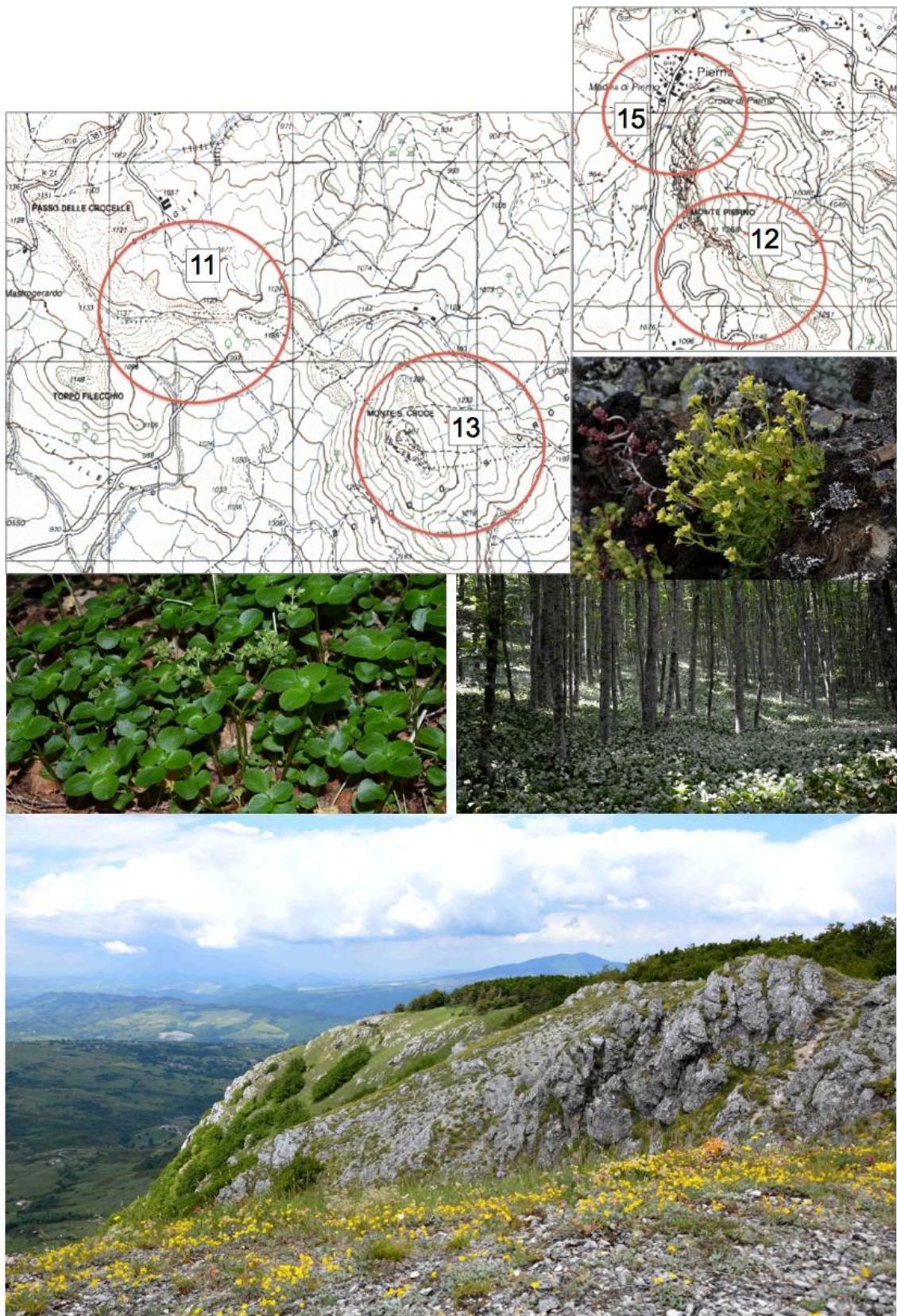
S3_5. Topographic maps (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) of sampling sites Nr. 9, 18 and 20. Surveyor of sampling site Nr. 18 (upper). *Aquilegia coerulea* E.James collected at sampling site Nr. 20 (bottom). Photos by V.A. Romano and A. Stinca.



S3_6. Topographic map (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) and landscape of sampling site Nr. 10. Photo by D. Bouvet.



S3_7. Topographic maps (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km) of sampling site Nr. 11, 12, 13 and 15. Some plants collected at sampling site Nr. 13: *Saxifraga exarata* Vill. s.l. (upper right), *Chrysosplenium dubium* J.Gay ex Ser. (left), beech forest with *Allium ursinum* L. (right). At the bottom, landscape of the sampling site Nr. 12. Photos by A. Stinca.



S3_8. Topographic map (from Italian Military Geographic Institute, original scale 1:25,000, grid of 1×1 km), landscape and surveyor of sampling site Nr. 16. Photos by D. Bouvet and A. Stinca.



S4. Botanists participating at the field survey in eastern Irpinia and Vulture-Melfese area. At the bottom the group that has sampled the site Nr. 13. Photo by V.A. Romano.



S5. Playbills of the two workshops held in 2016 in Portici (Library of Agriculture and Department of Agricultural Sciences of the University of Naples Federico II) and Barisciano (Apennine Floristic Research Center) to revise the critical samples collected during the field survey in eastern Irpinia and Vulture-Melfese area. At the bottom, botanists participating at the workshop held in Portici during the walk in the Botanical Garden.

**Irpinia orientale 2015
Portici 2016**

Workshop del Gruppo per la
Floristica, Sistematica ed Evoluzione
della Società Botanica Italiana

**Identificazione dei gruppi
sistematici critici rilevati nel
corso dell'escursione di
studio in Irpinia orientale
(Campania e Basilicata)
del 2015**

Organizzatori
Adriano Stinca
Leonardo Rosati
Giovanni Salerno
Simonetta Fasceri
Antonio Vito Romano
Maria Ravo
Giuseppina Chianese
Giuseppe D'Auria

Biblioteca di Area Agraria
Reggia di Portici
Via Università 100, Portici (Napoli)

Programma

3 marzo 2016
8:30-11:00 Revisione gruppi critici
11:00-11:15 Saluti del prof. Massimo Cicali
11:15-12:30 Visita all'Orto Botanico di Portici
Saluti del prof. Stefano Mazzoleni
Direttore Centro Museo
12:30-13:30 Pranzo
13:30-14:00 Revisione gruppi critici
14-15:00 Visita all'Orto Botanico di Portici
Revisione gruppi critici

4 marzo 2016
8:30-11:00 Revisione gruppi critici
11:00-12:30 Pausa pranzo
13:30-19:30 Revisione gruppi critici

5 marzo 2016
8:30-18:00 Escursione in Penisola Sorrentina



**Irpinia orientale 2015
Barisciano 2016**

Workshop del Gruppo per la
Floristica, Sistematica ed Evoluzione
della Società Botanica Italiana
- seconda fase -

**Identificazione dei gruppi
sistematici critici rilevati nel
corso dell'escursione di studio
in Irpinia orientale
(Campania e Basilicata)
del 2015**

Organizzatori del workshop
Adriano Stinca
Fabio Conti
Fabrizio Bartolucci

Organizzatori dell'escursione in Irpinia orientale
Adriano Stinca
Leonardo Rosati
Giovanni Salerno
Simonetta Fasceri
Antonio Vito Romano
Maria Ravo
Giuseppina Chianese
Giuseppe D'Auria

Centro Ricerche Floristiche dell'Appennino
Parco Nazionale del Gran Sasso e Monti della Laga
Università di Camerino
Strada Provinciale km 4,2
Barisciano (L'Aquila)

Programma

4 aprile 2016
9:00-13:00 Revisione gruppi critici
13:00-13:30 Pausa pranzo
13:30-19:00 Revisione gruppi critici

5 aprile 2016
9:00-13:00 Revisione gruppi critici
13:00-13:30 Pausa pranzo
13:30-19:00 Revisione gruppi critici







S6_1. Public herbaria in which the collected exsiccati are kept.

Herbarium code	Herbarium name	Institution	Location
APP	Herbarium Apenninicum	Centro Ricerche Floristiche dell'Appennino	Località San Colombo, Via Provinciale km 4.2, 67021 Barisciano (L'Aquila), Italy
BI	Herbarium Horti Botanici Barensis	Università di Bari Aldo Moro	Via E. Orabona 4, 70126 Bari, Italy
CLU	Erbario Università della Calabria	Università della Calabria	Via P. Bucci snc, 87030 Arcavacata di Rende (Cosenza), Italy
GE	Herbarium Universitatis Genuensis	Università di Genova	CORSO DOGALI 1M, 16136 Genova, Italy
HFLA	Herbarium Flaminio	Università di Roma La Sapienza	Via E. Gianturco 2, 00196 Roma, Italy
HLUC	Herbarium Lucanum	Università della Basilicata	Via Ateneo Lucano 10, 85100 Potenza, Italy
IS	Herbarium Universitatis Aeserniae	Università del Molise	Contrada Fonte Lappone, 86090 Pesche (Isernia), Italy
PAD	Herbarium Patavinum	Università di Padova	Via Orto Botanico 15, 35123 Padova, Italy
PI	Herbarium Horti Botanici Pisani	Università di Pisa	Via L. Ghini 13, 56126 Pisa, Italy
PORUN- Herb. Stinca	Herbarium Porticense- Herbarium Adriano Stinca	Università di Napoli Federico II	Via Università 100, 80055 Portici (Napoli), Italy
SIENA	Herbarium Universitatis Senensis	Università di Siena	Via P.A. Mattioli 4, 53100 Siena, Italy
TO	Herbarium Universitatis Taurinensis	Università di Torino	Viale P.A. Mattioli 25, 10125 Torino, Italy
UTV	Erbario Università della Tuscia	Università della Tuscia	Via S. Camillo de Lellis, 01100 Viterbo, Italy

S6_2. Private herbaria in which the collected exsiccata are kept.

Herbarium code	Herbarium name	Location
Herb. Cancellieri	Herbarium Laura Cancellieri	Roma, Italy
Herb. Carli	Herbarium Emanuela Carli	Roma, Italy
Herb. Caruso	Herbarium Giuseppe Caruso	Catanzaro, Italy
Herb. Gangale & Uzunov	Herbarium Carmen Gangale & Dimitar Uzunov	Cosenza, Italy
Herb. Lattanzi	Herbarium Edda Lattanzi	Roma, Italy
Herb. Majella	Herbarium Parco Nazionale della Majella	Sant'Eufemia a Majella (Pescara), Italy
Herb. Salerno	Herbarium Giovanni Salerno	Tivoli (Roma), Italy
Herb. Tilia	Herbarium Agnese Tilia	Roma, Italy

S7. Floristic list of taxa surveyed in the eastern Irpinia and Vulture-Melfese area with the number of sampling sites in bold (Supplementary material S2) and herbaria (Supplementary materials S6_1–2) (“+EU” = taxon recorded for the first time in Europe; “+IT” = taxon recorded for the first time in Italy; “+CAM**” = taxon recorded for the first time in Campania; “+BAS**” = taxon recorded for the first time in Basilicata; “+CAM*” = taxon confirmed for the flora of Campania; “E” = Italian endemic taxon [Peruzzi et al. 2014, 2015, Bartolucci et al. 2108a]; “A CAS” = casual alien taxon; “A NAT” = naturalized alien taxon; “A INV” = invasive alien taxon; “C” = cryptogenic taxon; “NEO” = neophyte taxon; “ARC” = archaeophyte taxon [Bartolucci et al. 2018a, Galasso et al. 2018a]).

ALISMATACEAE

***Alisma lanceolatum* With.**

2 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

5 BAS APP

Note - This taxon was recently confirmed for Campania and reported in the study area by Nicolella et al. (2017): “Invaso San Pietro a Monteverde (AV)”. Few months later it was reported in Campania at Padula also by Rosati et al. (2017).

***Alisma plantago-aquatica* L.**

2 PORUN-Herb. Stinca

AMARANTHACEAE

A INV (CAM)
NEO

***Amaranthus retroflexus* L.**

5 CAM HFLA

AMARYLLIDACEAE

***Allium pendulinum* Ten.**

13 Herb. Gangale & Uzunov

18 PORUN-Herb. Stinca

***Allium polyanthum* Schult. & Schult.f.**

[– *A. ampeloprasum* auct. Fl. Ital. p.p.]

1 PI

2 Herb. Gangale & Uzunov

3 APP, Herb. Cancellieri, PORUN-Herb. Stinca, SIENA

18 HLUC

Allium ursinum L.

[= *A. ursinum* L. subsp. *ucrainicum* Oksner & Kleopow]

12 Herb. Caruso, HLUC

13 HLUC, PORUN-Herb. Stinca

Allium vineale L.

11 HLUC

16 UTV

Narcissus tazetta L. subsp. *tazetta*

3 PORUN-Herb. Stinca

APIACEAE

Anthriscus nemorosa (M.Bieb.) Spreng.

1 HLUC

13 Herb. Cancellieri

16 PORUN-Herb. Stinca

18 PI, PORUN-Herb. Stinca

Bifora testiculata (L.) Spreng.

10 PORUN-Herb. Stinca

Bunium bulbocastanum L.

13 Herb. Gangale & Uzunov

Bupleurum baldense Turra

3 APP, GE, Herb. Salerno, PAD, SIENA, UTV

12 IS

16 Herb. Gangale & Uzunov, PORUN-Herb. Stinca, UTV

Bupleurum subovatum Link ex Spreng.

1 UTV

7 PAD

20 PORUN-Herb. Stinca

Note - This taxon was recently confirmed for Campania and reported in the study area by Del Guacchio (2007): “Monteverde (Avellino), strada dal lago di S. Pietro”.

+CAM**

Cachrys libanotis L.

5 CAM HLUC

Chaerophyllum aureum L.

13 APP

+CAM*

Chaerophyllum nodosum (L.) Crantz

[≡ *Myrrhoides nodosa* (L.) Cannon]

1 CLU, PI, UTV

7 Herb. Cancellieri

13 Herb. Gangale & Uzunov

Chaerophyllum temulum L.

1 CLU, PI, PORUN-Herb. Stinca

5 BAS PORUN-Herb. Stinca

7 Herb. Gangale & Uzunov

10 Herb. Gangale & Uzunov, HFLA

12 HLUC

Eryngium campestre L.

4 PORUN-Herb. Stinca

Ferula communis L. subsp. *communis*

13 Herb. Gangale & Uzunov

Ferula glauca L.

16 PORUN-Herb. Stinca, SIENA

18 Herb. Gangale & Uzunov

***Ferulago sylvatica* (Besser) Rchb.**

11 PAD

12 APP, BI, CLU, Herb. Carli, Herb. Lattanzi, Herb. Salerno, Herb. Tilia, HLUC, PAD, PI, PORUN-Herb. Stinca, SIENA, UTV

13 Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA

15 IS

***Foeniculum vulgare* Mill. s.l.**

1 SIENA

Note - The specimens collected are incomplete and do not allow to identify the subspecies.

Helosciadium nodiflorum* (L.) W.D.J.Koch subsp. *nodiflorum

[≡ *Apium nodiflorum* (L.) Lag.]

5 BAS APP, Herb. Salerno, PAD, SIENA

8 Herb. Caruso

***Oenanthe pimpinelloides* L.**

4 PORUN-Herb. Stinca

5 CAM HLUC

8 APP

18 Herb. Gangale & Uzunov, HLUC

***Opopanax chironium* (L.) W.D.J.Koch**

2 Herb. Gangale & Uzunov

7 HLUC

10 UTV

16 PORUN-Herb. Stinca

18 PORUN-Herb. Stinca

***Orlaya grandiflora* (L.) Hoffm.**

2 Herb. Caruso

***Orlaya platycarpos* W.D.J.Koch**

[– *O. daucooides* auct.; = *O. kochii* Heywood, nom. illeg.]

1 Herb. Gangale & Uzunov

4 PORUN-Herb. Stinca

7 APP, CLU, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, Herb. Tilia, HLUC, PORUN-Herb. Stinca, UTV

8 PI

10 HLUC

16 Herb. Gangale & Uzunov, SIENA

A CAS (BAS)

ARC

***Petroselinum crispum* (Mill.) Fuss**

16 PORUN-Herb. Stinca

***Physospermum verticillatum* (Waldst. & Kit.) Vis.**

6 PORUN-Herb. Stinca

12 HLUC

13 HFLA

15 IS

***Pimpinella peregrina* L.**

1 Herb. Majella

2 Herb. Gangale & Uzunov

***Prangos ferulacea* (L.) Lindl**

[≡ *Cachrys ferulacea* (L.) Calest.]

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

***Sanicula europaea* L.**

12 HLUC

16 PI

Scandix pecten-veneris* L. subsp. *pecten-veneris

1 PORUN-Herb. Stinca

2 APP

10 UTV

16 APP

Seseli montanum L. subsp. *montanum*

16 Herb. Majella, PORUN-Herb. Stinca

E

Siler montanum Crantz subsp. *siculum* (Spreng.) Iamonico, Bartolucci & F.Conti

13 APP, GE, PORUN-Herb. Stinca

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Smyrnium perfoliatum L. subsp. *perfoliatum*

12 Herb. Salerno

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca

18 BI, GE, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca, SIENA

Thapsia asclepium L.

[≡ *Elaeoselinum asclepium* (L.) Bertol.]

12 Herb. Salerno, PORUN-Herb. Stinca

Thapsia garganica L. subsp. *garganica*

13 GE

Tordylium apulum L.

1 Herb. Gangale & Uzunov, PORUN-Herb. Stinca, SIENA

7 BI

Tordylium maximum L.

