

## Notulae to the Italian native vascular flora: 8

Fabrizio Bartolucci<sup>1</sup>, Gianniantonio Domina<sup>2</sup>, Nicola M.G. Ardenghi<sup>3</sup>, Giovanni Bacaro<sup>4</sup>, Gianluigi Bacchetta<sup>5</sup>, Franco Ballarin<sup>6</sup>, Enrico Banfi<sup>7</sup>, Giuseppina Barberis<sup>8</sup>, Leonardo Beccarisi<sup>9</sup>, Liliana Bernardo<sup>10</sup>, Gianmaria Bonari<sup>11</sup>, Federica Bonini<sup>12</sup>, Salvatore Brullo<sup>13</sup>, Sergio Buono<sup>14</sup>, Vito Buono<sup>15</sup>, Mario Calbi<sup>16</sup>, Franco Caldararo<sup>17</sup>, Giacomo Calvia<sup>5</sup>, Laura Cancellieri<sup>18</sup>, Serafino Cannavò<sup>19</sup>, Davide Dagnino<sup>8</sup>, Assunta Esposito<sup>20</sup>, Simonetta Fascetti<sup>21</sup>, Goffredo Filibeck<sup>18</sup>, Graziana Fiorini<sup>22</sup>, Luigi Forte<sup>23</sup>, Gabriele Galasso<sup>7</sup>, Giovanni Gestri<sup>24</sup>, Daniela Gigante<sup>12</sup>, Günter Gottschlich<sup>25</sup>, Leonardo Gubellini<sup>26</sup>, Nicole Hofmann<sup>27</sup>, Lorenzo Lastrucci<sup>28</sup>, Michele Lonati<sup>29</sup>, Richard Lorenz<sup>30</sup>, Livia Lunardi<sup>22</sup>, Sara Magrini<sup>31</sup>, Andrea Mainetti<sup>29</sup>, Giovanni Maiorca<sup>32</sup>, Giuliano Mereu<sup>33</sup>, Rita T. Messa Ballarin<sup>6</sup>, Luigi Minuto<sup>8</sup>, Sara Mossini<sup>34</sup>, Carmelo M. Musarella<sup>19</sup>, Pier Luigi Nimis<sup>4</sup>, Nicodemo G. Passalacqua<sup>35</sup>, Simonetta Peccenini<sup>8</sup>, Bruno Petriglia<sup>36</sup>, Lina Podda<sup>5</sup>, Giovanna Potenza<sup>21</sup>, Simone Ravetto Enri<sup>29</sup>, Francesco Roma-Marzio<sup>37</sup>, Leonardo Rosati<sup>21</sup>, Alessandro Ruggero<sup>38</sup>, Giovanni Spampinato<sup>19</sup>, Adriano Stinca<sup>20</sup>, Manuel Tiburtini<sup>39</sup>, Corrado Tietto<sup>40</sup>, Valeria Tomaselli<sup>41</sup>, Claudia Turcato<sup>8</sup>, Daniele Viciani<sup>22</sup>, Robert P. Wagensommer<sup>42</sup>, Chiara Nepi<sup>28</sup>

