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New distributional records of native and non-native vascular plants in Italy

Abstract

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New or revised plant records of 42 taxa (species and subspecies) are reported for Italy, of which 25 are natives and 17 aliens. *Hypericum richerii* subsp. *grisebachii* is new for Italy, *Dianthus carthusianorum* subsp. *atrorubens* is new for central Italy, and another 12 natives and aliens are new or confirmed for Umbria, nine for Abruzzo, 11 for Molise, four for Lazio and one for Marche, Basilicata, Campania and Calabria. Eight taxa are to be excluded from the flora of Abruzzo, and one from Umbria, Marche, Lazio, Molise, Campania and Basilicata.

Key words: Native taxa, alien taxa, biodiversity, floristics.

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Introduction

The present study contributes to the floristic knowledge of Italy, and in particular to the Apennine Peninsula, with unpublished findings including different discoveries of phyto-geographic interest. This paper follows many others, published in recent years, highlighting our continuous and uninterrupted interest in the flora of the Apennines (e.g. Conti & al. 2025; Domina & al. 2025 and references therein).

Material and Methods

The investigated area is located mainly in central Italy and includes two taxa for the northern and southern Apennines and comprises the territories of Umbria, Marche, Lazio, Abruzzo, Molise, Campania, and Basilicata administrative regions. Floristic data were collected during field work carried out in 2022–2026, while some specimens collected in the past have been revised. Herbarium specimens collected are deposited in APP while the

herbaria CAME and FI were also consulted (herbarium acronyms follow Thiers 2026).

Nomenclature follows the checklists of the Italian native (Bartolucci & al. 2024) and alien (Galasso & al. 2024) vascular flora and subsequent updates summarised in the Portal to the Flora of Italy (2026). Taxa are categorised as native and alien and alphabetically listed. For each taxon, the following information is provided: currently accepted name; family; reason(s) for its inclusion on the list; currently invasive status (for aliens only); herbarium material revised with details about the collection locality (in Italian, according to the information reported on the herbarium label), UTM coordinates (datum WGS84) when available, altitude, habitat, collection date, collector(s), herbarium acronym, additional notes.

Results

Native taxa

Anagyris foetida L. (Fabaceae)

Species new for the flora of Molise.

San Giuliano di Puglia (Campobasso) (UTM WSG84: 33T 507596 E, 4614744 N), margine di strada sterrata, 100 m, 6.3.2023, *D.C. Palermo* (APP).

The species grows on clayey soil on the steep banks of a dirt road that leads slightly further downstream to the left bank of the River Fortore. The hedge is formed by *Pistacia lentiscus* L., *Atriplex halimus* L., and *Asparagus acutifolius* L.

Andryala integrifolia L. (Asteraceae)

Species new for the flora of Molise.

Campomarino Lido (Campobasso), lungo la ferrovia (UTM WSG84: 33T 508017 E, 4642518 N), incolti aridi, 4 m, 28.5.2024, *D.C. Palermo* (APP No. 74169).

Species present with many specimens growing on railway embankment and on sterile uncultivated land with a substrate of sand and compacted gravel. It shares the environment with several other herbaceous plants including *Lagurus ovatus* L., *Anacyclus clavatus* (Desf.) Pers., *Asphodelus fistulosus* L.

Antirrhinum siculum Mill. (Plantaginaceae)

Species new for the flora of Molise.

Termoli (Campobasso), area portuale (UTM WSG84: 33T 500148 E, 4650109 N), scogliera artificiale, 1 m, 20.4.2024, *D.C. Palermo* (APP No. 74165); Monteroduni (Isernia), margini di una strada asfaltata e anche sul marciapiede (UTM WGS84: 33T 427837 E, 4596677 N), 220 m, 5.2026, *D.C. Palermo* (observed but not collected).

It grows in small numbers in urban environments, on harbour quays. This species is probably native, in any case, it is not present in the area as an ornamental species.

Aquilegia atrata W.D.J.Koch (Ranunculaceae)

Species to be excluded from the flora of Abruzzo.

Recorded for Mt. Sirente (Groves 1880) and doubtfully reported by Guarrera & Tammaro (1996, based on E. Nardi's comments). Currently it is doubtful for Abruzzo

(Bartolucci & al. 2024). Based on field and herbarium observations it should be excluded from the flora of the region.