1 CLU, Herb. Salerno

4 Herb. Gangale & Uzunov

10 Herb. Lattanzi

11 Herb. Salerno

***Torilis africana* Spreng.**

[= *T. arvensis* (Huds.) Link subsp. *purpurea* (Ten.) Hayek]

1 Herb. Cancellieri, HLUC

18 CLU, Herb. Gangale & Uzunov, Herb. Lattanzi, HLUC, PORUN-Herb. Stinca, UTV

Torilis nodosa* (L.) Gaertn. subsp. *nodosa

1 CLU

8 APP

Trinia glauca* (L.) Dumort. subsp. *glauca

11 HLUC

12 APP, CLU, Herb. Carli, Herb. Tilia, HLUC, IS, PORUN-Herb. Stinca

13 HFLA

APOCYNACEAE

Vinca major* L. subsp. *major

5 CAM HLUC

18 BI, CLU, Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PORUN-Herb. Stinca, UTV

AQUIFOLIACEAE

***Ilex aquifolium* L.**

12 Herb. Caruso, Herb. Salerno, HLUC

13 Herb. Cancellieri, PORUN-Herb. Stinca

15 HFLA

ARACEAE

***Arisarum proboscideum* (L.) Savi**

12 CLU, Herb. Salerno

13 Herb. Cancellieri, HLUC, PORUN-Herb. Stinca

***Arum cylindraceum* Gasp. ex Guss.**

12 APP

13 APP, Herb. Cancellieri, PORUN-Herb. Stinca

Biarum tenuifolium (L.) Schott subsp. *tenuifolium*
9 PORUN-Herb. Stinca

Lemna minor L.
5 BAS SIENA

ARALIACEAE

Hedera helix L. subsp. *helix*
12 UTV

ARISTOLOCHIACEAE

+CAM** E *Aristolochia clusii* Lojac.
3 APP, GE

Aristolochia lutea Desf.
3 APP
4 HLUC, PAD, PI

+BAS** *Aristolochia rotunda* L. subsp. *rotunda*
18 CLU

ASPARAGACEAE

Asparagus acutifolius L.
7 IS
18 PORUN-Herb. Stinca

Loncomelos narbonensis (L.) Raf.
[≡ *Ornithogalum narbonense* L.]
2 HLUC, PORUN-Herb. Stinca
3 APP, Herb. Lattanzi, TO

		<i>Loncomelos pyrenaicus</i> (L.) L.D.Hrouda subsp. <i>pyrenaicus</i> [≡ <i>Ornithogalum pyrenaicum</i> L.] 1 HLUC
		<i>Muscari comosum</i> (L.) Mill. 3 SIENA 4 HLUC 5 CAM HLUC 7 TO 13 APP, PORUN-Herb. Stinca
+BAS**	E	<i>Ornithogalum etruscum</i> Parl. subsp. <i>etruscum</i> 11 PAD 12 APP, IS, PI, PORUN-Herb. Stinca 13 PORUN-Herb. Stinca 15 APP, PORUN-Herb. Stinca <i>Note</i> - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).
	E	<i>Ornithogalum exscapum</i> Ten. 1 PORUN-Herb. Stinca 5 CAM HLUC <i>Note</i> - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).
		<i>Polygonatum odoratum</i> (Mill.) Druce 12 APP, PI 13 Herb. Gangale & Uzunov, PORUN-Herb. Stinca
		<i>Ruscus aculeatus</i> L. 12 Herb. Salerno 18 PORUN-Herb. Stinca
+BAS**		<i>Ruscus hypoglossum</i> L. 12 CLU, HLUC, PI, SIENA, UTV

Scilla bifolia L.

2 PORUN-Herb. Stinca

5 CAM HLUC

ASPHODELACEAE

Asphodeline liburnica (Scop.) Rchb.

18 PORUN-Herb. Stinca, SIENA, UTV

Asphodeline lutea (L.) Rchb.

13 HLUC

Asphodelus macrocarpus Parl. subsp. *macrocarpus*

13 APP

ASPLENIACEAE

Asplenium ceterach L. subsp. *bivalens* (D.E.Mey.) Greuter & Burdet

[≡ *Ceterach officinarum* Willd. subsp. *bivalens* D.E.Mey.]

12 HLUC, PAD

15 PORUN-Herb. Stinca

Asplenium ceterach L. subsp. *ceterach*

[≡ *Ceterach officinarum* Willd. subsp. *officinarum*]

18 PI

Asplenium onopteris L.

18 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Asplenium trichomanes L. subsp. *quadrivalens* D.E.Mey.

12 HLUC, PAD

18 Herb. Gangale & Uzunov, HLUC, PI

ASTERACEAE

+CAM**

+BAS**

Achillea nobilis L. subsp. *nobilis*

4 APP, PORUN-Herb. Stinca

5 **BAS** APP, Herb. Cancellieri, Herb. Salerno, PAD, PI, PORUN-Herb. Stinca, HFLA

7 PI

16 APP, Herb. Gangale & Uzunov, Herb. Majella, HLUC

E

Achillea rupestris Huter, Porta & Rigo subsp. *calcarea* (Huter, Porta & Rigo)

Greuter

15 APP, PORUN-Herb. Stinca

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Achillea setacea Waldst. & Kit.

4 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

8 HLUC

11 PORUN-Herb. Stinca

Anacyclus clavatus (Desf.) Pers.

1 Herb. Gangale & Uzunov, PAD, PI, PORUN-Herb. Stinca

3 PORUN-Herb. Stinca, UTV

5 **CAM** CLU

Anthemis cotula L.

5 **BAS** PORUN-Herb. Stinca

5 **CAM** HFLA

Anthemis cretica L. subsp. *columnae* (Ten.) Franzén

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca

E

Artemisia campestris L. subsp. *variabilis* (Ten.) Greuter

1 Herb. Majella, PORUN-Herb. Stinca, UTV

5 **BAS** APP, PORUN-Herb. Stinca

Note - This taxon received the conservation status NT (near threatened) in the IUCN Red List of the

Italian Flora (Orsenigo et al. 2018).

Artemisia vulgaris L.

5 BAS TO

Bellis annua L. subsp. *annua*

2 PI

Bellis perennis L.

5 CAM HLUC

7 PORUN-Herb. Stinca, UTV

Calendula arvensis (Vaill.) L.

1 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

Cardopatium corymbosum (L.) Pers.

8 APP, Herb. Cancellieri, Herb. Caruso, Herb. Gangale & Uzunov, Herb. Lattanzi, Herb. Salerno, Herb. Tilia, HLUC, PAD, PI, PORUN-Herb. Stinca, SIENA

Note - This taxon was recently confirmed for Campania and reported by Del Guacchio (2007) in the study area (“presso la stazione di Aquilonia”) and outside our study area (“Calitri (Avellino), argille erose ai fianchi di uno sbancamento sotto il paese”).

E

Carduus corymbosus Ten.

3 CLU, Herb. Cancellieri, Herb. Lattanzi, Herb. Salerno, HLUC, PI, UTV

8 APP, BI, Herb. Carli

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

E

Carduus nutans L. subsp. *perspinosus* (Fiori) Arènes

3 APP, HLUC, PI, PORUN-Herb. Stinca

4 APP, Herb. Gangale & Uzunov

7 CLU, HFLA, HLUC, PI

8 PI

10 CLU

13 APP

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Carduus pycnocephalus L. subsp. *pycnocephalus*

1 PORUN-Herb. Stinca

4 PORUN-Herb. Stinca

8 Herb. Gangale & Uzunov

15 HFLA

Carthamus caeruleus L.

3 APP, HLUC, PAD, SIENA

4 APP, PI

Note - This taxon was recently confirmed for Campania and reported in the study area by Del Guacchio (2007): “Monteverde (Avellino), strada da Lacedonia, dopo il bivio per il Lago di S. Pietro”.

+CAM*

Catananche lutea L.

8 APP, Herb. Cancellieri, Herb. Tilia, HFLA

Centaurea calcitrapa L.

1 PI, PORUN-Herb. Stinca

5 BAS SIENA

E

Centaurea centauroides L.

3 APP, BI, CLU, GE, Herb. Cancellieri, Herb. Lattanzi, Herb. Salerno, HLUC, SIENA, UTV

Note - This taxon received the conservation status NT (near threatened) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018). It was recently confirmed for Campania just outside our study area by Del Guacchio (2010): “Calitri (Avellino), loc. Visciglito”, “viadotto che parte da Calitri scalo”.

Centaurea cyanus L.

[= *Cyanus segetum* Hill]

5 BAS PI

***Centaurea deusta* Ten. group**

4 APP, Herb. Caruso, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

12 APP, BI, Herb. Carli, Herb. Caruso, Herb. Lattanzi, Herb. Tilia, HLUC, IS, PAD, PORUN-Herb.

Stinca, SIENA, UTV

13 APP, GE, Herb. Cancellieri, Herb. Caruso, Herb. Gangale & Uzunov, Herb. Majella, HFLA, HLUC, PORUN-Herb. Stinca

15 APP, HLUC, PORUN-Herb. Stinca

16 APP, CLU, Herb. Caruso, HLUC, PORUN-Herb. Stinca, TO

Note - This taxon shows a considerable variability in Italy, not well understood yet (Stinca et al. 2019a). The specimens collected in the investigated area are probably attributable to a new taxon under study.

***Centaurea jacea* L. subsp. *gaudinii* (Boiss. & Reut.) Greml**

8 PI

***Centaurea solstitialis* L. s.l.**

3 APP, BI, HLUC

Note - The specimens collected are incomplete and do not allow to identify the subspecies.

***Centaurea triumfettii* All.**

[\equiv *Cyanus triumfettii* (All.) Dostál ex Á.Löve & D.Löve]

4 APP, Herb. Caruso, Herb. Gangale & Uzunov, HLUC, PAD, PORUN-Herb. Stinca

5 CAM HLUC

7 PI

11 HLUC

12 Herb. Carli, IS, UTV

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC

***Chondrilla juncea* L.**

1 Herb. Salerno

16 Herb. Salerno

***Cirsium arvense* (L.) Scop.**

1 PI

3 PI, PORUN-Herb. Stinca, SIENA

10 HLUC

***Cota altissima* (L.) J.Gay**

[≡ *Anthemis altissima* L.]

3 APP, Herb. Lattanzi, UTV

10 Herb. Lattanzi

***Cota tinctoria* (L.) J.Gay subsp. *australis* (R.Fern.) Oberpr. & Greuter**

[≡ *Anthemis tinctoria* L. subsp. *australis* R.Fern.]

1 APP, BI, CLU, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca

2 Herb. Caruso

5 BAS PI

8 HLUC

10 HFLA, HLUC

16 HLUC

Note - This taxon was recently discovered for Campania and reported in the study area by Del Guacchio (2010): “Aquila (Avellino) lungo l’Ofantina, nei pressi della stazione”.

***Crepis bursifolia* L.**

1 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PORUN-Herb. Stinca

3 Herb. Salerno

Crepis lacera* Ten. subsp. *lacera

12 APP, Herb. Carli

15 PORUN-Herb. Stinca

***Crepis leontodontoides* All.**

4 APP, Herb. Majella, PORUN-Herb. Stinca

7 APP, GE, Herb. Tilia, HLUC, PI

13 APP

15 PORUN-Herb. Stinca

18 BI, HLUC

***Crepis neglecta* L. s.l.**

1 GE, PAD, PI

5 BAS APP

7 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA

8 HLUC

Note - The collected specimens shows intermediate characters between the subsp. *corymbosa* (Ten.) Nyman and subsp. *neglecta*.

Crepis pulchra* L. subsp. *pulchra

1 GE

7 APP

8 PI

***Crepis rubra* L.**

3 APP, GE, Herb. Cancellieri, Herb. Salerno, UTV

A INV (CAM)

NEO

***Crepis sancta* (L.) Bornm. subsp. *nemausensis* (P.Fourn.) Babc.**

1 HLUC, PORUN-Herb. Stinca

***Crepis setosa* Haller f.**

1 Herb. Majella

***Crupina vulgaris* Cass.**

2 Herb. Majella, PORUN-Herb. Stinca

5 BAS BI

5 CAM BI

7 APP, GE, Herb. Gangale & Uzunov, Herb. Tilia, HLUC, UTV

8 PI

16 HLUC

Cynara cardunculus* L. subsp. *cardunculus

3 APP, PORUN-Herb. Stinca

18 CLU

***Doronicum columnae* Ten.**

12 HLUC

***Doronicum orientale* Hoffm.**

12 APP, PAD

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

16 PI

E

Echinops siculus Strobl

10 HLUC

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

A INV (CAM)

Erigeron sumatrensis Retz.

A INV (BAS)

1 TO

NEO

5 BAS TO

7 TO

Filago germanica (L.) Huds.

7 Herb. Gangale & Uzunov, Herb. Majella, Herb. Salerno, HLUC

Filago pyramidata L.

3 APP. BI. CLU. GE. Herb. Cancellieri, Herb. Lattanzi, PORUN-Herb. Stinca, SIENA, UTV

5 CAM CLU

7 Herb. Carli. Herb. Tilia. SIENA

Galactites tomentosus Moench

[= *Galactites elegans* (All.) Soldano]

5 BAS PI. PORUN-Herb. Stinca. SIENA

10 HLJC

Geropogon hybridus (L.) Sch.Bip.

[= *Geropogon glaber* L.]

8 BI. Herb. Lattanzi

Hedypnois rhagadioloides (L.) F.W.Schmidt

1 PORUN-Herb. Stinca, UTV

7 PAD

Helichrysum italicum* (Roth) G.Don subsp. *italicum

7 Herb. Caruso, HLUC, PORUN-Herb. Stinca

8 PI

***Helminthotheca echiooides* (L.) Holub**

[≡ *Picris echiooides* L.]

3 PORUN-Herb. Stinca, UTV

8 PI

***Hypochaeris achyrophorus* L.**

7 Herb. Gangale & Uzunov

8 Herb. Salerno, Herb. Tilia

***Jacobaea erratica* (Bertol.) Fourr.**

[= *Senecio erraticus* Bertol. subsp. *barbareifolius* (Wimm. & Grab.) Walters]

5 BAS APP

5 CAM HFLA

E

***Klasea flavescens* (L.) Holub subsp. *cichoracea* (L.) Greuter & Wagenitz**

[≡ *Serratula cichoracea* (L.) DC.]

10 Herb. Gangale & Uzunov, HLUC, UTV

18 CLU, Herb. Cancellieri, PORUN-Herb. Stinca, SIENA, UTV

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Lactuca saligna* L.**

1 Herb. Lattanzi

***Lactuca sativa* L. subsp. *serriola* (L.) Galasso, Banfi, Bartolucci & Ardenghi**

1 Herb. Lattanzi

Lapsana communis* L. subsp. *communis

7 HLUC

5 BAS BI

18 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

***Leontodon crispus* Vill.**

12 APP, BI, CLU, Herb. Lattanzi, HLUC, PAD, PORUN-Herb. Stinca, UTV

13 HFLA

15 PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov

Leontodon hispidus* L. subsp. *hispidus

12 Herb. Carli, IS, PI

16 HLUC

E

***Leontodon intermedius* (Fiori) Huter, Porta & Rigo**

15 APP

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

+CAM**

***Mantisalca duriaeae* (Spach) Briq. & Cavill.**

3 APP, CLU, Herb. Cancellieri, Herb. Lattanzi, Herb. Salerno, HLUC, PAD, PI, PORUN-Herb. Stinca, UTV

***Matricaria chamomilla* L.**

[≡ *Chamomilla recutita* (L.) Rauschert]

7 PI

***Notobasis syriaca* (L.) Cass.**

3 APP, BI, CLU, Herb. Cancellieri, Herb. Salerno, HLUC, PI, SIENA

Note - This taxon was recently reported just outside our study area by Del Guacchio (2007): “Monteverde (Avellino), frequente lungo la strada da Lacedonia, dopo il bivio per Rocchetta S. Antonio”.

***Onopordum horridum* Viv.**

1 Herb. Gangale & Uzunov

Pallenis spinosa* (L.) Cass. subsp. *spinosa

1 Herb. Caruso, PORUN-Herb. Stinca

3 Herb. Salerno, PORUN-Herb. Stinca, SIENA

7 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella

8 HLUC

10 HLUC

***Pentanema salicinum* (L.) D.Gut.Larr., Santos-Vicente, Anderb., E.Rico & M.M.Mart.Ort.**

[≡ *Inula salicina* L.]

3 APP, BI, Herb. Salerno

Petasites hybridus* (L.) G.Gaertn., B.Mey. & Scherb. subsp. *hybridus

7 PORUN-Herb. Stinca

Picris hieracioides* L. subsp. *hieracioides

3 PI

7 PI

10 PORUN-Herb. Stinca

Pilosella piloselloides* (Vill.) Soják subsp. *piloselloides

7 APP, BI, CLU, Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA, HLUC, PORUN-Herb. Stinca

8 PI

+BAS**

***Pilosella ziziana* (Tausch) F.W.Schultz & Sch.Bip.**

12 CLU, Herb. Tilia, PI

Podospermum laciniatum* (L.) DC. subsp. *laciniatum

[≡ *Scorzonera laciniata* L. subsp. *laciniata*]

1 CLU, Herb. Salerno

8 BI, CLU, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, Herb. Salerno, Herb. Tilia,

HFLA, HLUC, PI

***Ptilostemon strictus* (Ten.) Greuter**

12 HLUC

18 SIENA

***Reichardia picroides* (L.) Roth**

2 Herb. Majella, PORUN-Herb. Stinca

3 Herb. Salerno

7 APP, Herb. Gangale & Uzunov

8 HLUC

16 Herb. Gangale & Uzunov, HLUC

***Rhagadiolus stellatus* (L.) Gaertn.**

1 CLU

4 PORUN-Herb. Stinca

18 Herb. Salerno

+CAM* E

***Scorzonera hispanica* L. subsp. *neapolitana* (Grande) Greuter**

8 APP, BI, Herb. Carli, Herb. Gangale & Uzunov, Herb. Lattanzi, Herb. Salerno, HFLA, HLUC, PORUN-Herb. Stinca, SIENA

10 HFLA

Note - This taxon received the conservation status DD (data deficient) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

E

***Scorzonera villosa* Scop. subsp. *columnae* (Guss.) Nyman**

3 APP, BI, Herb. Cancellieri, PI, PORUN-Herb. Stinca

8 PAD

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Scorzoneroidea cichoriacea* (Ten.) Greuter**

[≡ *Leontodon cichoriaceus* (Ten.) Sanguin.]

13 APP, Herb. Gangale & Uzunov

Senecio vulgaris* L. subsp. *vulgaris

1 PORUN-Herb. Stinca
7 APP

***Silybum marianum* (L.) Gaertn.**

1 SIENA
5 CAM HLUC
10 PORUN-Herb. Stinca

Sonchus asper* (L.) Hill subsp. *asper

10 HLUC

+BAS**

***Sonchus asper* (L.) Hill subsp. *glaucescens* (Jord.) Ball**

11 PORUN-Herb. Stinca

***Tanacetum parthenium* (L.) Sch.Bip.**

5 BAS Herb. Cancellieri, Herb. Salerno
16 PORUN-Herb. Stinca, SIENA
18 PI

***Tolpis umbellata* Bertol.**

13 APP, Herb. Gangale & Uzunov

Tragopogon crocifolius* L. subsp. *crocifolius

8 IS

E

***Tragopogon cupani* Guss. ex DC.**

10 Herb. Tilia

Note - This taxon received the conservation status DD (data deficient) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Tragopogon porrifolius* L.**

3 PI
7 Herb. Gangale & Uzunov

11 CLU, HLUC
16 HLUC
18 Herb. Gangale & Uzunov

Tragopogon pratensis L.
3 SIENA
13 Herb. Gangale & Uzunov

Tussilago farfara L.
7 PORUN-Herb. Stinca

Tyrimnus leucographus (L.) Cass.
2 APP

Urospermum dalechampii (L.) F.W.Schmidt
1 Herb. Gangale & Uzunov
7 PORUN-Herb. Stinca
10 HLUC

Urospermum picroides (L.) Scop. ex F.W.Schmidt
1 Herb. Salerno, PORUN-Herb. Stinca, SIENA
3 HLUC
7 BI

A NAT (CAM)
NEO *Xanthium spinosum* L.
 20 PORUN-Herb. Stinca

Xeranthemum cylindraceum Sm.
3 APP
4 PORUN-Herb. Stinca
8 Herb. Cancellieri, Herb. Carli, Herb. Salerno, IS
10 Herb. Salerno
16 HLUC

Xeranthemum inapertum (L.) Mill.

7 Herb. Gangale & Uzunov

16 BI, GE, Herb. Carli, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PI, UTV

ATHYRIACEAE

Athyrium filix-femina (L.) Roth

13 APP, HLUC, PORUN-Herb. Stinca

BETULACEAE

Carpinus orientalis Mill. subsp. *orientalis*

4 Herb. Caruso

5 BAS BI

18 Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca, UTV

Corylus avellana L.