**1** Centro Ricerche Floristiche dell'Appennino (Università di Camerino – Parco Nazionale del Gran Sasso e Monti della Laga), San Colombo, 67021 Barisciano (L'Aquila), Italy **2** Dipartimento di Scienze Agrarie, Alimentari e Forestali, Università di Palermo, Viale delle Scienze, ed. 4, 90128 Palermo, Italy **3** Dipartimento di Scienze della Terra e dell'Ambiente, Università di Pavia, Via Sant'Epifanio, 14, 27100 Pavia, Italy **4** Dipartimento di Scienze della Vita, Università di Trieste, Via L. Giorgieri 10, 34127, Trieste, Italy **5** Dipartimento di Scienze della Vita e dell'Ambiente, Università di Cagliari, Viale Sant'Ignazio da Laconi 13, 09123 Cagliari, Italy **6** Rione Sant'Andrea 431, 30015 Chioggia (Venezia), Italy **7** Sezione di Botanica, Museo di Storia Naturale di Milano, Corso Venezia 55, 20121 Milano, Italy **8** Dipartimento di Scienze della Terra, dell'Ambiente e della Vita, Università di Genova, Corso Europa 26, 16132 Genova, Italy **9** Riserva Naturale dello Stato di Torre Guaceto, Via Sant'Anna 6, 72012 Carovigno (Brindisi), Italy **10** Dipartimento di Biologia, Ecologia e Scienze della Terra (DIBEST), Università della Calabria, 87036 Arcavacata di Rende (Cosenza), Italy **11** Department of Botany and Zoology, Masaryk University, Kotlářská 2, CZ-611 37 Brno, Czech Republic **12** Dipartimento di Scienze Agrarie, Alimentari e Ambientali, Università di Perugia, Borgo XX Giugno 74, 06121 Perugia, Italy **13** Dipartimento di Scienze Biologiche, Geologiche e Ambientali, Università di Catania, Via A. Longo 19, 95125 Catania, Italy **14** GIROS Sezione "Etruria Meridionale", Via XXV Aprile 6, 01010 Oriolo Romano (Viterbo), Italy **15** Vico Traversa 2, 70127 Bari, Italy **16** Via Pisacane 16/8, 16129 Genova, Italy **17** Via Pagano 4/6, 85034 Fardella (Potenza), Italy **18** Dipartimento di Scienze Agrarie e Forestali, Università della Tuscia, Via San Camillo de Lellis snc, 01100 Viterbo, Italy **19** Dipartimento di Agraria,

Università Mediterranea di Reggio Calabria, Feo di Vito snc, 89122 Reggio Calabria, Italy **20** Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche, Università della Campania Luigi Vanvitelli, Via A. Vivaldi 43, 81100 Caserta, Italy **21** Scuola di Scienze Agrarie, Forestali e Ambientali, Università della Basilicata, Via Ateneo Lucano 10, 85100 Potenza, Italy **22** Dipartimento di Biologia, Università di Firenze, Via G. La Pira 4, 50121 Firenze, Italy **23** Dipartimento di Biologia e Museo Orto Botanico, Università di Bari Aldo Moro, Via Orabona 4, 70125 Bari, Italy **24** Via Bonfiglioli 30, 59100 Prato, Italy **25** Hermann-Kurz Strasse 35, D-72074 Tübingen, Germany **26** Centro Ricerche Floristiche Marche, Provincia di Pesaro e Urbino, Via Barsanti 18, 61121 Pesaro (Pesaro e Urbino), Italy **27** Dipartimento di Scienze Agrarie, Alimentari e Ambientali, Università Politecnica delle Marche, Via Breccie Bianche 10, 60131 Ancona, Italy **28** Museo di Storia Naturale, Università di Firenze, Via G. La Pira 4, 50121 Firenze, Italy **29** Dipartimento di Scienze Agrarie, Forestali e Alimentari, Università di Torino, Largo P. Braccini 2, 10095 Grugliasco (Torino), Italy **30** Leibnizstrasse 1, 69469 Weinheim, Germany **31** Banca del Germoplasma della Toscana, Università della Toscana, Largo dell'Università, 01100 Viterbo, Italy **32** Agenzia Regionale per lo Sviluppo dell'Agricoltura Calabrese (ARSAC), Viale Trieste, 95 87100 Cosenza, Italy **33** Via Alghero 17, 08042 Bari Sardo (Ogliastra), Italy **34** Via E. Raovati 6, 27049 Stradella (Pavia), Italy **35** Museo di Storia Naturale della Calabria ed Orto Botanico, Università della Calabria, Via Savinio 87036 Arcavacata di Rende (Cosenza), Italy **36** Via Fontana Santo Stefano 24, 03011 Alatri (Frosinone), Italy **37** Sistema Museale di Ateneo, Orto e Museo Botanico, Università di Pisa, Via L. Ghini 13, 56126 Pisa, Italy **38** Loc. Parapinta, 07029 Tempio Pausania (Sassari), Italy **39** Via Madonna d'Ere 40, 63900 Fermo, Italy **40** Via Trinità 10, 35020 Pernumia (Padova), Italy **41** Istituto di Bioscienze e Biorisorse, Centro Nazionale delle Ricerche (IBBR/CNR), Via G. Amendola 165/A, Bari, Italy **42** Dipartimento di Chimica, Biologia e Biotecnologie, Università di Perugia, Via del Giochetto 6, 06123 Perugia, Italy