***Biscutella didyma* L. (Brassicaceae)**

Species new for the flora of Molise.

Campomarino Lido (Campobasso) (UTM WSG84: 33T 507694 E, 4642642 N), incolti aridi, 3 m, 3.4.2024, *D.C. Palermo* (APP No. 74162).

Numerous specimens form dense stands on a steep, north-facing embankment along a dirt road parallelling the Adriatic railway line. The substrate, rich in skeletal material, is patchily covered by moss; the species is associated with others herbaceous species as *Anacyclus clavatus* (Desf.) Pers., *Asphodelus fistulosus*, *Valerianella eriocarpa* Desv., and *Misopates orontium* (L.) Raf.

***Bupleurum gerardi* All. (Apiaceae)**

Species confirmed for the flora of Molise.

S. Michele a Foce, parte bassa (Castel S. Vincenzo, Isernia), campi e prati aridi, 900 m, 9.7.1993, *F. Conti* (APP No. 28750).

***Carex muricata* L. (Cyperaceae)**

Species new for the flora of Molise and Calabria.

San Massimo (Campobasso), Monti del Matese, loc. Grotta delle Ciaole (UTM WSG84: 33T 448141 E, 4590049 N), pendio erboso, 1650 m, 11.6.2022, *D.C. Palermo*, rev. *H. Więclaw, J. Koopman* (APP No. 74139); S. Giovanni in Fiore (Cosenza), M. Pettinascura, 19.6.1990, *F. Conti*, rev. *H. Więclaw, J. Koopman* (APP No. 64627).

The population from Molise is made up of a few tufts (4–5) that grow on a narrow pasture strip bordered to the north by the beech forest and to the south by a very steep area with calcareous scree, in turn bordered by a high cliff. On the nearby rock formation there are several species of the genus *Saxifraga* Tourn. ex L., while on the scree the presence of *Hypericum richerii* subsp. *grisebachii* (Boiss.) Nyman, *Rumex scutatus* L. and *Bunium bulbocastanum* L. prevails. On the narrow pasture strip also grow *Achillea millefolium* L., *Vincetoxicum hirundinaria* Medik. subsp. *hirundinaria*, *Campanula foliosa* Ten., and *Malva moschata* L. In Bartolucci & al. (2024), no subspecies are recognised for the Italian flora, but according to Koopman & al. (2025) the collected specimens belong to *C. muricata* subsp. *muricata*. Molina & al. (2008) reported *C. muricata* subsp. *cesanensis* Molina Gonz., Acedo & Llamas for Italy, a taxonomically doubtful subspecies regarded by Bartolucci & al. (2024) as synonym of *C. muricata*.

***Corydalis densiflora* subsp. *apennina* F.Conti, Bartolucci & Uzunov (Papaveraceae)**

Subspecies new for the flora of Molise.

Observed in loc. Grotta delle Ciaole, Matese Molisano, S. Massimo (CB), 41.4628°N; 14.3754°E, 1650 m, 5.2016 by *D.C. Palermo* and recorded as *C. densiflora* (Nicolella & al. 2026). Based on the published photos (<https://www.actaplantarum.org/forum/viewtopic.php?t=139176>) the plant observed belong to the subsp. *apennina*.

***Corydalis intermedia* (L.) Mérat (Papaveraceae)**

Species to be excluded from the flora of Abruzzo.

Currently considered present in Abruzzo (Bartolucci & al. 2024) based on the record for the Velino massif (Petriccione 1993). According to B. Petriccione (pers. comm.) that record refers to Mts. of Duchessa, within the Velino Massif, but falling in Lazio region. The species should therefore be excluded from Abruzzo.

***Dianthus carthusianorum* subsp. *atrorubens* (All.) Pers. (Caryophyllaceae)**

Subspecies new for the flora of central Apennines (Lazio and Abruzzo).