7 PORUN-Herb. Stinca

BORAGINACEAE

Aegonychon purpurocaeruleum (L.) Holub

[≡ *Buglossoides purpurocaerulea* (L.) I.M.Johnst.]

4 Herb. Gangale & Uzunov

7 PI

10 Herb. Gangale & Uzunov

18 CLU, Herb. Gangale & Uzunov

Anchusa azurea Mill.

10 PI

Anchusella cretica (Mill.) Bigazzi, E.Nardi & Selvi

[≡ *Anchusa cretica* Mill.]

4 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

7 GE, Herb. Carli, Herb. Majella, Herb. Salerno, HFLA, HLUC, PAD

8 PI

18 Herb. Gangale & Uzunov

Cerinthe major L. subsp. *major*

3 APP, PAD, PORUN-Herb. Stinca, SIENA

7 PI

10 PORUN-Herb. Stinca

Cerinthe minor L. subsp. *auriculata* (Ten.) Domac

12 Herb. Lattanzi, Herb. Salerno, HLUC, IS, PAD

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca

Cynoglossum creticum Mill.

5 CAM CLU

18 CLU, Herb. Gangale & Uzunov

Cynoglossum montanum L.

11 PI

12 Herb. Salerno, Herb. Tilia, PAD, PORUN-Herb. Stinca

13 HFLA

Echium italicum L. subsp. *italicum*

5 BAS PORUN-Herb. Stinca

Echium plantagineum L.

1 PI

5 CAM HFLA

Echium vulgare L.

1 APP, Herb. Gangale & Uzunov, HLUC, PI, PORUN-Herb. Stinca

2 PORUN-Herb. Stinca

10 HLUC

11 HLUC

16 PORUN-Herb. Stinca

Note - The actual taxonomic distinction of two subspecies, namely *E. vulgare* L. subsp. *pustulatum* (Sm.) Em.Schmid & Gams and *E. vulgare* L. subsp. *vulgare*, needs to be furtherly investigated (L).

Cecchi, in litteris).

Myosotis arvensis* (L.) Hill subsp. *arvensis

4 PORUN-Herb. Stinca

5 BAS Herb. Salerno

7 CLU, IS, PORUN-Herb. Stinca

8 PI

13 Herb. Cancellieri

18 PI

Myosotis ramosissima* Rochel subsp. *ramosissima

7 APP

E

***Myosotis sylvatica* Hoffm. subsp. *elongata* (Strobl) Grau**

13 APP, Herb. Gangale & Uzunov

18 Herb. Gangale & Uzunov

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

E

***Pulmonaria vallarsae* A.Kern. subsp. *apennina* (Cristof. & Puppi) L.Cecchi & Selvi**

7 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

12 PI, UTV

13 Herb. Cancellieri

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Symphytum tuberosum* L. subsp. *angustifolium* (A.Kern.) Nyman**

[= *S. tuberosum* L. subsp. *nodosum* (Schur) Soó]

7 Herb. Gangale & Uzunov

12 APP, CLU

13 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

BRASSICACEAE

***Aethionema saxatile* (L.) R.Br.**

7 APP, BI, GE, Herb. Gangale & Uzunov

12 Herb. Salerno, Herb. Tilia

16 Herb. Carli, Herb. Gangale & Uzunov

***Alliaria petiolata* (M.Bieb.) Cavara & Grande**

18 PORUN-Herb. Stinca

***Alyssum simplex* Rudolphi**

[— *A. campestre* auct. Fl. Ital.]

1 PORUN-Herb. Stinca

8 APP, Herb. Carli

Arabis collina* Ten. subsp. *collina

12 Herb. Carli

15 PORUN-Herb. Stinca

18 PORUN-Herb. Stinca

***Arabis hirsuta* (L.) Scop.**

7 CLU

16 Herb. Tilia

***Arabis sagittata* (Bertol.) DC.**

8 Herb. Majella, PORUN-Herb. Stinca

10 PORUN-Herb. Stinca

11 Herb. Tilia

***Aurinia saxatilis* (L.) Desv. subsp. *megalocarpa* (Hausskn.) T.R.Dudley**

10 PAD

16 APP, BI, Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Lattanzi, Herb. Majella, Herb. Salerno, Herb. Tilia, HLUC, PORUN-Herb. Stinca

18 PI

***Barbarea vulgaris* R.Br.**

7 CLU, PORUN-Herb. Stinca

***Biscutella laevigata* L. s.l.**

13 APP, GE, PORUN-Herb. Stinca

Note - The collected specimens shows intermediate characters between the subsp. *australis* Raffaelli & Baldoin (leaves with dense hairiness) and subsp. *laevigata* (small leaves).

***Brassica incana* Ten.**

16 APP, CLU, HLUC, PORUN-Herb. Stinca

C (CAM)

C (BAS)

***Brassica nigra* (L.) W.D.J.Koch**

1 APP, PORUN-Herb. Stinca

10 Herb. Salerno, PAD, PORUN-Herb. Stinca

***Bunias erucago* L.**

5 BAS Herb. Cancellieri, Herb. Salerno

***Calepina irregularis* (Asso) Thell.**

7 APP, Herb. Salerno, PORUN-Herb. Stinca

Capsella bursa-pastoris* (L.) Medik. subsp. *bursa-pastoris

7 Herb. Gangale & Uzunov, UTV

***Capsella rubella* Reut.**

8 PI

***Cardamine amporitana* Sennen & Pau**

13 APP, PORUN-Herb. Stinca

Note - This taxon was recently confirmed in Basilicata at Sasso di Castalda (Rosati et al. 2017).

***Cardamine bulbifera* (L.) Crantz**

13 Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Cardamine graeca L.

15 PORUN-Herb. Stinca

Cardamine hirsuta L.

1 PORUN-Herb. Stinca

7 Herb. Salerno

Draba verna L. subsp. *verna*

[≡ *Erophila verna* (L.) DC. subsp. *verna*]

1 PORUN-Herb. Stinca

E

Erysimum apenninum Peccenini & Polatschek

2 APP

7 PI

8 CLU, GE, Herb. Gangale & Uzunov, Herb. Majella, HFLA, HLUC, PORUN-Herb. Stinca

10 PORUN-Herb. Stinca

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

A NAT (BAS)

ARC

Erysimum cheiri (L.) Crantz

16 PORUN-Herb. Stinca

Hesperis laciniata All. subsp. *laciniata*

18 PORUN-Herb. Stinca

Hesperis matronalis L. subsp. *matronalis*

12 Herb. Salerno

Hirschfeldia incana (L.) Lagr.-Foss. subsp. *incana*

7 HFLA

Hornungia petraea (L.) Rchb. subsp. *petraea*

16 Herb. Tilia

A NAT (CAM)
ARC *Isatis tinctoria L. subsp. tinctoria*
1 Herb. Salerno, PI, PORUN-Herb. Stinca, TO
7 HLUC

Lepidium campestre (L.) R.Br.
11 APP, BI, Herb. Salerno, HLUC
16 PI

Lepidium coronopus (L.) Al-Shehbaz
[= *Coronopus squamatus* (Forssk.) Asch.]
3 TO

Lepidium draba L. subsp. draba
[≡ *Cardaria draba* (L.) Desv.]
1 Herb. Cancellieri, Herb. Salerno, SIENA
8 Herb. Caruso, HLUC, IS, PORUN-Herb. Stinca

Microthlaspi perfoliatum (L.) F.K.Mey.
[≡ *Noccea perfoliata* (L.) Al-Shehbaz; ≡ *Thlaspi perfoliatum* L.]
1 PORUN-Herb. Stinca
7 CLU, GE
12 CLU
18 PORUN-Herb. Stinca

Nasturtium officinale R.Br.
7 APP, Herb. Gangale & Uzunov, PORUN-Herb. Stinca
5 BAS PI

+CAM*

*Neslia paniculata (L.) Desv. subsp. *thracica* (Velen.) Bornm.*
7 CLU

Noccea praecox (Wulfen) F.K.Mey.
[≡ *Thlaspi praecox* Wulfen]
12 Herb. Carli, PAD, UTV

13 APP
13 Herb. Cancellieri

***Pseudoturritis turrita* (L.) Al-Shehbaz**
[≡ *Arabis turrita* L.]

16 BI
18 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

***Raphanus raphanistrum* L. subsp. *landra* (Moretti ex DC.) Bonnier & Layens**
1 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Raphanus raphanistrum* L. subsp. *raphanistrum
1 Herb. Caruso
18 PORUN-Herb. Stinca
5 BAS PI

***Rapistrum rugosum* (L.) All.**
3 APP, BI, CLU, Herb. Salerno, UTV
8 GE, Herb. Gangale & Uzunov, PI, PORUN-Herb. Stinca
15 HFLA

Rorippa sylvestris* (L.) Besser subsp. *sylvestris
20 UTV

Sinapis arvensis* L. subsp. *arvensis
1 HLUC
7 Herb. Gangale & Uzunov

CAMPANULACEAE

***Campanula erinus* L.**
16 Herb. Cancellieri, Herb. Salerno, PORUN-Herb. Stinca
18 Herb. Carli

E

Campanula fragilis Cirillo subsp. *fragilis*

12 Herb. Salerno

16 APP, GE, Herb. Lattanzi, HLUC, SIENA

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Campanula rapunculus L.

4 HLUC

10 HLUC

18 BI, Herb. Carli, PORUN-Herb. Stinca, SIENA

Edraianthus graminifolius (L.) A.DC. subsp. *graminifolius*

12 APP, Herb. Carli, Herb. Caruso, Herb. Salerno, HLUC, PAD, PI, PORUN-Herb. Stinca, SIENA, UTV

13 HFLA

15 APP, PORUN-Herb. Stinca

Legousia falcata (Ten.) Janch. subsp. *falcata*

3 PI

18 Herb. Gangale & Uzunov, Herb. Salerno, PORUN-Herb. Stinca, UTV

Legousia hybrida (L.) Delarbre

7 CLU

Legousia speculum-veneris (L.) Chaix subsp. *speculum-veneris*

3 Herb. Salerno, SIENA, TO

7 APP, IS, PAD

10 PORUN-Herb. Stinca

18 SIENA

CANNABACEAE

Humulus lupulus L.

5 BAS Herb. Cancellieri, Herb. Salerno

CAPRIFOLIACEAE

Lonicera caprifolium L.

7 HLUC, PORUN-Herb. Stinca

Lonicera etrusca Santi

2 Herb. Caruso

3 BI, Herb. Cancellieri, TO

4 Herb. Caruso, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

7 Herb. Gangale & Uzunov, HFLA, HLUC

CARYOPHYLLACEAE

Arenaria leptoclados (Rchb.) Guss. subsp. *leptoclados*

1 PORUN-Herb. Stinca

7 GE, Herb. Gangale & Uzunov, Herb. Tilia, HFLA, PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

18 Herb. Gangale & Uzunov

Arenaria serpyllifolia L. subsp. *serpyllifolia*

1 SIENA

7 CLU, IS

16 CLU

Atocion armeria (L.) Raf.

[≡ *Silene armeria* L.]

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Cerastium glomeratum Thuill.

11 Herb. Carli

Cerastium holosteoides Fr.

[= *C. fontanum* Baumg. subsp. *vulgare* (Hartm.) Greuter & Burdet]

7 CLU

8 Herb. Lattanzi

E

***Cerastium tomentosum* L.**

12 PAD

13 APP, GE, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov, HLUC, PI

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

E

***Dianthus carthusianorum* L. subsp. *tenorei* (Lacaita) Pignatti**

8 APP, Herb. Gangale & Uzunov, Herb. Majella, Herb. Salerno, PI, PORUN-Herb. Stinca

13 APP, GE

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Dianthus longicaulis* Ten.**

16 APP, CLU

E

Dianthus vulturius* Guss. & Ten. subsp. *vulturius

2 Herb. Majella, PORUN-Herb. Stinca

16 Herb. Carli, Herb. Lattanzi, HLUC

18 CLU

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Lychnis coronaria* (L.) Desr.**

[≡ *Silene coronaria* (L.) Clairv.]

5 BAS BI, PI

5 CAM HLUC

18 GE, Herb. Cancellieri, PORUN-Herb. Stinca

Lychnis flos-cuculi* L. subsp. *flos-cuculi

[≡ *Silene flos-cuculi* (L.) Clairv.]

11 Herb. Carli

18 BI

***Moehringia trinervia* (L.) Clairv.**

12 CLU, UTV

***Petrorhagia dubia* (Raf.) G.López & Romo**

7 Herb. Tilia, PI

11 PORUN-Herb. Stinca

13 GE

***Petrorhagia prolifera* (L.) P.W.Ball & Heywood**

1 Herb. Majella

7 APP

8 Herb. Cancellieri

11 Herb. Carli, Herb. Tilia

13 Herb. Gangale & Uzunov, HLUC

***Petrorhagia saxifraga* (L.) Link subsp. *gasparrinii* (Guss.) Greuter & Burdet**

1 Herb. Majella

2 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

7 PORUN-Herb. Stinca

8 Herb. Carli, Herb. Salerno, HLUC, SIENA

13 Herb. Gangale & Uzunov

16 APP, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

Petrorhagia saxifraga* (L.) Link subsp. *saxifraga

1 PORUN-Herb. Stinca

18 HLUC

Note - The two subspecies currently recognized for the Italian flora are very similar and mainly characterized by the different length of the floral bracts which are no longer than half the calyx tube in the subsp. *saxifraga*, while are long as calyx tube in the subsp. *gasparrinii* (Pignatti et al. 2017b, 2019). However, the most of the authors do not attribute taxonomic value to the latter subspecies.

+BAS**

Polycarpon tetraphyllum* (L.) L. subsp. *tetraphyllum

16 Herb. Cancellieri

18 UTV

***Sabulina glauquina* (Dvořáková) Dillenb. & Kadereit**

[= *Minuartia verna* (L.) Hiern subsp. *collina* (Neilr.) Domin]

7 IS

12 APP, CLU, Herb. Carli, Herb. Salerno, Herb. Tilia, HLUC, IS, PI, PORUN-Herb. Stinca, UTV

15 APP

16 CLU, Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca

Note - This taxon was recently confirmed in Campania at Padula (Rosati et al. 2017).

***Sabulina mediterranea* (Ledeb. ex Link) Rchb.**

[≡ *Minuartia mediterranea* (Ledeb. ex Link) K.Malý]

7 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, PORUN-Herb. Stinca, UTV

Sabulina tenuifolia* (L.) Rchb. subsp. *tenuifolia

[= *Minuartia hybrida* (Vill.) Schischk. subsp. *hybrida*]

7 APP, CLU, PORUN-Herb. Stinca

***Saponaria officinalis* L.**

7 PORUN-Herb. Stinca

***Scleranthus polycarpos* L.**

13 GE, Herb. Cancellieri, Herb. Cancellieri, PORUN-Herb. Stinca

***Silene conica* L.**

12 PAD

***Silene gallica* L.**

7 APP

13 GE, Herb. Cancellieri, Herb. Gangale & Uzunov

Silene italica* (L.) Pers. subsp. *italica

7 CLU, HFLA

16 HLUC

E

***Silene italica* (L.) Pers. subsp. *sicula* (Ucria) Jeanm.**

4 PORUN-Herb. Stinca

7 HLUC

12 HLUC

16 Herb. Gangale & Uzunov, PI, PORUN-Herb. Stinca

18 GE, Herb. Gangale & Uzunov, HLUC

Note - The two subspecies currently recognized for the Italian flora are very similar and mainly characterized by the different length of the carpophore which is long as capsule or slightly less in the subsp. *italica*, while is no longer than half the capsule in the subsp. *sicula* (Pignatti et al. 2017b, 2019). According to Jeanmonod (1984), there is no clear geographical limit between the two subspecies but a progressive transition between them.

Silene italica subsp. *sicula* received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018). It was recently discovered in Campania at Padula and in Basilicata at Brienza (Rosati et al. 2017).

***Silene latifolia* Poir.**

[= *S. latifolia* Poir. subsp. *alba* (Mill.) Greuter & Burdet]

1 APP, HLUC

4 PORUN-Herb. Stinca

5 BAS APP, SIENA

5 CAM HLUC

10 Herb. Gangale & Uzunov, HFLA

12 IS, PORUN-Herb. Stinca

13 APP, HLUC

18 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Silene nocturna* L. subsp. *nocturna

1 GE, Herb. Cancellieri, PI

7 CLU, GE

***Silene saxifraga* L.**

15 APP

***Silene viridiflora* L.**

18 CLU, Herb. Salerno, HLUC

Silene vulgaris (Moench) Garcke subsp. *commutata* (Guss.) Hayek
18 HLUC

Silene vulgaris (Moench) Garcke subsp. *vulgaris*
3 Herb. Cancellieri
4 APP, PORUN-Herb. Stinca
10 Herb. Gangale & Uzunov, HFLA
15 PORUN-Herb. Stinca

Stellaria media (L.) Vill. subsp. *media*
7 CLU
15 IS
18 PORUN-Herb. Stinca

CELASTRACEAE

Euonymus latifolius (L.) Mill.
12 CLU, Herb. Salerno

CHENOPodiACEAE

Atriplex prostrata Boucher ex DC.
8 HLUC

Beta vulgaris L. subsp. *maritima* (L.) Arcang.
3 HLUC, TO
8 GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, Herb. Tilia, HFLA, HLUC, IS, PORUN-Herb. Stinca

Chenopodium album L. subsp. *album*
18 HLUC

A INV (BAS)
NEO *Dysphania ambrosioides* (L.) Mosyakin & Clements
[≡ *Chenopodium ambrosioides* L.]
5 BAS TO

9 PORUN-Herb. Stinca

CISTACEAE

Cistus salviifolius L.

4 PORUN-Herb. Stinca

Helianthemum apenninum (L.) Mill. subsp. *apenninum*

12 CLU, Herb. Cancellieri, Herb. Carli, Herb. Tilia

Helianthemum nummularium (L.) Mill. subsp. *obscurum* (Čelak.) Holub

4 PORUN-Herb. Stinca

8 PI

13 HLUC

18 HLUC

Helianthemum oelandicum (L.) Dum.Cours. subsp. *incanum* (Willk.) G.López

12 CLU, Herb. Carli, Herb. Tilia, HLUC, IS, PAD, PORUN-Herb. Stinca

Helianthemum salicifolium (L.) Mill.

3 GE

COLCHICACEAE

Colchicum neapolitanum (Ten.) Ten. subsp. *neapolitanum*

18 CLU, HLUC

CONVOLVULACEAE

Convolvulus arvensis L.

1 PORUN-Herb. Stinca

8 Herb. Carli, HLUC

Convolvulus cantabrica L.

1 Herb. Gangale & Uzunov, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

2 Herb. Majella

3 BI

4 HLUC

7 Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC

***Convolvulus silvaticus* Kit.**

[≡ *Calystegia silvatica* (Kit.) Griseb.]