Corresponding author: *Fabrizio Bartolucci* (fabrizio.bartolucci@gmail.com)

---

Academic editor: *L. Peruzzi* | Received 20 November 2019 | Accepted 12 December 2019 | Published 17 December 2019

---

**Citation:** Bartolucci F, Domina G, Ardenghi NMG, Bacaro G, Bacchetta G, Ballarin F, Banfi E, Barberis G, Beccarisi L, Bernardo L, Bonari G, Bonini F, Brullo S, Buono S, Buono V, Calbi M, Caldalaro F, Calvia G, Cancellieri L, Cannavo S, Dagnino D, Esposito A, Fascetti S, Filibeck G, Fiorini G, Forte L, Galasso G, Gestri G, Gigante D, Gottschlich G, Gubellini L, Hofmann N, Lastrucci L, Lonati M, Lorenz R, Lunardi L, Magrini S, Mainetti A, Maiorca G, Mereu G, Messa Ballarin RT, Minuto L, Mossini S, Musarella CM, Nimis PL, Passalacqua NG, Peccenini S, Petriglia B, Podda L, Potenza G, Ravetto Enri S, Roma-Marzio F, Rosati L, Ruggero A, Spampinato G, Stinca A, Tiburtini M, Tietto C, Tomaselli V, Turcato C, Viciani D, Wagensommer RP, Nepi C (2019) Notulae to the Italian native vascular flora: 8. Italian Botanist 8: 95–116. <https://doi.org/10.3897/italianbotanist.8.48626>

---

## Abstract

In this contribution, new data concerning the distribution of native vascular flora in Italy are presented. It includes new records, confirmations, exclusions, and status changes to the Italian administrative regions for taxa in the genera *Ajuga*, *Chamaemelum*, *Clematis*, *Convolvulus*, *Cytisus*, *Deschampsia*, *Eleocharis*, *Epipactis*, *Euphorbia*, *Groenlandia*, *Hedera*, *Hieracium*, *Hydrocharis*, *Jacobaea*, *Juncus*, *Klasea*, *Lagurus*, *Leersia*, *Linum*, *Nerium*, *Onopordum*, *Persicaria*, *Phlomis*, *Polypogon*, *Potamogeton*, *Securigera*, *Sedum*, *Soleirolia*, *Stachys*, *Umbilicus*, *Valerianella*, and *Vinca*. Nomenclatural and distribution updates, published elsewhere, and corrigenda are provided as Suppl. material 1.

## Keywords

Endemic, Floristic data, Italy, Nomenclature

## How to contribute

The text for the new records should be submitted electronically to Chiara Nepi ([chiara.nepi@unifi.it](mailto:chiara.nepi@unifi.it)). The corresponding specimen along with its scan or photograph have to be sent to FI Herbarium: Sezione di Botanica “Filippo Parlatore” del Museo di Storia Naturale, Via G. La Pira 4, 50121 Firenze (Italy). Those texts concerning nomenclatural novelties (typifications only for accepted names), status changes, exclusions, and confirmations should be submitted electronically to: Fabrizio Bartolucci ([fabrizio.bartolucci@gmail.com](mailto:fabrizio.bartolucci@gmail.com)). Each text should be within 2,000 characters (spaces included).

## Floristic records

### *Ajuga tenorei* C.Presl (Lamiaceae)

+ **BAS**: Viggianello (Potenza), Piano Ruggio (WGS84: 39.917186N, 16.136930E), pascolo nitrofilo su suolo calcareo, 1550 m, 9 June 2016, *F. Caldararo* (FI). – Species confirmed for the flora of Basilicata.