M.ti della Laga - Macchie Piane, Pizzo di Sevo (Amatrice, Rieti), pascolo, 1700 m, 4.7.1998, *F. Conti & D. Tinti* (APP No. 18802); Valle delle Cornacchie (Pietracamela, Teramo), prati, 17.7.2008, *A. Manzi* (APP No. 32259); Prato Selva (Fano Adriano, Teramo), cespuglieti e margine di faggeta su arenaria (flysch della Laga), 1370 m, 19.6.2010, *F. Conti, F. Bartolucci & N. Ranalli* (APP No. 43404); crinale che divide il Vallone del Monte dalla Valle del Venacquaro (Fano Adriano, TE), pascoli montani su arenaria (flysch del Gran Sasso), 1700-1800 m, 18.6.2010, *F. Bartolucci & N. Ranalli* (APP No. 43483); dal Rifugio del Monte al Vallone del Monte (Fano Adriano, Teramo), rupi (calcari marnosi e calcareniti) e pascoli su sedimenti morenici, 1615-2000 m, 19.6.2010, *F. Conti, F. Bartolucci & N. Ranalli* (APP No. 43526); Prato Selva (Fano Adriano, Teramo), pascoli, 1370 m, 21.6.2011, *F. Conti* (APP No. 50547); Prato Selva (Fano Adriano, Teramo), pascoli, 1370 m, 21.6.2011, *F. Conti* (APP No. 50548); Sentiero fra “La Madonnina” e il Rif. Franchetti (Pietracamela, Teramo), praterie alpine e pendii rupestri, 2000-2400 m, 1.7.2024, *F. Bartolucci, F. Conti, A. Marziali & G. Zangari* (APP No. 73594); Valle Castellana (Teramo), Pizzo di Sevo, da Macchie Piane alla vetta, praterie e pendii, 1570-2390 m, 17.7.2024, *F. Conti & A. Marziali* (APP Nos 74266, 74275).

The previous records for Abruzzo of *Dianthus carthusianorum* subsp. *carthusianorum* (Bartolucci & al. 2012) should be referred here.

***Dianthus carthusianorum* L. subsp. *carthusianorum* (Caryophyllaceae)**

Subspecies to be excluded from the flora of Abruzzo.

Recorded by Bartolucci & al. (2012) for northern slopes of Gran Sasso. The critical revision of the herbarium specimens kept at APP collected on Gran Sasso and Monti della Laga allowed us to correctly identify them as *D. carthusianorum* subsp. *atrorubens*. The most common infraspecific taxon in the central Apennines is the endemic subsp. *tenorei* (Lacaita) Pignatti.

***Euphorbia seguieriana* Neck. subsp. *seguieriana* (Euphorbiaceae)**

Subspecies to be excluded from the flora of Abruzzo.

This taxon is currently regarded as doubtfully present in Abruzzo (Bartolucci & al. 2024). It was recorded for Mt. Sirente (Tammaro & al. 1974; Veri & Tammaro 1980) but later not confirmed by Guarrera & Tammaro (1996) and never found during field research. Confused with *Euphorbia japygica* Ten. subsp. *prostrata* (Fiori) Del Guacchio & Frajman.

***Hypericum richeri* subsp. *grisebachii* (Boiss.) Nyman (Hypericaceae)**

Subspecies new for the flora of Italy (Umbria, Marche, Lazio, Abruzzo, Molise, Campania, Basilicata).