1 PORUN-Herb. Stinca,

5 BAS PAD, PORUN-Herb. Stinca

7 Herb. Gangale & Uzunov

18 Herb. Gangale & Uzunov, HLUC, SIENA

***Cuscuta planiflora* Ten.**

5 CAM GE, HLUC

7 HFLA

8 HLUC

CORNACEAE

***Cornus mas* L.**

16 Herb. Lattanzi

18 BI, Herb. Gangale & Uzunov, Herb. Salerno, PORUN-Herb. Stinca

***Cornus sanguinea* L. subsp. *hungarica* (Kárpáti) Soó**

5 BAS Herb. Salerno

5 CAM HFLA

7 Herb. Caruso, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

8 Herb. Lattanzi

10 UTV

CRASSULACEAE

***Petrosedum ochroleucum* (Chaix) Niederle subsp. *mediterraneum* (L.Gallo)**

Niederle

[≡ *Sedum ochroleucum* Chaix subsp. *mediterraneum* L.Gallo]

5 BAS UTV

5 CAM HFLA

***Petrosedum rupestre* (L.) P.V.Heath**

[≡ *Sedum rupestre* L.]

5 BAS PAD

5 CAM HLUC

12 PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov, HLUC

***Petrosedum tenuifolium* (Sm.) Grulich**

[≡ *Sedum amplexicaule* DC. subsp. *tenuifolium* (Sm.) Greuter]

4 Herb. Majella

5 BAS PI

7 PI

12 APP

13 Herb. Gangale & Uzunov, Herb. Majella, HLUC

16 UTV

***Phedimus stellatus* (L.) Raf.**

[≡ *Sedum stellatum* L.]

2 PORUN-Herb. Stinca

5 BAS APP

5 CAM HFLA

16 UTV

18 Herb. Cancellieri, SIENA

***Sedum acre* L.**

16 HLUC, PORUN-Herb. Stinca

***Sedum album* L. subsp. *micranthum* (Bast. ex DC.) Syme**

[≡ *S. micranthum* Bast. ex DC.]

4 PAD, PORUN-Herb. Stinca

10 PAD

16 PAD, PORUN-Herb. Stinca

Sedum cepaea L.

4 PORUN-Herb. Stinca

7 PI

18 Herb. Gangale & Uzunov, HLUC

Sedum dasypetalum L. subsp. *dasyphyllum*

16 BI

Sedum hispanicum L.

1 Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca

4 HLUC

13 Herb. Gangale & Uzunov

16 Herb. Gangale & Uzunov, HLUC, UTV

18 HLUC

Sedum rubens L.

1 PI

5 BAS UTV

12 PAD

Sedum sexangulare L.

16 Herb. Gangale & Uzunov

Umbilicus horizontalis (Guss.) DC.

1 SIENA

16 PORUN-Herb. Stinca

18 HLUC

Umbilicus rupestris (Salisb.) Dandy

4 PORUN-Herb. Stinca

16 SIENA

CUCURBITACEAE

***Bryonia dioica* Jacq.**

- 1** CLU
4 PI, PORUN-Herb. Stinca
7 Herb. Caruso, HLUC
8 HLUC, PAD
10 HFLA
18 Herb. Gangale & Uzunov, HLUC

***Ecballium elaterium* (L.) A.Rich.**

- 1** PORUN-Herb. Stinca

CYPERACEAE

***Carex caryophyllea* Latourr.**

- 13** Herb. Cancellieri, Herb. Gangale & Uzunov

***Carex depauperata* Curtis ex With.**

- 13** Herb. Majella
18 BI, CLU, Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Lattanzi, Herb. Salerno, Herb. Tilia, HLUC, PORUN-Herb. Stinca, SIENA, TO

***Carex distachya* Desf.**

- 2** APP, Herb. Gangale & Uzunov
4 Herb. Gangale & Uzunov, Herb. Majella
13 APP, HLUC
18 Herb. Cancellieri, TO

***Carex divisa* Huds.**

- 8** Herb. Cancellieri

***Carex divulsa* Stokes**

- 2** Herb. Gangale & Uzunov
5 CAM UTV
7 Herb. Cancellieri, Herb. Gangale & Uzunov, TO, UTV

8 TO

10 Herb. Gangale & Uzunov, HFLA, PI

13 Herb. Gangale & Uzunov

18 CLU, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Lattanzi, HLUC, TO

***Carex flacca* Schreb. subsp. *erythrostachys* (Hoppe) Holub**

2 Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca

3 Herb. Cancellieri, Herb. Salerno

4 Herb. Gangale & Uzunov

7 Herb. Cancellieri, Herb. Gangale & Uzunov, TO

8 HLUC, IS, PI, PORUN-Herb. Stinca, TO

11 PI, TO

12 TO, UTV

18 Herb. Gangale & Uzunov, Herb. Lattanzi, TO

***Carex humilis* Leyss.**

12 HFLA, IS

Note - This taxon was recently discovered in Basilicata at Savoia di Lucania (Rosati et al. 2017).

***Carex otrubae* Podp.**

2 Herb. Gangale & Uzunov, Herb. Majella, PAD, PORUN-Herb. Stinca

5 BAS PAD, SIENA, TO

12 UTV

***Carex pendula* Huds.**

5 BAS SIENA

***Carex remota* L.**

13 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca

***Carex sylvatica* Huds.**

12 TO

13 Herb. Gangale & Uzunov, TO

Cyperus fuscus L.

9 PORUN-Herb. Stinca

Cyperus longus L.

5 BAS Herb. Cancellieri, PORUN-Herb. Stinca, SIENA

Schoenoplectus lacustris (L.) Palla

5 BAS APP, Herb. Cancellieri, Herb. Salerno, PI

Scirpoides holoschoenus (L.) Soják

[= *Holoschoenus romanus* (L.) Fritsch]

2 Herb. Gangale & Uzunov, PAD, PORUN-Herb. Stinca

5 BAS APP, PORUN-Herb. Stinca, SIENA, TO

8 HLUC

CYSTOPTERIDACEAE

Cystopteris fragilis (L.) Bernh.

4 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

DENNSTAEDTIACEAE

Pteridium aquilinum (L.) Kuhn subsp. *aquilinum*

7 HLUC, PORUN-Herb. Stinca

DIOSCOREACEAE

Dioscorea communis (L.) Caddick & Wilkin

[≡ *Tamus communis* L.]

18 PORUN-Herb. Stinca

DIPSACACEAE

Dipsacus fullonum L. subsp. *fullonum*

3 SIENA

E

***Knautia calycina* (C.Presl) Guss.**

[= *K. calabrica* (Szabò) Zangheri]

7 APP

8 APP, BI, Herb. Carli, HFLA, PAD

10 Herb. Cancellieri, Herb. Tilia, PI

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Knautia integrifolia* (L.) Bertol. subsp. *integrifolia

4 Herb. Gangale & Uzunov

5 BAS Herb. Cancellieri, Herb. Salerno

7 APP, Herb. Carli, Herb. Gangale & Uzunov, PI, PORUN-Herb. Stinca

***Saxifraga atropurpurea* (L.) Greuter & Burdet**

[= *Scabiosa atropurpurea* (L.) Greuter & Burdet subsp. *grandiflora* (Scop.) Soldano & F.Conti; = *Scabiosa maritima* L.]

1 PI

7 HFLA

8 Herb. Gangale & Uzunov

DRYOPTERIDACEAE

***Polystichum setiferum* (Forssk.) T.Moore ex Woyn.**

12 HLUC

EQUISETACEAE

***Equisetum arvense* L.**

5 BAS APP

ERICACEAE

***Monotropa hypophaea* Wallr.**

18 UTV

EUPHORBIACEAE

Euphorbia amygdaloides L.

12 CLU, SIENA

13 Herb. Cancellieri, Herb. Gangale & Uzunov

16 PI

18 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

E

Euphorbia coralliooides L.

18 BI, Herb. Gangale & Uzunov, HLUC, PI, PORUN-Herb. Stinca

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Euphorbia exigua L. subsp. *exigua*

3 GE, Herb. Cancellieri, SIENA

5 BAS UTV

7 BI, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

10 PORUN-Herb. Stinca

Euphorbia falcata L. subsp. *falcata*

7 Herb. Tilia

Euphorbia helioscopia L. subsp. *helioscopia*

4 Herb. Gangale & Uzunov

7 SIENA

Euphorbia phymatosperma Boiss. subsp. *cernua* (Coss. & Durieu ex Boiss.) Vindt

4 PORUN-Herb. Stinca

18 PI, PORUN-Herb. Stinca

Note - This taxon was recently reported in the study area by Del Guacchio (2010: “Aquilonia (Avellino), presso la stazione”) and Pignatti et al. (2017b: “lungo l’Ofanto ad Aquilonia”).

Mercurialis perennis L.

12 HLUC

13 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

FABACEAE

A NAT (BAS)
NEO *Amorpha fruticosa* L.
5 BAS APP, Herb. Salerno, PI, PORUN-Herb. Stinca, TO

Anthyllis vulneraria L. s.l.

2 APP, PORUN-Herb. Stinca

4 APP, Herb. Gangale & Uzunov, Herb. Majella, PAD, PORUN-Herb. Stinca

7 APP, CLU, HFLA

8 APP, Herb. Carli, HLUC

11 APP, CLU

12 APP, BI, Herb. Tilia, HLUC, PAD, PORUN-Herb. Stinca

13 APP, HFLA

15 APP

16 PI

Note - *Anthyllis vulneraria* complex is a critical group well known for its remarkable morphological variation that led to recognition for Italian flora fifteen subspecies (Bartolucci et al. 2018a). However, the diacritical characters between these subspecies are not well defined and further investigations aimed to clarify the taxonomic value of these subspecies are needs. For these reasons, at present the attribution to the intrapecific rank of the collected samples in the study area is not possible.

Astragalus glycyphyllos L.

13 Herb. Gangale & Uzunov

Astragalus hamosus L.

1 Herb. Cancellieri, PAD, PORUN-Herb. Stinca

2 PI

3 BI, CLU, Herb. Cancellieri, Herb. Salerno, HLUC, UTV

5 BAS Herb. Salerno

16 Herb. Gangale & Uzunov

Astragalus monspessulanus L. subsp. *monspessulanus*

2 Herb. Caruso, PAD

8 HLUC, PI, PORUN-Herb. Stinca

Astragalus sesameus L.

- 7** APP, Herb. Tilia, PORUN-Herb. Stinca
8 APP

Bituminaria bituminosa (L.) C.H.Stirt.

- 1** APP
5 CAM Herb. Lattanzi, UTV

Colutea arborescens L.

- 1** APP, HLUC, PI
2 HLUC
7 Herb. Cancellieri, HFLA, IS, PORUN-Herb. Stinca
8 IS
18 BI, Herb. Gangale & Uzunov, HLUC

Coronilla scorpioides (L.) W.D.J.Koch

- 2** Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca
3 Herb. Cancellieri, UTV
7 GE, Herb. Cancellieri, Herb. Salerno, Herb. Tilia, HFLA, HLUC, PAD, PI, PORUN-Herb. Stinca, SIENA
8 Herb. Caruso

Cytisophyllum sessilifolium (L.) O.Lang

[≡ *Cytisus sessilifolius* L.]

- 10** Herb. Gangale & Uzunov
11 Herb. Salerno, PORUN-Herb. Stinca, UTV

Cytisus hirsutus L.

- 12** UTV
13 APP, Herb. Gangale & Uzunov, Herb. Majella

Cytisus scoparius (L.) Link subsp. *scoparius*

- 7** Herb. Salerno, HFLA, HLUC, PORUN-Herb. Stinca

***Cytisus spinescens* Sieber ex Spreng.**

3 Herb. Salerno

***Cytisus villosus* Pourr.**

3 BI

12 Herb. Carli

18 Herb. Lattanzi, PORUN-Herb. Stinca

Emerus major* Mill. subsp. *major

[= *Coronilla emerus* L. subsp. *emerus*]

5 CAM HLUC, UTV

7 HLUC

16 Herb. Gangale & Uzunov, PI

18 Herb. Gangale & Uzunov, HLUC, PI, PORUN-Herb. Stinca, UTV

***Ervilia loiseleurii* (M.Bieb.) H.Schaeff.**

[≡ *Vicia loiseleurii* (M.Bieb.) Litv.]

18 UTV

***Ervum gracile* DC.**

[= *Vicia parviflora* Cav.]

2 PI

3 APP, BI, CLU, GE, Herb. Cancellieri, Herb. Lattanzi, HLUC, PAD, UTV

8 Herb. Majella, Herb. Tilia, PORUN-Herb. Stinca, UTV

***Ervum pubescens* DC.**

[≡ *Vicia pubescens* (DC.) Link]

5 CAM UTV

18 Herb. Lattanzi

***Ervum tetraspermum* L.**

[≡ *Vicia tetrasperma* (L.) Schreb.]

8 APP, BI, IS

Genista sagittalis L.

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC

Genista tinctoria L.

4 Herb. Caruso, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

7 PI

11 CLU

15 IS

18 Herb. Lattanzi

Hippocrepis biflora Spreng.

[— *H. unisiliquosa* auct. Fl. Ital.]

3 Herb. Cancellieri, SIENA

5 CAM UTV

Hippocrepis comosa L. subsp. *comosa*

12 Herb. Carli, Herb. Tilia, PAD, UTV

13 Herb. Cancellieri, Herb. Gangale & Uzunov

Lathyrus aphaca L. subsp. *aphaca*

1 HLUC

3 GE, Herb. Salerno, PAD, TO, UTV

5 CAM CLU

8 BI, HLUC, IS

10 Herb. Tilia

16 Herb. Gangale & Uzunov

18 Herb. Gangale & Uzunov

Lathyrus cicera L.

7 CLU, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Tilia, PORUN-Herb. Stinca

Lathyrus clymenum L.

2 Herb. Gangale & Uzunov, Herb. Majella

4 Herb. Gangale & Uzunov, Herb. Majella

- 5** BAS PAD
5 CAM CLU
7 Herb. Salerno
8 HFLA
10 Herb. Salerno
18 Herb. Gangale & Uzunov

Lathyrus grandiflorus Sm.

- 11** HFLA

Lathyrus hirsutus L.

- 8** CLU, HLUC
11 CLU
15 HFLA

+BAS**

Lathyrus inconspicuus L.

- 16** PI

Lathyrus latifolius L.

- 7** PORUN-Herb. Stinca

Lathyrus nissolia L.

- 11** BI, CLU, Herb. Carli, Herb. Lattanzi, Herb. Tilia, PI, UTV
12 UTV

Lathyrus ochrus (L.) DC.

- 3** CLU, GE, PORUN-Herb. Stinca, UTV

A CAS (BAS)
ARC

Lathyrus oleraceus Lam. subsp. *oleraceus*
[= *Pisum sativum* L. subsp. *sativum*]
5 BAS PI, PORUN-Herb. Stinca

Lathyrus pratensis L. subsp. *pratensis*
8 PI

11 HLUC

12 Herb. Salerno, IS, UTV

***Lathyrus setifolius* L.**

7 GE

8 Herb. Cancellieri, Herb. Tilia

***Lathyrus sphaericus* Retz.**

7 CLU, Herb. Cancellieri, Herb. Salerno

8 APP, GE

Lathyrus sylvestris* L. subsp. *sylvestris

3 Herb. Cancellieri

5 BAS BI

5 CAM HLUC

7 HLUC, UTV

***Lathyrus venetus* (Mill.) Wohlf.**

7 HLUC

10 HFLA

15 IS

18 Herb. Carli, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

12 HLUC, UTV

***Lotus angustissimus* L.**

8 CLU

Lotus corniculatus* L. subsp. *corniculatus

7 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

8 Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca

10 HLUC

12 PORUN-Herb. Stinca

***Lotus herbaceus* (Vill.) Jauzein**

[≡ *Dorycnium herbaceum* Vill.]

1 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

2 Herb. Caruso, PAD, PI, PORUN-Herb. Stinca

7 Herb. Tilia, PI

8 Herb. Carli, HLUC, SIENA, UTV

***Lotus hirsutus* L.**

[≡ *Dorycnium hirsutum* (L.) Ser.]

2 Herb. Caruso, PORUN-Herb. Stinca

5 BAS BI

5 CAM HLUC

10 Herb. Cancellieri, Herb. Carli

***Lotus ornithopodioides* L.**

3 UTV

5 BAS Herb. Salerno, PAD

7 GE

***Lotus tenuis* Waldst. & Kit. ex Willd.**

8 HFLA, HLUC

***Lupinus albus* L. subsp. *graecus* (Boiss. & Spruner) Franco & P.Silva**

13 Herb. Gangale & Uzunov, Herb. Majella, HLUC

Note - This taxon was recently discovered in Basilicata at Sasso di Castalda (Rosati et al. 2017).

+CAM**

***Medicago ×varia* Martyn**

[*M. falcata* L. × *M. sativa* L.]

1 Herb. Gangale & Uzunov

7 SIENA

Medicago falcata* L. subsp. *falcata

[≡ *M. sativa* L. subsp. *falcata* (L.) Arcang.]

1 Herb. Cancellieri, HLUC

2 Herb. Caruso, CLU, Herb. Lattanzi, Herb. Salerno, UTV

7 Herb. Tilia, HLUC

16 HLUC

+CAM**

***Medicago glutinosa* M.Bieb.**

1 Herb. Majella

Note - The Italian distribution of this taxon includes Lombardia, Veneto, Liguria, Toscana and no longer recorded in Emilia-Romagna, while it is considered doubtful in Umbria, Marche and Calabria (Bartolucci et al. 2018a). Therefore, our findings confirm its presence in southern Italy.

***Medicago lupulina* L.**

1 UTV

2 HLUC

5 CAM HFLA

7 Herb. Gangale & Uzunov

10 Herb. Carli

12 Herb. Carli

16 HLUC

***Medicago minima* (L.) L.**

1 Herb. Gangale & Uzunov, HLUC, PAD, PORUN-Herb. Stinca

5 BAS Herb. Cancellieri, UTV

5 CAM HFLA

7 CLU, Herb. Gangale & Uzunov, Herb. Tilia, PI

18 CLU

+CAM**

***Medicago muricoleptis* Tineo**

3 Herb. Lattanzi, UTV

8 CLU, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, Herb. Tilia, HFLA, PORUN-Herb. Stinca, UTV

***Medicago orbicularis* (L.) Bartal.**

1 Herb. Lattanzi, PORUN-Herb. Stinca

10 PORUN-Herb. Stinca

16 Herb. Cancellieri

Medicago polymorpha L.

1 Herb. Lattanzi, PAD, PORUN-Herb. Stinca

2 Herb. Caruso

5 BAS SIENA

5 CAM UTV

8 BI

10 PORUN-Herb. Stinca

11 CLU

Medicago rigidula (L.) All.

1 GE, Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov

A NAT (CAM)

A NAT (BAS)

ARC

Medicago sativa L.

7 PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov

Medicago scutellata (L.) Mill.

3 Herb. Cancellieri, Herb. Lattanzi, UTV

7 BI, Herb. Cancellieri, Herb. Tilia

Medicago truncatula Gaertn.

1 Herb. Cancellieri, PORUN-Herb. Stinca

7 Herb. Cancellieri, Herb. Tilia

8 CLU

Onobrychis aequidentata (Sm.) d'Urv.