This species is reported as doubtful for Basilicata (Bartolucci et al. 2018b), although several ancient and recent records are known for this region from the Pollino mountain range (Tenore 1831; Terracciano 1891; Cavara and Grande 1913; Gavioli 1947; Tomaselli et al. 2003). This report appeared in the web-forum Acta Plantarum (<https://www.floraitaliae.actaplantarum.org/viewtopic.php?t=86853&p=555535>).

L. Bernardo, F. Caldararo

### *Chamaemelum fuscatum* (Brot.) Vasc. (Asteraceae)

+ **CAL**: Caloveto (Cosenza), lungo la SS 531 al km 6,5 (WGS84: 39.554431N, 16.763299E), accumuli di suolo argilloso alla base di un impluvio, 106 m, 6 March 2019, *G. Maiorca* (FI, CLU). – Species new for the flora of Calabria.

This species is reported for Emilia-Romagna (not confirmed), Toscana, Lazio, Abruzzo, Campania, Puglia (not confirmed), Sicilia, and Sardegna (Bartolucci et al. 2018b). We found a rich population on a limited surface, and supposedly it may be widespread on the clayey hills of the Ionian side of Calabria, but rarely observed because of its early flowering time.

L. Bernardo, G. Maiorca, N.G. Passalacqua

### *Clematis recta* L. (Ranunculaceae)

+ **LIG**: Maissana (La Spezia), pendici E di M. Traversa (WGS84: 44.27129N, 9.57325E), ai piedi di una rupe, 800 m, 21 June 2019, *G. Barberis*, *M. Calbi* (GE). – Species confirmed for the flora of Liguria.

The species was cited by Bertoloni (1842–1844) “in Liguria orientali in montibus del Bracco”, “ex Liguria occidua in valle Urìa” and by De Notaris (1844, under the

name *Clematis erecta* All.) “ad fossarum margines in pratis prope Sestri di Levante”. When revising the photographic archive of Lucio Cortesogno, a petrographer and passionate naturalist, a slide was found taken in June 1994 in the “Bracco” area. Research in that area allowed the discovery of the species.

G. Barberis, M. Calbi

***Convolvulus sabatius* Viv. subsp. *sabatius* (Convolvulaceae)**

– (A) **PUG.** – Regional alien subspecies to be excluded from the flora of Puglia.

All the records of this subspecies for Puglia (Bianco 1969; Marchiori et al. 1993; Perrino et al. 2013; Bartolucci et al. 2018b) should be referred to *C. sabatius* subsp. *mauritanicus*, recently collected in the same localities in which *C. sabatius* subsp. *sabatius* was reported (Galasso et al. 2019).

V. Buono, R.P. Wagensommer, L. Forte

***Cytisus spinosus* (L.) Lam. (Fabaceae)**

– **BAS.** – Species to be excluded from the flora of Basilicata.

In Basilicata, *Cytisus spinosus* was reported by Gavioli (1947, under the name *Calycotome spinosa* Lk. var. *typica* Fiori) for two localities of the Ionian sector of the region (Policoro, Bosco di S. Giorgio). Subsequently, it was no longer reported (see e.g., Conti et al. 2006). Moreover, *C. spinosus* is considered absent or doubtfully occurring in the regions surrounding Basilicata, and in the work by Lattanzi (2008) only *C. infestus* (C.Presl) was reported for Basilicata. Based on the the revision of the specimens collected by Gavioli and stored in FI (barcodes FI056257, FI056258), which turned out to be *C. infestus*, we conclude that *C. spinosus* should be excluded from the flora of Basilicata.

L. Rosati, L. Lastrucci, S. Fascetti

***Deschampsia cespitosa* (L.) P.Beauv. subsp. *parviflora* (Thuill.) Dumort. (Poaceae)**

+ **TOS:** Pigelleto, Monte Amiata (Siena), cerreta tagliata (WGS84: 42.806373N, 11.667289E), 950 m s.l.m., 24 Jun 2010, *P. Castagnini* (FI). – Subspecies new for the flora of Toscana.

This subspecies is known for acidophilous broad-leaved forests from lowlands to highlands, but, until now, it was rarely observed in Italy (Bartolucci et al. 2018b).