UMBRIA: Pian Grande, in vic. Erbai, 1280 m, 29.6.1956, *V. Marchesoni* (CAME); Piano Grande, nardeto, 1270 m, 16.7.1962, *V. Marchesoni* (CAME); Costa Sassetti, falascheto, 1450 m, 16.7.1962, *V. Marchesoni* (CAME); Pian Grande (zona inghiottitoio), Comune di Norcia (Perugia, Umbria, Italia), 1300 m, prati pingui, substr. calcareo, cartografia: RCFR 337030UTM, 4.7.2005, *F. Maggi & D. Lucarini* (CAME); MARCHE: Monti di Fabriano e Arcevia (700-1000 m), 8.1885, *G. Bargellini* (FI); in Appennino Piceno, a M. Biccio, 8.1847, *Gennari* (FI); in pratis alpinis, M. Vettore, s.d., *A. Orsini* (FI); M. Lieto, Castelsantangelo sul Nera (Macerata, Marche, Italia), 1750 m, pascoli pingui, 22.7.2015, *D. Lucarini* (CAME); Forca Canapine, 1550-1600 m, 10.7.1957, *F. Pedrotti* (CAME); LAZIO: Pizzo di Moscio - Cima Lepri (Amatrice, Rieti), vaccinieto, 2430 m, 13.8.2002, *F. Conti & A. Manzi* (APP No. 2204); ABRUZZO: M. dei Fiori, quasi alla cima di Prato [Cardoso?], 14.7.1877, [*G. Gennari*?] (FI); M. dei Fiori, s.d., *Herb. Ricasoli* (FI); Montagna dei Fiori, loc. il Vallone (Valle Castellana, Teramo), pascoli, 1600 m, 3.7.1999, *F. Conti, G. Capecci & D. Tinti* (APP No. 583); *ibidem*, 1800 m, 7.7.1998, *G. Capecci* (APP No. 650); Gruppo del Gran Sasso, Vallone dallo Scoppaturo a Fonte Cupa (Castel del Monte, L'Aquila), pendii rupestri, 1480-1580 m, 20.7.1999, *F. Conti, D. Lakusić & Ph. Küpfer* (APP No. 1199); Vallone di S. Pietro (Isola del Gran Sasso d'Italia, Teramo), pascoli esposti a NO, 1450-1650 m, 5.8.2002, *F. Conti* (APP No. 1803); *ibidem*, pascoli sassosi esposti a N, 1650-1822 m, 5.8.2002, *F. Conti* (APP Nos 1850, 1851, 1852); La Sfischia (Caramanico Terme, Pescara), radure, 1200 m, 23.6.2002, *F. Conti & D. Tinti* (APP No. 2025); Majelletta (Roccamorice, Pescara), pascoli sassosi di montagna, 2003 m, 6.7.2002, *F. Conti & al.* (APP No. 4876); Lago di Passaneta (Barisciano, L'Aquila), pascoli, 1561-1590 m, 12.9.2003, *A. Bernardini & F. Conti* (APP No. 5175); Sotto il Corno Piccolo al Castellano (Pietracamela, Teramo), pascoli, 1800 m, 7.7.1957, *T. Di Poppa* (APP No. 6019); Blockhaus-M. Focalone (Pennapiedimonte-Caramanico Terme, Chieti-Pescara), pascoli sassosi, 2100-2600 m, 4.7.2004, *G. D'Orazio* (APP No. 12184); Gobbe di Selva Romana (Pennapiedimonte, Chieti), pendii rupestri, 1800 m, 28.7.1991, *F. Conti* (APP No. 12981); Gran Sasso, tra Vado di Corno e Valle dell'Inferno (Isola del Gran Sasso, Teramo), pascoli, 1950 m, 17.7.2004, *F. Conti & F. Bartolucci* (APP No. 16618); Gran Sasso - Fossaceca, presso la Fonte del Peschio (Isola del Gran Sasso, Teramo), pascolo, 1378 m, 5.7.1997, *F. Conti* (APP No. 17401); Gran Sasso - Fondo della Salsa (Castelli, Teramo), radura, 1000 m, 13.10.1991, *F. Conti* (APP No. 17635); Gruppo della Laga - Valle del Rio Castellano, Pianaccio (Valle Castellana, Teramo), praterie, pascoli sassosi, alvei di torrente, 1850-2090 m, 14.7.2005, *F. Conti & S. Cecchetti* (APP No. 20894); Gruppo della Laga - Valle del Rio Castellano, Pizzo di Sevo - M. di Mezzo (Rocca S. Maria, Teramo), erbe alte, praterie, detriti, 2200 m, 19.7.2005, *S. Cecchetti* (APP No. 20895); M. Velino, cime e aree limitrofe (Magliano de' Marsi, L'Aquila), 2100-2450 m, 28.7.2006, *F. Conti & R. Soldati* (APP No. 34645); Campo Pericoli (Pietracamela, Teramo), 3.7.1993, *F. Conti* (APP No. 35149); Valle del Venacquaro, dal ghiaione del Brecciarone, Fonte Gelata fino a loc. Capovelle (Fano Adriano, Teramo), pendii rupestri, 1330-1842 m, 18.6.2010, *F. Conti* (APP No. 43643); Prato Selva (Fano Adriano, Teramo), cespuglieti e margine di faggeta su arenaria (flysch della Laga), 1370 m, 19.6.2010, *F. Conti* (APP No. 43686); M. Gorzano (Crognaleto, Teramo), pascolo, 1987, *F. Conti* (APP No. 55136); MOLISE: da Campitello verso M. Miletto (Campitello Matese, Campobasso), 1750 m, 20.7.2006, *F. Conti* (APP No. 60778); da Campitello Matese al circolo glaciale di M. Miletto, 5.8.1978, *P.V. Arrigoni & E. Nardi*