5 CAM CLU, HLUC, UTV

7 Herb. Cancellieri

Onobrychis alba (Waldst. & Kit.) Desv. subsp. *alba*

3 APP, CLU

- E**
- Onobrychis caput-galli* (L.) Lam.
2 PORUN-Herb. Stinca
5 CAM GE, HLUC, UTV
7 Herb. Gangale & Uzunov, Herb. Tilia
- Ononis oligophylla* Ten.
8 APP, Herb. Lattanzi, Herb. Majella, Herb. Salerno, IS, PAD, PI, TO, UTV
- Ononis reclinata* L.
7 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov
- Ononis spinosa* L. subsp. *spinosa*
3 UTV
7 UTV
8 APP, BI, GE, Herb. Caruso, Herb. Gangale & Uzunov, Herb. Tilia, HLUC, PI, PORUN-Herb. Stinca
- Ononis viscosa* L. subsp. *breviflora* (DC.) Nyman
3 APP, CLU, GE, Herb. Cancellieri, Herb. Lattanzi, HLUC, PI, UTV
5 BAS UTV
10 PI, PORUN-Herb. Stinca
- Ornithopus compressus* L.
13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov
- | | |
|-------------|--------------------------------|
| A INV (CAM) | <i>Robinia pseudoacacia</i> L. |
| A INV (BAS) | 3 TO |
| NEO | 16 PORUN-Herb. Stinca |
- Scorpiurus subvillosum* L.
2 Herb. Caruso, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca
3 APP, GE, Herb. Cancellieri, SIENA
5 CAM UTV
7 Herb. Tilia, UTV

Spartium junceum L.

7 Herb. Salerno

Sulla coronaria (L.) B.H.Choi & H.Ohashi

2 PORUN-Herb. Stinca

Trifolium angustifolium L. subsp. *angustifolium*

1 Herb. Salerno, PORUN-Herb. Stinca

2 Herb. Caruso

5 CAM CLU, UTV

7 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Tilia, UTV

8 Herb. Cancellieri, Herb. Lattanzi, Herb. Majella, Herb. Salerno, Herb. Tilia

18 Herb. Lattanzi, UTV

Trifolium arvense L. subsp. *arvense*

5 CAM UTV

7 HLUC

13 Herb. Cancellieri

16 Herb. Tilia, HLUC, UTV

Trifolium campestre Schreb.

1 Herb. Cancellieri, Herb. Lattanzi, PAD, PORUN-Herb. Stinca, UTV

2 HLUC

4 HLUC

5 CAM HFLA

7 Herb. Carli, Herb. Salerno, HLUC, PAD

8 Herb. Lattanzi, PORUN-Herb. Stinca, UTV

10 HLUC

13 Herb. Cancellieri

16 Herb. Cancellieri, HLUC

18 Herb. Lattanzi, HLUC, UTV

Trifolium cherleri L.

7 Herb. Cancellieri, Herb. Salerno, Herb. Tilia, UTV

8 PAD

***Trifolium glomeratum* L.**

5 BAS Herb. Cancellieri, UTV

5 CAM HFLA

7 Herb. Gangale & Uzunov, Herb. Salerno, PORUN-Herb. Stinca, UTV

13 GE, UTV

18 UTV

***Trifolium incarnatum* L. subsp. *molinerii* (Balb. ex Hornem.) Ces.**

2 Herb. Caruso

4 Herb. Gangale & Uzunov, HLUC, PAD, PORUN-Herb. Stinca

7 Herb. Salerno, Herb. Tilia, HLUC, UTV

8 PAD

10 Herb. Salerno, HLUC, UTV

11 Herb. Lattanzi

12 Herb. Tilia, UTV

13 Herb. Cancellieri

16 Herb. Cancellieri

Note - Some specimens collected in the sites Nr. 4 (Herb. Majella) and Nr. 11 (PORUN-Herb. Stinca) shows intermediate characters between the subsp. *incarnatum* and subsp. *molinerii* (Balb. ex Hornem.) Ces.

***Trifolium lappaceum* L.**

3 APP, CLU, GE, Herb. Cancellieri, Herb. Lattanzi, Herb. Salerno, HLUC, PI, UTV

8 BI, Herb. Cancellieri, Herb. Tilia, HFLA, UTV

18 Herb. Salerno, UTV

***Trifolium leucanthum* M.Bieb.**

8 Herb. Tilia, UTV

10 CLU, Herb. Cancellieri, Herb. Lattanzi, UTV

11 Herb. Tilia, UTV

16 Herb. Gangale & Uzunov

***Trifolium lucanicum* Gasp. ex Guss.**

[≡ *T. scabrum* L. subsp. *lucanicum* (Gasp. ex Guss.) Pignatti]

16 Herb. Gangale & Uzunov, Herb. Salerno, HLUC, UTV

***Trifolium micranthum* Viv.**

11 UTV

***Trifolium multistriatum* W.D.J.Koch**

5 CAM CLU, UTV

Note - The observations made during this study allowed Scoppola et al. (2016) to confirm the presence of this species in Campania.

Trifolium nigrescens* Viv. subsp. *nigrescens

5 BAS APP, Herb. Salerno, UTV

5 CAM HFLA

18 UTV

***Trifolium obscurum* Savi**

3 UTV

18 UTV

***Trifolium ochroleucon* Huds.**

5 BAS Herb. Cancellieri

8 Herb. Cancellieri

10 Herb. Cancellieri, HFLA

11 BI

12 UTV

***Trifolium pallidum* Waldst. & Kit.**

1 PI

2 HLUC

3 GE, Herb. Lattanzi, HLUC, PAD, UTV

5 CAM CLU, Herb. Lattanzi

7 PI

8 Herb. Carli, Herb. Gangale & Uzunov, Herb. Lattanzi, Herb. Salerno, Herb. Tilia, HLUC, IS, SIENA, UTV

10 Herb. Cancellieri, Herb. Tilia

11 Herb. Tilia

18 UTV

Trifolium pratense* L. subsp. *pratense

1 Herb. Lattanzi

4 Herb. Gangale & Uzunov, Herb. Lattanzi

5 BAS PORUN-Herb. Stinca, UTV

11 Herb. Lattanzi

13 HLUC

18 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca, UTV

*Note - In the sites Nr. 5 BAS (PORUN-Herb. Stinca, UTV) and Nr. 18 (HLUC, PORUN-Herb. Stinca), individuals classified as var. *sativum* Schreb. [= *T. pratense* L. subsp. *sativum* (Schreb.) Schuebl. & Mart.] have been found. However, the most of the authors do not attribute taxonomic value to this variety.*

***Trifolium repens* L.**

[= *T. repens* L. subsp. *prostratum* Nyman]

5 CAM UTV

7 UTV

8 UTV

11 Herb. Lattanzi, UTV

***Trifolium resupinatum* L.**

1 Herb. Cancellieri, Herb. Lattanzi, PAD, UTV

5 BAS Herb. Salerno

7 Herb. Salerno, UTV

8 Herb. Carli, HLUC, UTV

10 Herb. Carli

11 Herb. Carli, Herb. Lattanzi, PAD, UTV

15 HFLA

18 Herb. Lattanzi, UTV

Trifolium scabrum L.

- 1** Herb. Cancellieri, PORUN-Herb. Stinca
3 CLU, Herb. Cancellieri, UTV
5 BAS Herb. Cancellieri, Herb. Salerno, UTV
5 CAM HFLA
7 UTV
13 Herb. Cancellieri
18 UTV

Trifolium sebastiani Savi

- 5 CAM** UTV

Trifolium squamosum L.

- 3** CLU, GE, Herb. Lattanzi
5 CAM CLU
8 CLU, Herb. Cancellieri, Herb. Tilia, UTV
10 Herb. Lattanzi,
11 CLU, Herb. Lattanzi, Herb. Tilia, UTV
12 Herb. Lattanzi
18 UTV

Trifolium squarrosum L.

- 3** APP, GE, Herb. Lattanzi, HLUC, PAD, PORUN-Herb. Stinca, UTV
5 BAS Herb. Salerno
10 CLU, Herb. Carli, Herb. Tilia
16 HLUC
18 Herb. Lattanzi, UTV

Trifolium stellatum L.

- 1** Herb. Gangale & Uzunov, PORUN-Herb. Stinca
7 HLUC, UTV
8 Herb. Salerno
10 HLUC
16 UTV

Trifolium striatum* L. subsp. *striatum

7 Herb. Salerno, UTV

8 Herb. Cancellieri

10 Herb. Salerno, PORUN-Herb. Stinca

***Trifolium striatum* L. subsp. *tenuiflorum* (Ten.) Arcang.**

5 CAM UTV

10 CLU, Herb. Lattanzi, PAD, UTV

***Trifolium strictum* L.**

8 UTV

13 Herb. Cancellieri, UTV

***Trifolium subterraneum* L. subsp. *oxalooides* Nyman**

1 GE, Herb. Salerno

3 UTV

5 CAM UTV

7 UTV

8 APP

11 UTV

18 UTV

Note - This taxon was recently confirmed for Campania just outside our study area by Del Guacchio (2010): "Lacedonia (Avellino), loc. Putilicchio".

***Trifolium tomentosum* L.**

1 GE, Herb. Cancellieri, Herb. Majella, Herb. Salerno, PAD, PORUN-Herb. Stinca

3 CLU, GE

8 UTV

***Trifolium vesiculosum* Savi**

5 CAM CLU

***Trigonella alba* (Medik.) Coulot & Rabaute**

[≡ *Melilotus albus* Medik.]

1 SIENA

3 PI

***Trigonella altissima* (Thuill.) Coulot & Rabaute**

[≡ *Melilotus altissimus* Thuill.]

9 PORUN-Herb. Stinca

***Trigonella sulcata* (Desf.) Coulot & Rabaute**

[≡ *Melilotus sulcatus* Desf.; = *M. neapolitanus* Ten.]

1 PAD, PORUN-Herb. Stinca, SIENA

3 APP, BI, CLU, GE, Herb. Cancellieri, Herb. Lattanzi, PAD, UTV

7 Herb. Tilia

8 GE, Herb. Salerno, Herb. Tilia, HFLA

10 Herb. Cancellieri, PORUN-Herb. Stinca

11 Herb. Lattanzi

16 HLUC, UTV

***Trigonella wojciechowskii* Coulot & Rabaute**

[– *Melilotus neapolitanus* auct.]

16 Herb. Cancellieri, Herb. Carli, Herb. Tilia, UTV

***Vicia angustifolia* L.**

[= *V. sativa* L. subsp. *nigra* (L.) Ehrh.]

7 CLU, Herb. Tilia

***Vicia bithynica* (L.) L.**

3 Herb. Cancellieri, Herb. Lattanzi, UTV

7 BI, Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA, UTV

8 Herb. Gangale & Uzunov, Herb. Salerno, PI

10 UTV

11 Herb. Lattanzi, PI, PORUN-Herb. Stinca

Vicia cassubica L.

11 PI

A CAS (BAS)
ARC

Vicia faba L.

5 BAS PORUN-Herb. Stinca

Vicia grandiflora Scop.

5 BAS BI

18 GE, Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC, PI, SIENA

Vicia hybrida L.

1 Herb. Gangale & Uzunov
7 CLU, Herb. Tilia

Vicia lutea L.

3 Herb. Cancellieri

Vicia onobrychoides L.

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb.
Stinca

Vicia sepium L.

12 Herb. Salerno, UTV

Vicia serratifolia Jacq.

[≡ *V. narbonensis* L. subsp. *serratifolia* (Jacq.) Ces.]

5 BAS Herb. Cancellieri, Herb. Salerno, PORUN-Herb. Stinca, TO

Note - This taxon was recently confirmed in Campania at Padula (Rosati et al. 2017).

Vicia villosa Roth group

8 APP, GE, Herb. Gangale & Uzunov, HFLA, HLUC, PI

11 CLU, Herb. Salerno

Note - The specimens collected shows intermediate characters between *Vicia dasycarpa* Ten. and *Vicia villosa* Roth.

FAGACEAE

Castanea sativa Mill.

7 BI, HLUC, PORUN-Herb. Stinca, SIENA

Fagus sylvatica L. subsp. *sylvatica*

12 Herb. Caruso, Herb. Salerno, PORUN-Herb. Stinca

Quercus cerris L.

2 Herb. Caruso

4 PORUN-Herb. Stinca

7 HLUC, IS

10 Herb. Gangale & Uzunov

12 Herb. Salerno

15 IS

Quercus ilex L. subsp. *ilex*

18 HLUC

Quercus pubescens Willd. subsp. *pubescens*

2 PORUN-Herb. Stinca

7 Herb. Salerno, HLUC, IS

10 IS

GENTIANACEAE

Blackstonia perfoliata (L.) Huds. subsp. *perfoliata*

1 Herb. Caruso

2 PORUN-Herb. Stinca

7 APP, Herb. Gangale & Uzunov, HLUC, PAD, UTV

8 APP, GE, Herb. Caruso, Herb. Salerno, HLUC, IS, PI

Centaurium erythraea Rafn subsp. *erythraea*

2 HLUC

5 BAS BI, TO

7 SIENA

GERANIACEAE

***Erodium botrys* (Cav.) Bertol.**

13 Herb. Gangale & Uzunov

***Erodium cicutarium* (L.) L'Hér.**

7 Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca, TO

Erodium malacoides* (L.) L'Hér. subsp. *malacoides

1 TO

3 TO

Geranium asphodeloides* Burm.f. subsp. *asphodeloides

7 GE

12 APP, CLU, Herb. Carli, Herb. Lattanzi, Herb. Tilia, IS, PI, SIENA, TO, UTV

13 HFLA

***Geranium columbinum* L.**

7 CLU, Herb. Gangale & Uzunov, PORUN-Herb. Stinca, TO

***Geranium dissectum* L.**

3 TO

***Geranium lucidum* L.**

7 Herb. Cancellieri, Herb. Salerno, HLUC, PORUN-Herb. Stinca, TO

10 Herb. Gangale & Uzunov

12 TO

18 TO

***Geranium molle* L.**

1 Herb. Gangale & Uzunov, HLUC, TO

5 BAS PORUN-Herb. Stinca

7 TO

Geranium purpureum Vill.

7 PORUN-Herb. Stinca

13 HLUC

Geranium pyrenaicum Burm.f. subsp. *pyrenaicum*

1 TO

12 TO

13 Herb. Gangale & Uzunov

Geranium robertianum L.

7 TO

12 TO

18 TO

Geranium rotundifolium L.

1 TO

5 BAS PAD

7 TO

16 Herb. Gangale & Uzunov

Geranium sanguineum L.

4 Herb. Majella, HLUC, PORUN-Herb. Stinca

10 Herb. Gangale & Uzunov

11 HLUC

12 PAD

13 Herb. Majella, HLUC, PORUN-Herb. Stinca

Geranium sylvaticum L.

13 Herb. Gangale & Uzunov

Geranium versicolor L.

7 HFLA, HLUC, PORUN-Herb. Stinca, UTV

12 APP, PAD, SIENA, TO

13 HLUC

HELIOTROPIACEAE

Heliotropium europaeum L.

5 BAS PORUN-Herb. Stinca

5 CAM HFLA

HYDRANGEACEA

+CAM**

A CAS (CAM)

NEO

Philadelphus coronarius L.

1 CLU

HYPERICACEAE

Hypericum montanum L.

13 Herb. Cancellieri, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

18 Herb. Cancellieri

Hypericum perfoliatum L.

1 BI

13 APP, HLUC

16 Herb. Carli

18 SIENA, UTV

Hypericum perforatum L. subsp. *veronense* (Schrank) Ces.

1 Herb. Caruso, Herb. Gangale & Uzunov, PI

5 BAS PORUN-Herb. Stinca, SIENA

10 HLUC

16 Herb. Gangale & Uzunov, Herb. Tilia

IRIDACEAE

Chamaeiris lorea (Janka) Peruzzi, F.Conti & Bartolucci

[≡ *Iris lorea* Janka; = *I. collina* N.Terracc.]

3 APP, PI, PORUN-Herb. Stinca, SIENA

18 Herb. Salerno

Note - This taxon was recently confirmed for Campania and reported in the study area by Del Guacchio (2007, sub *Iris lorea* Janka): "Aquilona (Avellino), Bosco di Sassano, nei pressi della stazione".

E ***Crocus biflorus* Mill.**
1 HLUC
5 CAM HLUC
Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

E ***Crocus imperati* Ten.**
1 PORUN-Herb. Stinca
Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

C (CAM)
C (BAS)

***Gladiolus italicus* Mill.**
7 Herb. Gangale & Uzunov, HFLA
8 PI
10 Herb. Tilia

***Hermodactylus tuberosus* (L.) Mill.**
5 CAM HLUC
18 HLUC

***Romulea columnae* Sebast. & Mauri**
12 APP
16 PI

JUNCACEAE

Juncus articulatus* L. subsp. *articulatus
5 BAS APP
7 Herb. Salerno, PORUN-Herb. Stinca
9 PORUN-Herb. Stinca

***Juncus hybridus* Brot.**
5 BAS PAD
5 CAM UTV
7 APP, PORUN-Herb. Stinca

Luzula forsteri (Sm.) DC.

4 PORUN-Herb. Stinca

7 Herb. Majella, HLUC, PORUN-Herb. Stinca

Luzula multiflora (Ehrh.) Lej. subsp. *multiflora*

13 Herb. Gangale & Uzunov

E

Luzula sylvatica (Huds.) Gaudin subsp. *sicula* (Parl.) K.Richt.

12 APP, Herb. Carli, Herb. Lattanzi, HLUC, IS, UTV

13 Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA, HLUC

LAMIACEAE

Ajuga chamaepitys (L.) Schreb. subsp. *chamaepitys*

1 SIENA

2 Herb. Caruso

3 CLU, Herb. Cancellieri, Herb. Lattanzi, Herb. Salerno

7 CLU, GE, Herb. Gangale & Uzunov, Herb. Tilia, HFLA, IS, PORUN-Herb. Stinca, TO, UTV

18 Herb. Gangale & Uzunov

Ajuga reptans L.

12 PORUN-Herb. Stinca, TO

13 Herb. Gangale & Uzunov

18 Herb. Gangale & Uzunov

Ballota nigra L. subsp. *uncinata* (Bég.) Patzak

1 APP, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PI, SIENA, TO

2 Herb. Caruso

8 HLUC

18 PORUN-Herb. Stinca

Clinopodium vulgare L. subsp. *arundanum* (Boiss.) Nyman

4 PORUN-Herb. Stinca

18 Herb. Cancellieri

Clinopodium vulgare L. subsp. *vulgare*

2 Herb. Caruso

10 PI

Lamium bifidum Cirillo subsp. *bifidum*

18 PORUN-Herb. Stinca

Lamium flexuosum Ten.

7 APP, UTV

12 Herb. Tilia, SIENA

13 Herb. Gangale & Uzunov, HLUC

Lamium garganicum L. subsp. *garganicum*

16 Herb. Gangale & Uzunov, Herb. Salerno, TO

Lamium purpureum L.

1 HLUC

Lycopus europaeus L.

5 BAS SIENA, TO

2 PORUN-Herb. Stinca

Marrubium vulgare L.