E. Banfi, G. Bonari, G. Bacaro

***Eleocharis mamillata* (H.Lindb.) H.Lindb. subsp. *austriaca* (Hayek) Strandh. (Cyperaceae)**

0 **CAL:** La Sila (Calabria) Regione Ciricilla zona piana umida, m. 1370, 27 June 1950, *G. Sarfatti, R. Corradi* (FI barcode FI055691). – Species not recently confirmed for the flora of Calabria.

During an ongoing study of herbarium material belonging to *Eleocharis* subser. *Eleocharis* (Lastrucci et al. 2018), a specimen formerly identified by Sarfatti as “*Heleocharis palustris* R. et S.  $\alpha$  *typica* Fiori” and stored in FI within the folder of *Eleocharis palustris* (L.) Roem. & Schult. aroused our interest for the absence of a clear neck-like constriction separating achene and stylopodium. This feature differentiates the *E. mamillata* group from the *E. palustris* group (Strandhede 1966). Moreover, the stomatal structure is typical of the *E. mamillata* complex, with guard cells longer than subsidiary cells and protruding at the ends of the stomata (Strandhede 1966). According to Bartolucci et al. (2018b), *E. mamillata* occurs in Italy with two subspecies: *E. mamillata* subsp. *mamillata* (recorded in Friuli-Venezia Giulia and doubtfully occurring in Valle d’Aosta and Piemonte) and *E. mamillata* subsp. *austriaca* (recorded in Valle d’Aosta, Lombardia, Trentino-Alto Adige, Veneto, and Friuli-Venezia Giulia). The conical structure of the stylopodium and the number of bristles varying between 4 and 5 allowed us to attribute the Calabrian specimen to *E. mamillata* subsp. *austriaca*. The historical presence of this taxon in Calabria could be related to the particular geological and tectonic history of central-southern Calabria, which is a territory of Alpine-European derivation, once close to the Sardinian-Corsican block and subsequently dislocated in its current position (see Haccard et al. 1972; Amodio-Morelli et al. 1976; Bernardo et al. 2011).

L. Lastrucci, L. Lunardi, G. Fiorini, D. Viciani

### ***Epipactis meridionalis* H.Baumann & R.Lorenz (Orchidaceae)**

– **LAZ.** – Species to be excluded from the flora of Lazio.

Baumann and Lorenz (1988) reported the only finding of *Epipactis meridionalis* for Lazio based on a collection by R. Lorenz from Filettino and Guarcino (Frosinone), still kept in his private herbarium. A recent revision of these specimens has led us to attribute them to *E. helleborine* (L.) Crantz, for the observed differences as compared to *E. meridionalis* (i.e. leaves not rounded and longer, epichile only slightly bent backwards, upper stem and ovarium not maroonish). Accordingly, *E. meridionalis* should be excluded from the flora of Lazio.

R. Lorenz, B. Petriglia, S. Buono, S. Magrini

### ***Euphorbia peplis* L. (Euphorbiaceae)**

+ **LIG:** Cogoleto (Genova), foce del T. Lerrone (WGS84 44.39066N, 8.66406E), spiaggia ghiaiosa, 0,5 m, 16 September 2011, *M. Calbi* (GE). – Species confirmed for the flora of Liguria.

*Euphorbia peplis* was indicated in the 19<sup>th</sup> century and in the first half of the 20<sup>th</sup> century for several sites throughout Liguria, before the intensive use of beaches for bathing purposes (see Barberis and Mariotti 1983). It was reported by Bartolucci et al. (2018b) as no longer recorded for the region.

G. Barberis, M. Calbi

***Groenlandia densa* (L.) Fourr. (Potamogetonaceae)**

+ **MAR:** Pioraco (Macerata), torrente Scarzito, presso la cava di ghiaia (WGS84: 43.170817N, 12.982622E), c. 453 m, 8 July 2015, L. Gubellini (FI, PESA). – Species new for the flora of Marche.

*Groenlandia densa* is a eurosibiric hydrophyte, that inhabits stagnant and current waters. In Italy, it has been reported in almost all administrative regions, except for Sardegna and Marche, and by mistake in Friuli Venezia Giulia (Bartolucci et al. 2018b). This species is quite rare and localized in the Marche, where it grows in flowing waters along with *Zannichellia pedunculata* Rchb., *Ranunculus trichophyllus* Chaix, and *Callitriche* sp.