(FI); CAMPANIA: M.ti Picentini (App. Campano), pascoli alla vetta del M. Cervialto, tra i 1750 e i 1800 m, specialmente a nord, 16.7.1975, *B. Moraldo & V. La Valva* (FI).

In Italy, from the Alps to the southern Apennines, only *Hypericum richeri* subsp. *richeri* is reported (Bartolucci & al. 2024). According to Marhold (2011+) subsp. *grisebachii* would also be present in Italy on the basis of Tutin & al. (1968) and Greuter & al. (1986) but in these floras there are no records of this taxon for Italy. The critical revision of several herbarium specimens (APP, FI) from the Apennines previously identified as *H. richeri* subsp. *richeri* has allowed us to reassign them to the subsp. *grisebachii*, new for the Italian flora (Bartolucci & al. 2024). According to Robson (2010), based on the study of a few herbarium specimens, *H. richeri* subsp. *richeri* would be present in the Apennines. Furthermore, in Figure 22 in Robson (2010), the drawings of the sepals of the two subspecies (subsp. *richeri* and subsp. *grisebachii*) are inverted (compared with the morphological descriptions in the same paper) and this could have generated confusion in the attribution of the Apennine populations. It seems to us that the length of the glandular cilia at the sepals margin is the best diagnostic character to correctly identify the two subspecies. Based on our observations and in agreement to Robson (2010) *H. richeri* subsp. *richeri* has sepals with a glandular-fimbriate margin, and subsp. *grisebachii* has sepals with a glandular-ciliate to subentire or rarely entire margin. Furthermore, based on our measurements it is clear that subsp. *richeri* has glandular cilia on the sepal margin (0.5–) 0.7–1.2 (–1.2) mm long, while subsp. *grisebachii* (0.15–) 0.2–0.3 (–0.4) mm long. In the northern Apennines, there are populations with glandular cilia of intermediate length between those of the two subspecies, while in the Apuan Alps, they appear to have shorter cilia, which would suggest the subsp. *grisebachii*. Further investigation is needed. No specimens have been collected or observed in Basilicata, but it is very likely that the subsp. *grisebachii* occurs in this region.

***Hypericum richeri* subsp. *richeri* (Hypericaceae)**

Subspecies to be excluded from the flora of Italy (Umbria, Marche, Lazio, Abruzzo, Molise, Campania, Basilicata).

The critical revision of the herbarium specimens kept at APP, CAME, and FI allowed us to correctly identify them as *H. richeri* subsp. *grisebachii* (Boiss.) Nyman.

***Lamium hybridum* Vill. (Lamiaceae)**

Species confirmed for the flora of Abruzzo.

Valle dell'Orta. riva destra sotto San Valentino (presso il tholos) (San Valentino, Pescara), campi, 400 m, 20.3.1994, *F. Conti* (APP No. 12378).

In Abruzzo previously recorded for Mt. dei Fiori (Mennema 1989 quotes a specimen collected by Orsini).

***Linaria micrantha* (Cav.) Hoffmanns. & Link (Plantaginaceae)**

Species new for the flora of Molise.

Campomarino Lido (Campobasso) (UTM WSG84: 33T 550488 E, 4641788 N), incolti aridi, 4 m, 13.3.2024, *D.C. Palermo* (APP No. 74163).

The species is present with many specimens that grow over a long stretch on a narrow strip along the edges of the railway embankment and on a sandy substrate consisting of

compacted sand, distributed along the bottom of the embankment itself. Despite the inhospitable and nutrient-poor substrate, numerous other herbaceous plant species also grow on the embankment, including *Linaria simplex* (Willd.) Desf., *Anacyclus clavatus* (Desf.) Pers., *Asphodelus fistulosus*, and *Misopates orontium*.