1 APP, Herb. Caruso, PI, PORUN-Herb. Stinca, TO

2 Herb. Caruso

8 Herb. Caruso, HLUC

+BAS**

C (BAS)

Melissa officinalis L. subsp. *officinalis*

18 Herb. Salerno

Melittis melissophyllum L. subsp. *albida* (Guss.) P.W.Ball

4 APP, Herb. Gangale & Uzunov, HLUC, PAD, PI, PORUN-Herb. Stinca

7 HLUC

13 GE, HLUC, TO, UTV

Mentha aquatica* L. subsp. *aquatica

2 PORUN-Herb. Stinca

***Micromeria graeca* (L.) Benth. ex Rchb. s.l.**

1 APP, BI, Herb. Caruso, PI, PORUN-Herb. Stinca, TO

7 BI, CLU, Herb. Cancellieri, Herb. Tilia, HFLA, PAD, UTV

16 CLU, Herb. Salerno, HLUC, PORUN-Herb. Stinca, TO

Note - Micromeria graeca complex is a critical group well known for its remarkable morphological variation that led to recognition for Italian flora six subspecies (Bartolucci et al. 2018a). However, the diacritical characters between these subspecies are not well defined and further investigations aimed to clarify the taxonomic value of these subspecies are needs. For these reasons, at present the attribution to the intra-specific rank of the collected samples in the study area is not possible.

***Origanum vulgare* L. subsp. *viridulum* (Martrin-Donos) Nyman**

[= *O. heracleoticum* L.]

1 UTV

3 Herb. Salerno

18 Herb. Carli

Phlomis herba-venti* L. subsp. *herba-venti

2 PORUN-Herb. Stinca

3 APP, GE, Herb. Salerno, PI, TO

7 PI

8 APP, GE, Herb. Cancellieri, Herb. Caruso, Herb. Gangale & Uzunov, Herb. Lattanzi, Herb. Majella, Herb. Tilia, IS, PORUN-Herb. Stinca, SIENA

***Prunella laciniata* (L.) L.**

2 Herb. Gangale & Uzunov

7 Herb. Cancellieri, Herb. Caruso, Herb. Gangale & Uzunov, PORUN-Herb. Stinca, SIENA, TO

8 IS

11 PORUN-Herb. Stinca

Prunella vulgaris L. subsp. *vulgaris*

5 BAS BI

7 Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Tilia, HLUC, PORUN-Herb. Stinca, TO

18 Herb. Gangale & Uzunov, PORUN-Herb. Stinca, TO

Salvia pratensis L. subsp. *pratensis*

18 CLU

Salvia verbenaca L.

7 Herb. Gangale & Uzunov

8 HFLA

Scutellaria columnae All. subsp. *columnae*

5 BAS PAD

18 CLU, Herb. Gangale & Uzunov, HLUC, PI, PORUN-Herb. Stinca, TO

Stachys germanica L. subsp. *germanica*

7 Herb. Majella

Stachys germanica L. subsp. *salviifolia* (Ten.) Gams

1 APP, PI

5 BAS PORUN-Herb. Stinca

8 Herb. Tilia, HLUC

10 HLUC

16 APP, HLUC, TO

Stachys heraclea All.

2 Herb. Caruso, Herb. Majella, PORUN-Herb. Stinca

3 APP, CLU, Herb. Cancellieri, PI, PORUN-Herb. Stinca, SIENA

7 Herb. Gangale & Uzunov, HFLA

8 Herb. Cancellieri, Herb. Caruso, HLUC, PI

10 PORUN-Herb. Stinca

18 CLU

***Stachys romana* (L.) E.H.L.Krause**

[≡ *Sideritis romana* L. subsp. *romana*]

3 UTV

7 APP, Herb. Gangale & Uzunov, Herb. Majella, PAD, TO

***Stachys sylvatica* L.**

13 Herb. Gangale & Uzunov

18 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca, TO, UTV

Teucrium capitatum* L. subsp. *capitatum

5 BAS SIENA, UTV

7 APP, Herb. Gangale & Uzunov, HLUC, IS, PORUN-Herb. Stinca

Teucrium chamaedrys* L. subsp. *chamaedrys

1 Herb. Salerno, PORUN-Herb. Stinca, TO

7 TO

8 Herb. Salerno, IS

12 Herb. Tilia

18 SIENA

Teucrium flavum* L. subsp. *flavum

16 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC, PAD, PORUN-Herb. Stinca

Teucrium fruticans* L. subsp. *fruticans

1 Herb. Caruso

2 Herb. Caruso

Note - This taxon was found in anthropic environments and probably spread by the seeds of nearby cultivated plants.

***Teucrium montanum* L.**

12 Herb. Carli, Herb. Salerno, UTV

13 HFLA

Thymus longicaulis* C.Presl subsp. *longicaulis

11 APP, PORUN-Herb. Stinca

12 APP, CLU, PAD

E

***Thymus picentinus* (Lacaita) Bartolucci**

13 APP, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Note - This taxon received the conservation status DD (data deficient) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018). The specimens collected during this study allowed Bartolucci & Mráz (2016) to ascertain the presence of this species and to re-evaluate its taxonomic status.

Thymus striatus* Vahl subsp. *striatus

12 APP, CLU, Herb. Tilia, HLUC, PORUN-Herb. Stinca, UTV

13 HFLA

+BAS**

Thymus ×korpii* Ronniger nothosubsp. *korpii

[*Th. longicaulis* C.Presl subsp. *longicaulis* × *Th. striatus* Vahl subsp. *striatus*]

12 PORUN-Herb. Stinca, UTV

Note - This taxon was recently discovered for Italy in Campania at Padula (Rosati et al. 2017, sub *Thymus longicaulis* C. Presl × *Thymus striatus* Vahl).

***Ziziphora granatensis* (Boiss. & Reut.) Melnikov s.l.**

[= *Acinos alpinus* (L.) Moench s.l.; = *Clinopodium alpinum* (L.) Kuntze s.l.]

1 APP, PAD, PI, PORUN-Herb. Stinca, TO

2 PI

4 Herb. Gangale & Uzunov

5 BAS TO

7 PORUN-Herb. Stinca, TO

8 APP, BI, HFLA, HLUC, PAD, PORUN-Herb. Stinca

11 APP

12 APP, BI, CLU, Herb. Carli, PORUN-Herb. Stinca

13 APP, Herb. Gangale & Uzunov

16 PORUN-Herb. Stinca, TO

Note - *Ziziphora granatensis* complex is a critical group well known for its remarkable morphological variation that led to recognition for Italian flora three (Bartolucci et al. 2018a) or two subspecies (Bartolucci et al. 2019b). However, the diacritical characters between these subspecies are not well

defined and further investigations aimed to understand its variability in Italy are needs. For these reasons, at present the attribution to the intrapecific rank of the collected samples in the study area is not possible.

LILIACEAE

***Lilium bulbiferum* L. subsp. *croceum* (Chaix) Jan**

12 Herb. Salerno, HLUC

18 PI

LINACEAE

***Linum strictum* L.**

[= *L. strictum* L. subsp. *spicatum* (Pers.) Nyman]

3 APP, BI, GE, Herb. Cancellieri

5 BAS BI, UTV

7 APP, BI, GE, Herb. Gangale & Uzunov, Herb. Majella, Herb. Tilia, HLUC, PORUN-Herb. Stinca, UTV

8 Herb. Gangale & Uzunov, Herb. Salerno

11 Herb. Tilia

***Linum trigynum* L.**

3 UTV

8 PI

***Linum usitatissimum* L. subsp. *angustifolium* (Huds.) Thell.**

[= *L. bienne* Mill.]

5 BAS PAD

7 Herb. Gangale & Uzunov, HLUC, PI, PORUN-Herb. Stinca

8 CLU, Herb. Majella

12 Herb. Carli, Herb. Tilia, PAD

13 Herb. Gangale & Uzunov, Herb. Majella

LYTHRACEAE

Lythrum hyssopifolia L.

5 BAS PAD

18 CLU

MALVACEAE

Althaea cannabina L.

5 BAS SIENA

Malope malacoides L. subsp. *malacoides*

1 PAD, PI, UTV

2 HLUC, PORUN-Herb. Stinca

3 APP, GE, Herb. Cancellieri, Herb. Lattanzi, Herb. Salerno, PAD, PORUN-Herb. Stinca, SIENA

8 APP, Herb. Gangale & Uzunov, SIENA

Malva moschata L.

12 Herb. Salerno

13 Herb. Gangale & Uzunov

Malva setigera K.F.Schimp. & Spenn.

[= *Althaea hirsuta* L.]

8 PI, GE, Herb. Cancellieri, Herb. Salerno, Herb. Tilia

Malva sylvestris L.

1 PORUN-Herb. Stinca

16 Herb. Gangale & Uzunov

Tilia platyphyllos Scop. subsp. *cordifolia* (Besser) C.K.Schneid.

18 Herb. Salerno, HLUC

MORACEAE

Ficus carica L.

1 PORUN-Herb. Stinca, SIENA

OLEACEAE

*Fraxinus ornus L. subsp. *ornus**

5 BAS BI

16 Herb. Gangale & Uzunov, HLUC

18 Herb. Gangale & Uzunov, PI, PORUN-Herb. Stinca

Ligustrum vulgare L.

4 Herb. Caruso, PORUN-Herb. Stinca

5 CAM HLUC

7 PI

18 BI, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca, UTV

ONAGRACEAE

*Circaeа lutetiana L. subsp. *lutetiana**

13 PORUN-Herb. Stinca

*Epilobium tetragonum L. subsp. *tetragonum**

5 BAS PAD

ORCHIDACEAE

Anacamptis coriophora (L.) R.M.Bateman, Pridgeon & M.W.Chase

[≡ *Orchis coriophora* L.]

8 APP, PORUN-Herb. Stinca, SIENA, UTV

Anacamptis morio (L.) R.M.Bateman, Pridgeon & M.W.Chase

[≡ *Orchis morio* L.]

7 PORUN-Herb. Stinca

Anacamptis pyramidalis (L.) Rich.

[≡ *Orchis pyramidalis* L.]

1 PI

2 PORUN-Herb. Stinca

5 CAM Photo V.A. Romano

8 PORUN-Herb. Stinca

16 SIENA

18 Photo V.A. Romano (see Supplementary material S8)

Note - In the sites Nr. 2 (PORUN-Herb. Stinca, see Supplementary material S8) and Nr. 8 (PORUN-Herb. Stinca), individuals with white flowers classified as var. *nivea* P.Delforge have been found. However, the most of the authors do not attribute taxonomic value to this variety.

***Cephalanthera damasonium* (Mill.) Druce**

12 UTV (see Supplementary material S8)

***Cephalanthera longifolia* (L.) Fritsch**

12 APP

***Cephalanthera rubra* (L.) Rich.**

12 APP

***Dactylorhiza maculata* (L.) Soó subsp. *saccifera* (Brongn.) Diklić**

12 APP

***Dactylorhiza sambucina* (L.) Soó**

13 APP

***Epipactis microphylla* (Ehrh.) Sw.**

18 UTV

***Himantoglossum hircinum* (L.) Spreng.**

1 Photo V.A. Romano (see Supplementary material S8)

11 HLUC

12 Herb. Caruso, PORUN-Herb. Stinca, SIENA, UTV

***Neotinea tridentata* (Scop.) R.M.Bateman, Pridgeon & M.W.Chase**

[≡ *Orchis tridentata* Scop.]

12 PORUN-Herb. Stinca, SIENA

- Neottia nidus-avis* (L.) Rich.**
12 Photo V.A. Romano (see Supplementary material S8)
13 PORUN-Herb. Stinca
- Ophrys apifera* Huds.**
7 Photo V.A. Romano (see Supplementary material S8)
8 SIENA
10 PI
Note - In the sites Nr. 7 (Photo V.A. Romano, see Supplementary material S8), individuals classified as var. *fulvofusca* M.P.Grasso & Scrugli have been found. However, the most of the authors do not attribute taxonomic value to this variety.
- +CAM**
***Ophrys funerea* Viv.**
8 APP
- E
***Ophrys incubacea* Bianca**
7 PORUN-Herb. Stinca
- E
***Ophrys lucana* P.Delforge, Devillers-Tersch. & Devillers**
7 PORUN-Herb. Stinca
Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).
- E
***Ophrys tenthredinifera* Willd. subsp. *neglecta* (Parl.) E.G.Camus**
11 APP, SIENA
12 Photo V.A. Romano (see Supplementary material S8)
- Orchis italica* Poir.**
7 PORUN-Herb. Stinca
- Orchis mascula* (L.) L. subsp. *mascula***
7 PORUN-Herb. Stinca
12 APP

Orchis provincialis Balb. ex Lam. & DC.

7 PORUN-Herb. Stinca

Note - This taxon is indicated with the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Rossi et al. 2013).

Orchis purpurea Huds.

7 PORUN-Herb. Stinca

Serapias vomeracea (Burm.f.) Briq.

7 APP, PORUN-Herb. Stinca

8 APP, PORUN-Herb. Stinca, SIENA

OROBANCHACEAE

Bellardia trixago (L.) All.

[≡ *Bartsia trixago* L.]

2 PAD, PORUN-Herb. Stinca

3 PAD, SIENA

5 BAS TO

7 Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC, IS, PI, PORUN-Herb. Stinca, SIENA

8 IS, TO

10 Herb. Cancellieri, Herb. Tilia

Bellardia viscosa (L.) Fisch. & C.A.Mey.

[≡ *Parentucellia viscosa* (L.) Caruel]

7 PI

Euphrasia liburnica Wettst.

13 Herb. Cancellieri

Euphrasia stricta D.Wolff ex J.F.Lehm.

12 PI, UTV

Orobanche alba Stephan ex Willd.

13 APP, Herb. Gangale & Uzunov, HLUC

16 HLUC

***Orobanche amethystea* Thuill.**

15 APP

16 APP

***Orobanche artemisiae-campestris* Gaudin**

10 GE

13 GE

***Orobanche caryophyllacea* Sm.**

11 HLUC, PORUN-Herb. Stinca

12 CLU, Herb. Tilia, PORUN-Herb. Stinca

15 HFLA, PORUN-Herb. Stinca

***Orobanche hederae* Vaucher ex Duby**

4 PORUN-Herb. Stinca

13 APP

18 CLU, HLUC, PI, PORUN-Herb. Stinca

***Orobanche minor* Sm.**

7 APP, HLUC

13 APP

+BAS**

***Orobanche teucrii* Holandre**

12 APP, SIENA, UTV

***Parentucellia latifolia* (L.) Caruel**

12 Herb. Tilia

***Phelipanche ramosa* (L.) Pomel**

[≡ *Orobanche ramosa* L.]

7 IS

Phelipanche schultzii (Mutel) Pomel
[≡ *Orobanche schultzii* Mutel]
13 APP, HLUC

Rhinanthus minor L.
8 PI
11 APP, CLU, HLUC, PORUN-Herb. Stinca
12 Herb. Tilia

Rhinanthus wettsteinii (Sterneck) Soó
11 APP, PI
13 APP

OXALIDACEAE

C (CAM)	<i>Oxalis corniculata</i> L.
C (BAS)	16 Herb. Gangale & Uzunov, PORUN-Herb. Stinca
	20 PORUN-Herb. Stinca

PAPAVERACEAE

Chelidonium majus L.
7 Herb. Gangale & Uzunov
11 HLUC
12 Herb. Salerno
18 Herb. Gangale & Uzunov

Corydalis cava (L.) Schweigg. & Körte subsp. *cava*
18 PORUN-Herb. Stinca

Fumaria capreolata L. subsp. *capreolata*
18 Herb. Gangale & Uzunov

Fumaria officinalis L. subsp. *officinalis*
5 BAS PORUN-Herb. Stinca

+CAM**	<i>Fumaria officinalis</i> L. subsp. <i>wirtgenii</i> (W.D.J.Koch) Arcang. 7 PORUN-Herb. Stinca
C (CAM)	<i>Papaver pinnatifidum</i> Moris
C (BAS)	7 Herb. Salerno
	<i>Papaver rhoeas</i> L. subsp. <i>rhoeas</i> 1 PORUN-Herb. Stinca, SIENA 5 BAS PORUN-Herb. Stinca 18 PI

PLANTAGINACEAE

E	<i>Cymbalaria muralis</i> G.Gaertn., B.Mey. & Scherb. subsp. <i>muralis</i> 16 HLUC, SIENA
E	<i>Digitalis micrantha</i> Roth ex Schweigg. 7 HLUC 18 PI, SIENA
	<i>Kickxia commutata</i> (Bernh. ex Rchb.) Fritsch subsp. <i>commutata</i> 7 Herb. Gangale & Uzunov
E	<i>Linaria purpurea</i> (L.) Mill. 7 GE, Herb. Salerno, HLUC, PAD, PORUN-Herb. Stinca 8 PI <i>Note</i> - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).
	<i>Plantago coronopus</i> L. 8 Herb. Cancellieri, Herb. Majella, Herb. Tilia, HFLA
	<i>Plantago lanceolata</i> L. 1 PORUN-Herb. Stinca 4 PORUN-Herb. Stinca

8 Herb. Gangale & Uzunov, HFLA

15 HFLA

16 CLU, Herb. Gangale & Uzunov, PAD

Plantago serraria L.

2 Herb. Gangale & Uzunov

4 PORUN-Herb. Stinca

7 UTV

8 Herb. Gangale & Uzunov, HLUC, IS
UTV

Veronica agrestis L.

7 Herb. Cancellieri, IS

8 PI

Veronica anagallis-aquatica L. subsp. *anagallis-aquatica*

5 BAS PORUN-Herb. Stinca

7 PORUN-Herb. Stinca

Veronica arvensis L.

4 PORUN-Herb. Stinca

7 APP, CLU, Herb. Carli, Herb. Gangale & Uzunov, Herb. Majella, IS, UTV

8 UTV

Veronica beccabunga L. subsp. *beccabunga*

5 BAS PAD, SIENA

7 CLU, Herb. Gangale & Uzunov, Herb. Salerno, IS, PORUN-Herb. Stinca, UTV

8 HLUC

Veronica chamaedrys L. subsp. *chamaedrys*

7 HFLA, HLUC, PORUN-Herb. Stinca

12 APP, PI

13 APP, Herb. Gangale & Uzunov

	<i>Veronica hederifolia</i> L.
	1 PORUN-Herb. Stinca
	12 Herb. Salerno
	18 PORUN-Herb. Stinca
A INV (CAM) NEO	<i>Veronica persica</i> Poir. 7 PORUN-Herb. Stinca
	<i>Veronica polita</i> Fr.
	1 PORUN-Herb. Stinca
	7 CLU, Herb. Gangale & Uzunov, PORUN-Herb. Stinca, UTV
	<i>Veronica serpyllifolia</i> L.
	18 PORUN-Herb. Stinca

PLUMBAGINACEAE

E	<i>Armeria macropoda</i> Boiss.
	13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca Note - This taxon received the conservation status DD (data deficient) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

POACEAE

	<i>Achnatherum bromoides</i> (L.) P. Beauv. [≡ <i>Stipa bromoides</i> (L.) Dorfl.]
	5 BAS PAD
	5 CAM CLU
	18 HLUC, PORUN-Herb. Stinca, UTV
	<i>Aira caryophyllea</i> L.
	13 GE, Herb. Cancellieri, Herb. Majella, HLUC
	<i>Aira multiculmis</i> Dumort.
	[≡ <i>A. caryophyllea</i> L. subsp. <i>multiculmis</i> (Dumort.) Bonnier & Layens]
	7 PORUN-Herb. Stinca

Alopecurus myosuroides Huds. subsp. *myosuroides*

5 BAS Herb. Cancellieri, PORUN-Herb. Stinca

3 Herb. Cancellieri

Anisantha diandra (Roth) Tutin ex Tzvelev

[≡ *Bromus diandrus* Roth; = *B. gussonei* Parl.]