***Onosma pseudoarenaria* subsp. *helvetica* (Nyman) Rauschert (*Boraginaceae*)**

Taxon to be excluded from the flora of Abruzzo.

It was recorded for Mt. Sirente over Secinaro, Ajelli, Serra di Celano, Ovindoli, over Goriano Valli (Guarrera & Tammaro 1996) as *Onosma helvetica* (A.DC.) Boiss. In Bartolucci & al. (2024) these records of *O. helvetica* were included in *O. pseudoarenaria* subsp. *helvetica*. On the basis of the specimens housed in APP and collected at the same localities cited by Guarrera & Tammaro it refers to *O. echiioides* (L.) L.

***Phelipanche nana* (Reut.) Soják (*Orobanchaceae*)**

Species confirmed for the flora of Umbria.

Ferentillo (Terni), Colle Schiopponi versante NO (UTM WGS84: 33T 322684 E, 4724622 N), radura in querceto termofilo, 585 m, 29.4.2025, *F. Falcinelli* (APP).

***Potentilla grandiflora* L. (*Rosaceae*)**

Species to be excluded from the flora of Abruzzo.

In the central Apennines previously recorded only on Mt. Velino (Martelli 1904). Based on field observations it should be excluded from the entire region.

***Ranunculus circinatus* Sibth. (*Ranunculaceae*)**

Species to be excluded from the flora of Abruzzo.

Recorded for Mt. Sirente (Guarrera & Tammaro 1996 quote Groves 1880) and Campo Felice (De Santis & Soldati 2011, 2019). Groves (1880) cited *Batrachium divaricatum* Sch., synonym of *R. trichophyllus* Chaix. Guarrera & Tammaro (1996) could not find specimens collected by Groves. Anyway, the examination of the images in De Santis & Soldati (2011, 2019 and available at <https://www.lucoli.it/floradilucoli/>) and also the specimens collected by us at Campo Felice allowed us to attribute them to *R. trichophyllus*.

***Sedum caespitosum* (Cav.) DC. (*Crassulaceae*)**

Species confirmed for the flora of Umbria.

Bevagna (Perugia), Cantalupo, Strada Provinciale 403 di Bevagna in corrispondenza del ponte sul Torrente Attone (UTM WGS84: 33T 302842 E, 4759686 N), margine stradale, 205 m, 5.5.2025, *F. Falcinelli* (APP); Campello sul Clitunno (Perugia), Pissignano, viale Fonti del Clitunno (UTM WGS84: 33T 316913 E, 4745189 N), margine stradale, 235 m, 27.4.2025, *F. Falcinelli* (APP); Foligno (Perugia), Zona Industriale La Paciana, via Antonio da Sangallo in prossimità dell'incrocio con via Enrico Giustozzi (UTM WGS84: 33T 310583 E, 4759947 N), margine stradale, 224 m, 25.4.2025, *F. Falcinelli* (APP); Massa Martana (Perugia), Collacchione, Strada Statale 316 dei Monti Martani nelle vicinanze del km 29 (UTM WGS84: 33T 298140 E, 4743842 N), margine stradale, 540 m, 30.4.2025, *F. Falcinelli* (APP). Spello (Perugia), Ponte Chiona, via Antonio da Sangallo (UTM WGS84: 33T 310428 E, 4760715 N), margine stradale, 220 m, 25.4.2025, *F.*

Falcinelli (APP); Spoleto (Perugia), Strada Statale 685 Tre Valli Umbre in prossimità del km 62 tra il Fosso Cortaccione e Croceferro (UTM WGS84: 33T 315484 E, 4737936 N), margine stradale, 250 m, 26.4.2025, *F. Falcinelli* (APP); Trevi (Perugia), via Flaminia (UTM WGS84: 33T 315321 E, 4748752 N), margine stradale, 230 m, 27.4.2025, *F. Falcinelli* (APP).

***Populus nigra* subsp. *neapolitana* (Ten.) Maire (Salicaceae)**

Subspecies new for the flora of Molise.

Sorgenti del Volturno (Rocchetta a Volturno, Isernia), ambiente umido, 570 m, 2.5.1992, *F. Conti* (APP No. 31324).

***Utricularia australis* R.Br. (Lentibulariaceae)**

Species new for the National Park of Gran Sasso and Monti della Laga, second locality for the flora of Abruzzo.

Campotosto (L'Aquila), Lago di Campotosto (WGS 84: 33T 367703E, 4711212N), rive, 1315 m, 16.8.2025, *F. Conti* & *V. Giacanelli* (APP No. 74278).

The presence of *U. minor* L. has been reported in the Campotosto peat bog (Cecchettani 1907) but there are no specimens in RO that can confirm its presence in the past, so we considered it doubtful for Abruzzo (Bartolucci & al. 2024). Some non-flowering individuals of an *Utricularia* sp. were recently found by Leonardo Rosati and Goffredo Filibeck who informed us of their discovery. The collection and examination of complete individuals allowed us to identify them. In Abruzzo *U. australis* has previously been recorded only for Lago Battista in the National Park of Maiella (Pirone & al. 2015).

Alien taxa

***Bergenia crassifolia* (L.) Fritsch (Saxifragaceae)**

Casual alien new for the flora of Umbria.

Narni (Terni), Colle Stracciolo versante O tra la Stalla del Prete e la Stalla Cessi (UTM WGS84: 33T 299549.4704746), margine stradale, 555 m, 23.2.2026, *F. Falcinelli* (APP).

Neophyte with some specimens that have escaped from cultivation.

***Cedrus atlantica* (Endl.) G.Manetti ex Carrière (Pinaceae)**

Casual alien new for the flora of Umbria.

Acquasparta (Terni), Monti Martani, vicinanze della Casetta dello Scoppio (UTM WGS84: 33T 301869 E, 4734865 N), arbusteto al margine della strada, 720 m, 31.8.2025, *F. Falcinelli* (APP).

***Cortaderia selloana* (Schult. & Schult.f.) Asch. & Graebn. (Poaceae)**

Casual alien new for the flora of Umbria.

Allerona (Terni), vicinanze di Pratale lungo la S. P. 49 di Allerona (UTM WGS84: 32T 744084 E, 4743692 N), margine stradale, 340 m, 25.9.2025, *F. Falcinelli* (APP).

Only one individual was observed.

Cylindropuntia imbricata subsp. *spinosior* (Engelm.) M.A.Baker, Cloud-H. & Majure (*Cactaceae*)

Casual alien new for the flora of Umbria and Abruzzo.

Montefalco (Perugia), vicinanze di Casa Moncelli lungo la S.P. 446 di Monte Imperiale (UTM WGS84: 33T 306361 E 4749392 N), margine stradale, 335 m, 11.12.2025, *F. Falcinelli* (APP).

Observed as casual close to Ofena (L'Aquila) at the entrance to the village coming from Capestrano and in the upper part of Capo d'Acqua (Capestrano, L'Aquila).

Datura ferox L.

Casual alien new for the flora of Molise.

Campomarino (Campobasso), c/da Ramitelli (UTM WGS84: 33T 510868E, 4641230N), 3 m, 29.10.2025, *D.C. Palermo* (observed but not collected).

Grows on agricultural land with sandy substrate, flat terrain, not under cultivation at the time of observation. The plant is present with several specimens and shares the habitat with numerous herbaceous species, including *Datura stramonium* L., *Chenopodium album* L., *Amaranthus retroflexus* L., *Cyperus rotundus* L., and *Portulaca oleracea* L.

Hedera algeriensis Rantonnet ex C.Morren (*Araliaceae*)

Casual alien new for the flora of Abruzzo.

Secinaro (L'Aquila), presso il cimitero (UTM WGS 84: 33T 390743 E, 4667444 N), incolti aridi, 820 m, 9.10.2025, *F. Conti & F. Bartolucci* (APP Nos 74187-74192).

Hydrocharis laevigata (Humb. & Bonpl. ex Willd.) Byng & Christenh. (*Hydrocharitaceae*)

Casual alien new for the flora of central-southern Italy (Lazio).

Ponza (Latina), Isola di Ponza al M. Guardia, stagno in prossimità della cima, 280 m, 20.4.2025, *F. Conti & V. Giacanelli* (oss. pers.)