7 HLUC

Anisantha madritensis (L.) Nevski subsp. *madritensis*

[≡ *Bromus madritensis* L. subsp. *madritensis*]

1 Herb. Majella

7 BI, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

Anisantha sterilis (L.) Nevski

[≡ *Bromus sterilis* L.]

1 PI

5 BAS PAD

7 Herb. Majella

11 Herb. Tilia

Anisantha tectorum (L.) Nevski

[≡ *Bromus tectorum* L.]

1 PORUN-Herb. Stinca

Anthoxanthum odoratum L.

4 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

7 HLUC

10 HLUC

11 PORUN-Herb. Stinca

12 HLUC

13 Herb. Majella

Arrhenatherum elatius* (L.) P.Beauv. ex J.Presl & C.Presl subsp. *elatius

3 Herb. Salerno

4 Herb. Majella, PORUN-Herb. Stinca

7 Herb. Cancellieri, Herb. Salerno, HLUC

8 HFLA

10 Herb. Carli

11 HLUC

***Arundo plinii* Turra**

9 PORUN-Herb. Stinca

***Avena barbata* Pott ex Link**

1 Herb. Caruso, PORUN-Herb. Stinca, UTV

7 HLUC

A NAT (CAM)

ARC

***Avena sterilis* L. subsp. *ludoviciana* (Durieu) Gillet & Magne**

3 Herb. Salerno

***Brachypodium distachyon* (L.) P.Beauv.**

[≡ *Trachynia distachya* (L.) Link]

2 PORUN-Herb. Stinca

7 Herb. Cancellieri, Herb. Majella, HLUC, PAD

8 Herb. Majella, PORUN-Herb. Stinca

***Brachypodium retusum* (Pers.) P.Beauv.**

8 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

***Brachypodium rupestre* (Host) Roem. & Schult.**

8 HFLA

Brachypodium sylvaticum* (Huds.) P.Beauv. subsp. *sylvaticum

7 APP, HLUC

18 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

***Briza maxima* L.**

- 1** HLUC, SIENA
2 PORUN-Herb. Stinca
4 HLUC, PORUN-Herb. Stinca
7 HLUC, PORUN-Herb. Stinca, TO
10 HLUC
13 HLUC
18 HLUC

***Briza media* L.**

- 8** BI, CLU, Herb. Carli, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PORUN-Herb. Stinca, SIENA, UTV

Bromopsis erecta* (Huds.) Fourr. subsp. *erecta

[\equiv *Bromus erectus* Huds.]

- 7** APP, CLU, Herb. Gangale & Uzunov, Herb. Salerno, HFLA, PORUN-Herb. Stinca
8 HFLA, PORUN-Herb. Stinca
11 PORUN-Herb. Stinca
12 BI, Herb. Carli, PORUN-Herb. Stinca
13 HLUC
16 Herb. Gangale & Uzunov

***Bromopsis erecta* (Huds.) Fourr. subsp. *stenophylla* (Link) H.Scholz & Valdés**

- 13** Herb. Gangale & Uzunov, PORUN-Herb. Stinca

Bromopsis ramosa* (Huds.) Holub subsp. *ramosa

[\equiv *Bromus ramosus* Huds. subsp. *ramosus*]

- 18** CLU

Bromus commutatus* Schrad. subsp. *commutatus

- 11** Herb. Carli

Bromus hordeaceus* L. subsp. *hordeaceus

- 2** PORUN-Herb. Stinca

3 PAD, PORUN-Herb. Stinca

12 IS

+CAM**

+BAS**

***Bromus hordeaceus* L. subsp. *longipedicellatus* Spalton**

5 BAS PAD

10 Herb. Lattanzi

11 Herb. Tilia

Note - The Italian distribution of this taxon includes Lombardia and Sardegna (Bartolucci et al. 2018a). Therefore, our findings are the first in the peninsular Italy.

+CAM**

***Bromus hordeaceus* L. subsp. *molliformis* (J.Lloyd ex Billot) Maire & Weiller**

1 BI

11 BI

***Bromus hordeaceus* L. subsp. *thominei* (Hardouin) Braun-Blanq.**

7 Herb. Gangale & Uzunov

Note - *Bromus hordeaceus* complex is a critical group well known for its remarkable morphological variation that led to recognition for Italian flora five subspecies (Bartolucci et al. 2018a), four of which were observed in the study area. Further investigations aimed to clarify the taxonomic value of these subspecies are probably needs.

***Bromus intermedius* Guss.**

7 HLUC

8 HLUC

Catapodium rigidum* (L.) C.E.Hubb. subsp. *rigidum

1 APP, BI, Herb. Gangale & Uzunov, PORUN-Herb. Stinca, SIENA

7 Herb. Gangale & Uzunov, Herb. Majella, HFLA, HLUC, PORUN-Herb. Stinca

***Cynosurus cristatus* L.**

7 Herb. Cancellieri, HLUC

8 Herb. Salerno, PAD

11 BI, Herb. Carli, HLUC

***Cynosurus echinatus* L.**

1 BI, Herb. Majella, PORUN-Herb. Stinca, SIENA

4 APP, Herb. Majella, HLUC

7 Herb. Cancellieri, HLUC

8 IS

10 HLUC

11 HLUC

13 Herb. Majella, HLUC

18 Herb. Cancellieri, PORUN-Herb. Stinca

Dactylis glomerata* L. subsp. *glomerata

2 PORUN-Herb. Stinca

7 Herb. Gangale & Uzunov

18 BI, Herb. Cancellieri

***Dactylis glomerata* L. subsp. *hispanica* (Roth) Nyman**

1 Herb. Majella

2 PORUN-Herb. Stinca

3 Herb. Salerno, PORUN-Herb. Stinca

5 BAS UTV

7 HLUC, PORUN-Herb. Stinca

8 HLUC, IS, PORUN-Herb. Stinca

Note - Dactylis glomerata complex is a critical group well known for its remarkable morphological variation that led to recognition for Italian flora six subspecies (Bartolucci et al. 2018a), two of which were observed in the study area. Further investigations aimed to clarify the taxonomic value of these subspecies are probably needs. The specimens collected in site Nr. 11 (PORUN-Herb. Stinca) shows intermediate characters between the subsp. *glomerata* and subsp. *hispanica*.

***Dasypyrum villosum* (L.) P.Candargy**

1 Herb. Caruso, Herb. Salerno, HLUC, PORUN-Herb. Stinca

3 BI

7 HLUC

8 HLUC

E

***Drymochloa drymeja* (Mert. & W.D.J.Koch) Holub subsp. *exaltata* (C.Presl)
Foggi & Signorini**
[≡ *Festuca drymeja* Mert. & W.D.J.Koch subsp. *exaltata* (C.Presl) Asch. & Graebn]
12 APP, HLUC, UTV
13 APP, HFLA
18 CLU, Herb. Cancellieri, HLUC
Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

+CAM*

***Echinaria capitata* (L.) Desf.**

8 CLU, Herb. Cancellieri, Herb. Majella, Herb. Salerno, Herb. Tilia, HLUC, PORUN-Herb. Stinca, SIENA, UTV

***Elymus caninus* (L.) L.**

[≡ *Agropyron caninum* (L.) P.Beauv.]
18 CLU

Elymus repens* (L.) Gould subsp. *repens

[≡ *Agropyron repens* (L.) P.Beauv.]
1 UTV
2 Herb. Caruso
3 APP
8 Herb. Majella, PORUN-Herb. Stinca
18 BI, Herb. Carli, Herb. Gangale & Uzunov, Herb. Tilia

***Festuca circummediterranea* Patzke**

8 Herb. Salerno, HFLA, HLUC
12 Herb. Cancellieri, PAD, PORUN-Herb. Stinca
13 GE, Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA
16 BI, Herb. Cancellieri, PAD, PI

***Festuca cyrnea* (Litard. & St.-Yves) Signorini, Foggi & Nardi**
15 HFLA

Festuca danthonii* Asch. & Graebn. subsp. *danthonii

[= *Vulpia ciliata* Dumort.]

1 Herb. Majella

3 PAD

7 Herb. Cancellieri, Herb. Majella, HLUC, PORUN-Herb. Stinca

***Festuca incurva* (Gouan) Gutermann**

[≡ *Psilurus incurvus* (Gouan) Schinz & Thell.]

7 Herb. Tilia

***Festuca laevigata* Gaudin**

13 Herb. Cancellieri

Festuca myuros* L. subsp. *myuros

[≡ *Vulpia myuros* (L.) C.C.Gmel. subsp. *myuros*]

7 Herb. Tilia, HLUC

10 Herb. Salerno, PORUN-Herb. Stinca

+CAM**

***Festuca stricta* Host subsp. *trachyphylla* (Hack.) Patzke ex Pils**

8 Herb. Cancellieri

***Gaudinia fragilis* (L.) P.Beauv.**

2 Herb. Majella, PORUN-Herb. Stinca

3 PAD

5 BAS Herb. Salerno

7 APP, GE, Herb. Majella, HFLA, PAD

8 GE, Herb. Cancellieri, Herb. Carli, Herb. Salerno, HLUC, IS

***Glyceria notata* Chevall.**

5 BAS SIENA

7 Herb. Carli, Herb. Salerno, PORUN-Herb. Stinca

8 Herb. Cancellieri

***Hainardia cylindrica* (Willd.) Greuter**

4 PORUN-Herb. Stinca

5 BAS Herb. Cancellieri

8 HLUC, UTV

18 CLU, Herb. Lattanzi

Holcus lanatus* L. subsp. *lanatus

1 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

2 Herb. Majella

4 PORUN-Herb. Stinca

5 BAS PORUN-Herb. Stinca, SIENA

7 APP

8 Herb. Gangale & Uzunov, HLUC, IS

Holcus mollis* L. subsp. *mollis

5 BAS PI

***Hordeum bulbosum* L.**

1 PAD, UTV

8 HLUC

11 BI, Herb. Salerno, HLUC, PORUN-Herb. Stinca

15 HFLA

18 CLU

***Hordeum geniculatum* All.**

[= *H. gussoneanum* Parl.]

3 APP, GE, Herb. Cancellieri, Herb. Salerno, PAD

8 APP, Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Majella, Herb. Salerno, Herb. Tilia, HFLA, HLUC, PI
PORUN-Herb. Stinca

10 Herb. Carli

Note - This taxon was recently discovered in Campania at Padula (Rosati et al. 2017).

***Hordeum murinum* L. subsp. *leporinum* (Link) Arcang.**

1 BI

E

***Koeleria lucana* Brullo, Giusso & Miniss.**

12 BI, Herb. Lattanzi, Herb. Tilia, PORUN-Herb. Stinca

13 APP, Herb. Gangale & Uzunov, Herb. Majella, HFLA

Note - This taxon received the conservation status DD (data deficient) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

+BAS**

***Koeleria pyramidata* (Lam.) P.Beauv.**

12 HLUC

Lagurus ovatus* L. subsp. *ovatus

1 PORUN-Herb. Stinca, UTV

***Lolium multiflorum* Lam.**

[= *L. gaudinii* Parl.]

3 APP, PI, PORUN-Herb. Stinca

7 HLUC

***Lolium perenne* L.**

2 PORUN-Herb. Stinca

Lolium rigidum* Gaudin subsp. *rigidum

5 BAS APP

5 CAM HFLA

7 HLUC

11 BI, Herb. Tilia

+IT

+CAM**

***Lolium ×boucheanum* Kunth**

[*L. perenne* L. × *L. multiflorum* Lam.]

3 PI

Note - A small population of this taxon was found in Monteverde (Avellino province) in a marginal areas.

***Melica transsilvanica* Schur subsp. *klokovii* Tzvelev**

1 PI

2 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

16 Herb. Carli, Herb. Salerno

***Melica uniflora* Retz.**

12 HLUC

13 PORUN-Herb. Stinca

18 PORUN-Herb. Stinca

Parapholis incurva* (L.) C.E.Hubb. subsp. *incurva

5 BAS Herb. Salerno

***Parapholis pycnantha* (Hack.) C.E.Hubb.**

8 Herb. Cancellieri, Herb. Carli, Herb. Majella, Herb. Salerno, Herb. Tilia, HFLA, PORUN-Herb. Stinca

Note - This taxon was recently confirmed for Campania just outside our study area by Del Guacchio (2007): "Calitri (Avellino), ampio sbancamento accanto ai tornanti che salgono verso il paese".

A INV (BAS)

NEO

***Paspalum distichum* L.**

5 BAS Herb. Salerno, PORUN-Herb. Stinca, TO

9 PORUN-Herb. Stinca

+CAM*

***Phalaris aquatica* L.**

8 Herb. Salerno

***Phalaris coerulescens* Desf.**

2 APP, Herb. Gangale & Uzunov, Herb. Majella

3 CLU, PI, PORUN-Herb. Stinca

8 Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Salerno, HFLA, HLUC, PORUN-Herb. Stinca

+CAM*

***Phalaris truncata* Guss. ex Bertol.**

3 APP, Herb. Salerno, PAD, PORUN-Herb. Stinca, SIENA

8 CLU, Herb. Carli, Herb. Salerno, HLUC

***Phleum hirsutum* Honck. subsp. *ambiguum* (Ten.) Cif. & Giacom.**

- 1** APP, Herb. Majella, Herb. Salerno
2 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca
4 HLUC
7 HFLA, HLUC, PORUN-Herb. Stinca, UTV
8 HLUC, PAD
10 HLUC
16 Herb. Gangale & Uzunov
18 Herb. Carli, Herb. Gangale & Uzunov, PORUN-Herb. Stinca

***Phleum nodosum* L.**

- [= *P. bertolonii* DC.]
2 PAD
4 Herb. Gangale & Uzunov, Herb. Majella, PAD
7 Herb. Majella
10 Herb. Tilia
14 PORUN-Herb. Stinca

Phleum pratense* L. subsp. *pratense

- 1** PAD
7 Herb. Cancellieri
8 Herb. Salerno

Phleum subulatum* (Savi) Asch. & Graebn. subsp. *subulatum

- 5** BAS Herb. Cancellieri
5 CAM HFLA

Poa alpina* L. subsp. *alpina

- 13** Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca

Poa bulbosa* L. subsp. *bulbosa

- 8** Herb. Majella
12 Herb. Tilia

Poa infirma Kunth

7 Herb. Majella

Poa molinerii Balb.

7 CLU

Poa nemoralis L. subsp. *nemoralis*

7 PORUN-Herb. Stinca

11 PORUN-Herb. Stinca

Poa pratensis L. subsp. *pratensis*

7 Herb. Cancellieri

11 HLUC

Poa sylvicola Guss.

7 Herb. Cancellieri, Herb. Majella, HLUC, PORUN-Herb. Stinca

18 Herb. Salerno

Poa trivialis L.

7 CLU, Herb. Gangale & Uzunov, Herb. Salerno

Polypogon viridis (Gouan) Breistr. subsp. *viridis*

5 BAS APP, PORUN-Herb. Stinca

Rostraria cristata (L.) Tzvelev

1 HLUC, PI, SIENA

5 BAS Herb. Cancellieri

5 CAM HFLA

8 Herb. Cancellieri

+CAM*

Sclerochloa dura (L.) P.Beauv.

10 PORUN-Herb. Stinca

Sesleria juncifolia Suffren subsp. *juncifolia*

12 CLU, Herb. Cancellieri, Herb. Carli, Herb. Caruso, PAD, PORUN-Herb. Stinca, UTV

13 HFLA

E

Stipa austroitalica Martinovský subsp. *austroitalica*

2 Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca

7 Herb. Cancellieri, HFLA, HLUC

Note - This taxon received the conservation status DD (data deficient) in the IUCN Red List of the Italian Flora (Rossi et al. 2013, Orsenigo et al. 2018).

Triticum vagans (Jord. & Fourr.) Greuter

[= *Aegilops geniculata* Roth]

1 Herb. Caruso

2 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

3 PORUN-Herb. Stinca, SIENA

4 HLUC, PORUN-Herb. Stinca

5 BAS BI, SIENA

7 BI, Herb. Cancellieri, HLUC, PAD

8 Herb. Gangale & Uzunov, HLUC, PI, PORUN-Herb. Stinca

10 HLUC

11 HLUC

POLYGALACEAE

Polygala monspeliaca L.

3 APP, Herb. Salerno

5 BAS APP

7 Herb. Cancellieri, Herb. Tilia, UTV

8 CLU, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PI, PORUN-Herb. Stinca

E

Polygala nicaeensis Risso ex W.D.J.Koch subsp. *peninsularis* Arrigoni

11 APP

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Fallopia convolvulus (L.) Å.Löve

3 BI

5 BAS PORUN-Herb. Stinca

5 CAM HFLA

18 BI

Rumex acetosa L. subsp. *acetosa*

4 APP

7 PI

11 HLUC

12 SIENA

Rumex acetosella L. subsp. *multifidus* (L.) Schübl. & G.Martens

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC

16 APP, Herb. Salerno, HLUC

Rumex crispus L.

1 Herb. Gangale & Uzunov, PI

8 HLUC

Rumex pulcher L. subsp. *pulcher*

2 PORUN-Herb. Stinca

Rumex sanguineus L.

18 CLU, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca, UTV

+CAM*

Rumex thrysoides Desf.

4 PORUN-Herb. Stinca

13 Herb. Majella

Note - The Italian distribution of this taxon includes Puglia, Basilicata, Calabria, Sicilia, Sardegna and it is no longer recorded in Lazio, while it is doubtful in Molise and Campania (Bartolucci et al. 2018a). Therefore, our findings confirm its presence in Campania.

POLYPODIACEAE

Polypodium cambricum L.

18 Herb. Gangale & Uzunov, HLUC, PI

POTAMOGETONACEAE

Potamogeton berchtoldii Fieber

2 APP, Herb. Majella, PI, PORUN-Herb. Stinca

PRIMULACEAE

Lysimachia arvensis (L.) U.Manns & Anderb. subsp. *arvensis*

[≡ *Anagallis arvensis* L. subsp. *arvensis*]

3 Herb. Cancellieri

7 APP, PI, PORUN-Herb. Stinca, TO

Primula vulgaris Huds. subsp. *vulgaris*

7 HLUC, PORUN-Herb. Stinca

RANUNCULACEAE

Anemone apennina L.

10 HFLA

12 TO

13 Herb. Gangale & Uzunov, Herb. Majella

18 PORUN-Herb. Stinca

Anemone hortensis L. subsp. *hortensis*

1 HLUC, PORUN-Herb. Stinca

13 HLUC

16 HLUC

18 PORUN-Herb. Stinca

+EU

A CAS (IT,

+IT

CAM)

+CAM**

NEO

Aquilegia coerulea E.James

20 PORUN-Herb. Stinca, SIENA

Note - Taxon identification and nomenclature follow Whittemore (1997). A small population of this species was found in Aquilonia (Avellino province) in anthropogenic environments.

Aquilegia dumeticola Jord.

12 APP, BI, PI, PORUN-Herb. Stinca

13 APP, HLUC, PORUN-Herb. Stinca

Clematis flammula L.

5 CAM HLUC

16 Herb. Lattanzi

18 Herb. Lattanzi, Herb. Salerno, HLUC, PORUN-Herb. Stinca

Clematis vitalba L.

5 BAS PORUN-Herb. Stinca

1 SIENA

16 HLUC

Delphinium ajacis L.

5 BAS APP

+CAM**

Ficaria verna Huds. subsp. *verna*

18 PORUN-Herb. Stinca

Helleborus foetidus L. subsp. *foetidus*

5 BAS BI

7 Herb. Caruso, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

18 HLUC

Helleborus viridis L. subsp. *abruzzicus* (M.Thomsen, McLewin & B.Mathew)
Bartolucci, F.Conti & Peruzzi

11 APP

Hepatica nobilis Mill.

12 HLUC

***Nigella damascena* L.**

2 Herb. Gangale & Uzunov

3 PORUN-Herb. Stinca, TO, UTV

4 PORUN-Herb. Stinca

7 PI

8 IS

***Ranunculus bulbosus* L.**

[= *R. bulbosus* L. subsp. *aleae* (Willk.) Rouy & Foucaud]

3 CLU

***Ranunculus lanuginosus* L.**

12 TO

13 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

18 TO

***Ranunculus millefoliatus* Vahl**

8 Herb. Gangale & Uzunov

12 TO

18 PORUN-Herb. Stinca

Ranunculus monspeliacus* L. subsp. *monspeliacus

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov

***Ranunculus neapolitanus* Ten.**

3 TO

7 Herb. Gangale & Uzunov, TO

8 PI

11 TO

***Ranunculus repens* L.**

7 PORUN-Herb. Stinca

13 PORUN-Herb. Stinca

Thalictrum aquilegiifolium L. subsp. *aquilegiifolium*

13 PORUN-Herb. Stinca

RESEDAEAE

Reseda alba L. subsp. *alba*

1 HLUC, PORUN-Herb. Stinca

Reseda lutea L. subsp. *lutea*

1 Herb. Caruso, Herb. Gangale & Uzunov, PI, PORUN-Herb. Stinca, SIENA

3 APP, CLU

7 BI, Herb. Tilia, HLUC

8 PI

Reseda luteola L.

7 PORUN-Herb. Stinca

ROSACEAE

Agrimonia eupatoria L. subsp. *eupatoria*

2 Herb. Gangale & Uzunov, PORUN-Herb. Stinca

10 HLUC

Aphanes arvensis L.

7 CLU, Herb. Salerno, Herb. Tilia, PORUN-Herb. Stinca, UTV

Aremonia agrimonoides (L.) DC. subsp. *agrimonoides*

12 PORUN-Herb. Stinca

Crataegus laevigata (Poir.) DC.

2 APP

12 Herb. Salerno, PAD, UTV

18 Herb. Salerno

Crataegus monogyna Jacq.

1 Herb. Caruso, PORUN-Herb. Stinca

2 Herb. Gangale & Uzunov, HLUC

5 BAS BI

7 HLUC, PORUN-Herb. Stinca

10 UTV

***Crataegus ×media* Bech.**

[*C. laevigata* (Poir.) DC. × *C. monogyna* Jacq.]

12 UTV

18 UTV

Note - Taxon identification and nomenclature follow Christensen (1992).

***Filipendula vulgaris* Moench**

3 Herb. Cancellieri, PI, PORUN-Herb. Stinca, SIENA, UTV

4 Herb. Gangale & Uzunov, HLUC

10 HLUC

Fragaria vesca* L. subsp. *vesca

4 PORUN-Herb. Stinca

7 SIENA

12 Herb. Caruso, HLUC, PORUN-Herb. Stinca

***Geum urbanum* L.**

4 PORUN-Herb. Stinca

7 Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC

8 PI

13 HLUC

18 Herb. Cancellieri, HLUC, PORUN-Herb. Stinca

***Malus sylvestris* (L.) Mill.**

7 PORUN-Herb. Stinca

12 Herb. Salerno

18 Herb. Salerno

A NAT (CAM)

A NAT (BAS)

ARC

***Mespilus germanica* L.**

7 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, HFLA, HLUC, IS, PORUN-Herb.

Stinca

10 CLU

11 CLU

E

***Potentilla calabria* Ten.**

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb.

Stinca

Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Potentilla micrantha* Ramond ex DC.**

12 HLUC

18 Herb. Salerno

***Potentilla pedata* Willd. ex Hornem.**

[– *P. hirta* auct. Fl. Ital.]

2 Herb. Majella

3 APP, Herb. Cancellieri, PI

4 APP, PORUN-Herb. Stinca

5 BAS UTV

7 Herb. Cancellieri, Herb. Tilia, HFLA

16 UTV

18 Herb. Cancellieri

Potentilla recta* L. subsp. *recta

4 Herb. Gangale & Uzunov, Herb. Majella, PI, PORUN-Herb. Stinca

7 HFLA

11 BI, CLU, Herb. Tilia, PORUN-Herb. Stinca

16 CLU

Note - Some specimens collected in sites Nr. 3 (HLUC, UTV) and Nr. 16 (APP) shows intermediate characters between *Potentilla pedata* Willd. ex Hornem. and *Potentilla recta* L. subsp. *recta*.

***Poterium sanguisorba* L. subsp. *baleanicum* (Bourg. ex Nyman) Stace**

[≡ *Sanguisorba minor* Scop. subsp. *balearica* (Bourg. ex Nyman) Muñoz Garm. & C.Navarro]

1 BI, Herb. Gangale & Uzunov, Herb. Majella

3 Herb. Salerno, SIENA

4 PORUN-Herb. Stinca

10 HLUC

12 PORUN-Herb. Stinca

A NAT (CAM)

ARC

***Prunus domestica* L.**

1 PORUN-Herb. Stinca

Prunus spinosa* L. subsp. *spinosa

1 Herb. Caruso

2 PORUN-Herb. Stinca

7 Herb. Salerno

10 Herb. Gangale & Uzunov

***Pyrus communis* L. subsp. *pyraster* (L.) Ehrh.**

4 PORUN-Herb. Stinca

12 Herb. Salerno

13 HLUC

18 PORUN-Herb. Stinca

***Pyrus spinosa* Forssk.**

[= *P. amygdaliformis* Vill.]

2 Herb. Majella, PORUN-Herb. Stinca

16 CLU, PORUN-Herb. Stinca

***Rosa agrestis* Savi**

1 Herb. Lattanzi

4 HLUC

7 Herb. Lattanzi, HLUC, UTV

8 Herb. Lattanzi

***Rosa andegavensis* Bastard**

2 HLUC

7 Herb. Lattanzi

8 HLUC

***Rosa arvensis* Huds.**

18 Herb. Caruso, Herb. Salerno

***Rosa balsamica* Besser**

7 Herb. Lattanzi

12 Herb. Lattanzi

***Rosa canina* L.**

1 Herb. Lattanzi, HLUC

2 PORUN-Herb. Stinca

5 CAM Herb. Lattanzi

7 Herb. Lattanzi, HLUC

8 HLUC, PI

16 Herb. Lattanzi

18 Herb. Lattanzi

***Rosa corymbifera* Borkh.**

2 HLUC

5 CAM Herb. Lattanzi

7 Herb. Gangale & Uzunov, Herb. Lattanzi, HLUC

16 Herb. Lattanzi

18 Herb. Lattanzi

+CAM**

+BAS**

***Rosa deseglisei* Boreau**

3 Herb. Lattanzi

7 Herb. Lattanzi, UTV

18 Herb. Lattanzi

Rosa micrantha Borrer ex Sm.

7 HFLA

8 Herb. Lattanzi, HFLA

Rosa nitidula Besser

1 Herb. Lattanzi

4 HLUC

7 HLUC

8 Herb. Lattanzi

15 HFLA

Rosa sempervirens L.

5 BAS PI

5 CAM Herb. Lattanzi

18 Herb. Lattanzi

Rosa spinosissima L.

13 APP, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Lattanzi, HLUC, PORUN-Herb. Stinca

Rosa squarrosa (A.Rau) Boreau

1 Herb. Lattanzi, HLUC

4 HLUC

7 Herb. Gangale & Uzunov, Herb. Lattanzi, HLUC

16 HLUC

Rosa subcanina (Christ) Vuk.

7 HLUC

11 HLUC

16 HLUC

Rosa subcollina (Christ) Vuk.

2 HLUC

Rubus canescens DC.

- 5** BAS PI, PORUN-Herb. Stinca
6 PORUN-Herb. Stinca
7 BI, GE, IS, UTV

Rubus ulmifolius Schott

- 2** HLUC
4 HLUC

Sorbus domestica L.

- 7** Herb. Salerno, IS, PORUN-Herb. Stinca
18 HLUC

Sorbus torminalis (L.) Crantz

- 7** CLU, HFLA, HLUC, IS
18 GE, Herb. Cancellieri, Herb. Salerno, HLUC, PORUN-Herb. Stinca

RUBIACEAE

Asperula taurina L. subsp. *taurina*

- 10** HLUC
12 HLUC
13 Herb. Gangale & Uzunov, HLUC

Crucianella angustifolia L.

- 7** APP, CLU
8 CLU
16 BI, Herb. Cancellieri, Herb. Carli, Herb. Gangale & Uzunov, Herb. Majella, Herb. Salerno, Herb. Tilia, HLUC, PORUN-Herb. Stinca, TO

Cruciata laevipes Opiz

- 3** Herb. Salerno
7 BI, Herb. Caruso, Herb. Gangale & Uzunov, PI, PORUN-Herb. Stinca
8 HLUC
13 HLUC

Cruciata pedemontana (Bellardi) Ehrend.

11 UTV

Galium album Mill. subsp. *album*

[= *G. mollugo* L. subsp. *erectum* Syme]

1 BI

5 BAS PI

7 HLUC, IS

8 HLUC

11 CLU

Galium corrudifolium Vill.

1 Herb. Gangale & Uzunov

3 APP, CLU

4 APP

12 APP, CLU, Herb. Tilia

13 APP, Herb. Gangale & Uzunov

16 Herb. Gangale & Uzunov

Galium glaucum L.

3 APP, BI, CLU

8 PI

Note - This taxon was recently confirmed for Campania just outside our study area by Del Guacchio (2007): “Bisaccia (Avellino), strada per Lacedonia”.

Galium lucidum All. subsp. *lucidum*

3 Herb. Salerno, PORUN-Herb. Stinca

Galium mollugo L. group

1 PORUN-Herb. Stinca

2 PORUN-Herb. Stinca

16 APP

Note - The specimens collected in the investigated area are probably attributable to a new taxon under study.

Galium odoratum (L.) Scop.

12 HLUC, IS

15PORUN-Herb. Stinca

Galium parisiense L.

7 Herb. Gangale & Uzunov, Herb. Tilia

8 PORUN-Herb. Stinca

Galium spurium L.

3 TO

10 Herb. Gangale & Uzunov

Galium tricornutum Dandy

3 BI, Herb. Cancellieri, Herb. Salerno

Galium verum L. subsp. *verum*

5 BAS PORUN-Herb. Stinca

Rubia peregrina L.

18 CLU, Herb. Cancellieri, Herb. Caruso, HLUC, PORUN-Herb. Stinca

+CAM*

A CAS (CAM)

ARC

Rubia tinctorum L.

1 HLUC, UTV

Sherardia arvensis L.

1 SIENA

7 PAD, PORUN-Herb. Stinca

SALICACEAE

Populus alba L.

5 BAS PI

Populus nigra L. subsp. *nigra*

2 Herb. Caruso

5 BAS Herb. Salerno, PI, PORUN-Herb. Stinca

Populus tremula L.

7 PORUN-Herb. Stinca

Salix alba L.

2 PORUN-Herb. Stinca

5 BAS Herb. Salerno, PI

8 HLUC

Salix apennina A.K.Skvortsov

8 PI

Salix purpurea L. subsp. *purpurea*

[= *S. lambertiana* Sm.]

5 BAS Herb. Salerno, PI, PORUN-Herb. Stinca

SANTALACEAE

Osyris alba L.

4 PORUN-Herb. Stinca

18 HLUC

Thesium linophyllum L.

13 Herb. Cancellieri, Herb. Gangale & Uzunov

SAPINDACEAE

Acer campestre L.

7 Herb. Salerno

12 Herb. Salerno, BI, CLU, PORUN-Herb. Stinca

E

Acer cappadocicum Gled. subsp. *lobelii* (Ten.) A.E.Murray

12 BI, Herb. Salerno, HLUC, IS, PAD, PI, SIENA, TO

13 GE, Herb. Cancellieri, Herb. Gangale & Uzunov, HFLA, HLUC, PORUN-Herb. Stinca
Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

Acer monspessulanum L. subsp. monspessulanum

18 BI, CLU, Herb. Gangale & Uzunov, Herb. Salerno, HLUC, PI, PORUN-Herb. Stinca, UTV

A NAT (CAM)
NEO

Acer negundo L.

2 Herb. Gangale & Uzunov
20 PORUN-Herb. Stinca

Acer opalus Mill. subsp. obtusatum (Waldst. & Kit. ex Willd.) Gams

12 HLUC, PAD
15 IS

SAXIFRAGACEAE

Chrysosplenium dubium J.Gay ex Ser.

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

Saxifraga exarata Vill. group

13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, PORUN-Herb. Stinca
Note - The specimens collected in the investigated area are probably attributable to a new taxon under study.

+BAS**

A CAS (BAS)
NEO

Saxifraga stolonifera Curtis

16 PI

Note - The Italian distribution of this taxon includes Lombardia and Veneto and no longer recorded in Liguria (Galasso et al. 2018a). Therefore, our finding is the first in the peninsular Italy.

SCROPHULARIACEAE

Scrophularia auriculata L. subsp. auriculata

5 BAS PAD

Scrophularia canina L.

[= *S. bicolor* Sm.]

2 PORUN-Herb. Stinca

7 Herb. Gangale & Uzunov, Herb. Tilia, PAD

8 HLUC, PI

11 PORUN-Herb. Stinca

Scrophularia scopolii Hoppe ex Pers.

7 Herb. Gangale & Uzunov, Herb. Tilia, HLUC, PORUN-Herb. Stinca

8 PI

13 HLUC

SIMAROUBACEAE

A INV (CAM)	<i>Ailanthus altissima</i> (Mill.) Swingle
A INV (BAS)	1 SIENA, TO
NEO	16 PORUN-Herb. Stinca

SOLANACEAE

A NAT (BAS)	<i>Datura stramonium</i> L.
NEO	5 BAS TO

Hyoscyamus albus L.

1 Herb. Salerno

Hyoscyamus niger L.

7 HLUC, IS, PORUN-Herb. Stinca

8 PAD

Solanum dulcamara L.

5 BAS SIENA

8 APP, Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

A CAS (BAS)	<i>Solanum lycopersicum</i> L.
NEO	5 BAS PORUN-Herb. Stinca, TO

THYMELAEACEAE

Daphne laureola L.

7 Herb. Caruso, HFLA, HLUC

TYPHACEAE

Typha latifolia L.

8 PI, PORUN-Herb. Stinca

ULMACEAE

Ulmus glabra Huds.

12 Herb. Salerno, HLUC

Ulmus minor Mill. subsp. *minor*

2 Herb. Caruso

7 Herb. Salerno

8 HLUC

URTICACEAE

Parietaria judaica L.

1 Herb. Gangale & Uzunov, HLUC, PORUN-Herb. Stinca

16 HLUC

18 Herb. Gangale & Uzunov

URTICACEAE

Urtica dioica L. subsp. *dioica*

1 HLUC

5 BAS PORUN-Herb. Stinca

VALERIANACEAE

Centranthus ruber (L.) DC. subsp. *ruber*

11 SIENA

16 HLUC, PORUN-Herb. Stinca

Valeriana stolonifera Czern. subsp. *angustifolia* Soó
[– *V. collina* auct.]
7 PORUN-Herb. Stinca

Valerianella carinata Loisel.
4 Herb. Gangale & Uzunov, PORUN-Herb. Stinca
7 CLU, GE, Herb. Salerno, UTV
18 PORUN-Herb. Stinca

Valerianella dentata (L.) Pollich
7 Herb. Tilia
11 CLU, Herb. Tilia
13 Herb. Cancellieri

Valerianella eriocarpa Desv.
3 APP
7 BI, CLU, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Salerno, Herb. Tilia, IS, PAD, PI, PORUN-Herb. Stinca, SIENA, UTV

Valerianella muricata (Steven ex M.Bieb.) W.H.Baxter & Wooster
7 GE

VIOLACEAE

E *Viola aethnensis* (Ging. & DC.) Strobl subsp. *splendida* (W.Becker) Merxm. & Lippert
10 HLUC
11 HLUC
12 APP, CLU, IS, PAD, UTV
13 APP, GE, Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Majella, HLUC, PORUN-Herb. Stinca
15 HFLA
16 PI
Note - This taxon received the conservation status LC (least concern) in the IUCN Red List of the Italian Flora (Orsenigo et al. 2018).

***Viola alba* Besser subsp. *dehnhardtii* (Ten.) W.Becker**

2 PORUN-Herb. Stinca

5 CAM HLUC

10 HFLA

18 HLUC

Viola arvensis* Murray subsp. *arvensis

7 Herb. Cancellieri, Herb. Gangale & Uzunov, Herb. Tilia, PORUN-Herb. Stinca, UTV

10 UTV

***Viola reichenbachiana* Jord. ex Boreau**

12 APP, CLU, HLUC

+CAM**

A CAS (CAM)

NEO

***Viola tricolor* L. subsp. *tricolor* cv.**

20 PORUN-Herb. Stinca

Note - The specimens collected in the investigated area are attributable to a cultivar of *V. tricolor* subsp. *tricolor*, probably obtained from the crossing with related species. A small population of this taxon was found in Aquilonia (Avellino province) in anthropogenic environments.

VITACEAE

A NAT (CAM)

NEO

***Vitis ×koberi* Ardenghi, Galasso, Banfi & Lastrucci**

[*V. berlandieri* Planch. × *V. riparia* Michx.]

1 APP

Note - This taxon was recently reported by Stinca (2019) in Campania in the provinces of Caserta (Caserta, Capua, Castel Volturno) and Naples (Castellammare di Stabia, Vico Equense).

S8. Orchids recorded in the eastern Irpinia and Vulture-Melfese area only by digital photographs. From upper left to lower right: *Anacamptis pyramidalis* (L.) Rich. var. *nivea* P.Delforge (site Nr. 2); *Anacamptis pyramidalis* (L.) Rich. (site Nr.18); *Ophrys apifera* Huds. (site Nr. 7); *Neottia nidus-avis* (L.) Rich. (site Nr. 12); *Cephalanthera damasonium* (Mill.) Druce (site Nr. 12); *Ophrys tenthredinifera* Willd. subsp. *neglecta* (Parl.) E.G.Camus (site Nr. 12); *Ophrys apifera* Huds. var. *fulvofusca* M.P.Grasso & Scrugli (site Nr. 7); *Himantoglossum hircinum* (L.) Spreng. (site Nr. 1). Photos by V.A. Romano.