The native range of *H. laevigata* extends across the tropics of Central and South America. Naturalised populations can now be found on all continents, with the exception of Antarctica. It is known to occur as introduced in the following European countries: Belgium, Hungary, Netherlands, Poland, France, Spain, and Sweden. (Garcia-Murillo 2023; POWO 2026). In Italy it was recently recorded in Lombardia (Roma Marzio & al. 2025).

Leucanthemum ×superbum (Bergmans ex J.W.Ingram) D.H.Kent (*Asteraceae*)

Casual alien new for the flora of Abruzzo.

Rocca di Mezzo (L'Aquila), ambienti ruderali, 1280 m, 13.8.2025, *F. Bartolucci* (APP Nos 73526, 73527).

Lobularia maritima (L.) Desv. (*Brassicaceae*)

Casual alien new for the flora of Umbria.

Foligno (Perugia), tra Corvia e la Torre di Montefalco al margine della S.P. 444 di Montefalco (UTM WGS84: 33T 309336 E, 4755862 N), margine stradale, 210 m, 11.10.2025, *F. Falcinelli* (APP).

Muscari armeniacum H.J.Veitch (*Asparagaceae*)

Casual alien new for the flora of Lazio.

Rieti, F. Velino in città (UTM WGS84: 33T 324072 E, 4696433 N), rive, 389 m, 8.3.2026, F. Conti & V. Giacanelli (APP).

Nymphaea ×marliacea Lat.-Marl. (*Nymphaeaceae*)

Casual alien new for the flora of Abruzzo.

Lago di Bominaco (Caporciano, L'Aquila), lago, 900 m, 18.7.2025, F. Bartolucci & F. Conti (APP No. 73532).

Observed only two flowered individuals.

Phacelia tanacetifolia Benth. (*Hydrophyllaceae*)

Casual alien new for the flora of Umbria.

Scheggia e Pascelupo (Perugia), Monte Cerro versante SO nei pressi della Strada Statale 3 Via Flaminia (UTM WGS84: 33T 310016 E, 4810014 N), scarpata sottostante la strada, 540 m, 8.5.2025, F. Falcinelli (APP).

Numerous individuals have been observed.

Pinus sylvestris L. (*Pinaceae*)

Casual alien new for the flora of Umbria.

Foligno (Perugia), Monte di Cupigliolo versante O-NO (UTM WGS84: 33T 325581 E, 4762072 N), incolto al margine di un rimboschimento misto di conifere, 915 m, 13.1.2026, F. Falcinelli (APP).

A few dozen individuals up to 1.8 m tall were observed.

Pseudotsuga menziesii (Mirb.) Franco (*Pinaceae*)

Casual alien new for the flora of Umbria.

Acquasparta (Terni), Monti Martani, tra Case Canapine e Le Cese nelle vicinanze della Fontana dei Pioppetti (UTM WGS84: 33T 302337 E, 4728524 N), margine stradale nelle vicinanze di un rimboschimento misto di conifere, 645 m, 30.4.2025, F. Falcinelli (APP); ibidem (UTM WGS84: 33T 302049 E, 4728553 N), 685 m, 30.4.2025, F. Falcinelli (APP).

Observed about ten individuals taller than two meters.

Trachycarpus fortunei (Hook.) H.Wendl. (*Arecaceae*)

Casual alien new for the flora of Umbria.

Assisi (Perugia), tra Porta Nuova e le Poste Italiane (UTM WGS84: 33T 306193 E, 4771025 N), incolto, 410 m, 19.12.2025, F. Falcinelli (APP).

Observed some young individuals.

Triticum ×requienii Ces., Pass. & Gibelli nothosubsp. ***requienii*** (*Poaceae*)

Casual alien new for the flora of Abruzzo.

Rocca di Mezzo, L'Aquila, incolti, 1280 m, 7.6.2025, F. Bartolucci & F. Conti, rev. E. Banfi (APP No. 73401).

***Yucca filamentosa* L. (Asparagaceae)**

Casual alien new for the flora of Abruzzo.

Molina Aterno (L'Aquila), presso il Cimitero (UTM WGS84: 33T 395547 E, 4667221 N), 512 m, incolti, 7.12.2025, F. Conti, V. Giacanelli, M. Miglio & B. Santucci (APP No. 74160).

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