L. Gubellini, N. Hofmann

***Hedera helix* L. subsp. *helix* (Araliaceae)**

+ **SAR.** – Status change from naturalized to native for the flora of Sardegna.

This sub-Atlantic taxon has been considered as native occurring in all the administrative regions of Italy, with the exception of Sardegna, where it is reported as naturalized (Bartolucci et al. 2018b). This status seems to be due to a misunderstanding, since the naturalization of the taxon referred to *H. helix* f. *poetarum* (Nicotra) McAll. & A.Rutherf., which sometimes spreads, by vegetative reproduction, in parks and gardens. On the other hand, the nominal subspecies is also native in Sardegna, as suggested by its distribution throughout the island, as well as the presence of many monumental plants on the Supramontes and in other mountain areas.

G. Bacchetta, G. Calvia, L. Podda

***Hieracium pseudogrovesianum* Gottschl. (Asteraceae)**

+ **TOS:** Abetone (Pistoia), versante N del M. Caligi sopra F. La Piastra (WGS84: 44.080896N, 10.739797E), faggeta, ca. 1500 m, 23 July 2016, leg. G. Gestri, det. G. Gottschlich (FI); Casone di Casamarconi (Pistoia), sopra l'abitato (WGS84: 44.019688N, 10.826457E), bosco misto di castagno e faggio, ca. 1000 m, 24 April 2015, leg. G. Gestri, det. G. Gottschlich (PI No. 021574); Garfagnana, Sella di Campaiana (Lucca), sul versante N della Pania di Corfino (WGS84: 44.206480N, 10.383362E) faggeta, ca. 1500, 30 June 2018, leg. G. Gestri, det. G. Gottschlich (PI No. 021594). – Species new for the flora of Toscana.

This species is endemic to Italy, and it was recorded so far only for Lazio and Abruzzo (Peruzzi et al. 2014, 2015). Based on the available material, it was not possible to attribute the Tuscan specimens to one of the five subspecies known for this species (Bartolucci et al. 2018b).

G. Gestri, G. Gottschlich



***Hydrocharis morsus-ranae* L. (Hydrocharitaceae)**

+ **CAL:** Laureana di Borrello (Reggio Calabria), Lago dell'Aquila (WGS84: 38.510242N, 16.028392E), 34 m, in un'ansa del lago, 12 September 2013, S. Cannavò, C.M. Musarella, G. Spampinato (FI, REGGIO); Laureana di Borrello (Reggio Calabria), Lago dell'Aquila (WGS84: 38.510242N; 16.028392E), 34 m, in un'ansa del lago, 11 September 2014, S. Cannavò, C.M. Musarella, G. Spampinato (REGGIO). – Species new for the flora of Calabria.

*Hydrocharis morsus-ranae* is a Eurasian hydrophyte, typically growing in oligo-mesotrophic and still waters. This species occurs in many northern and central Italian regions, whereas it is no longer recorded in Campania (Bartolucci et al. 2018b). The present record refers to several individuals growing in a bight on the eastern part of Lake Aquila, where a small tributary flows into the lake (Spampinato et al. 2019).

C.M. Musarella, S. Cannavò, G. Spampinato

***Jacobaea maritima* (L.) Pelsler & Meijden subsp. *bicolor* (Willd.) B.Nord. & Greuter (Asteraceae)**

+ **BAS:** Maratea (Potenza), Monte S. Biagio (WGS84: 39.988893N, 15.725553E), garrigues with *Erica multiflora*, 588 m a.s.l., 22 May 2012, L. Cancellieri (FI). – Species new for the flora of Basilicata.

*Jacobaea maritima* subsp. *bicolor* is recorded as native only for Sicilia, Calabria, Campania, and as naturalized alien for Lazio (Bartolucci et al. 2018b). This Italian endemic subspecies is widespread mainly on coastal cliffs, rocks, and screes (Peruzzi et al. 2006; Passalacqua et al. 2008). The population of Monte S. Biagio fills a distribution gap along the southern Tyrrhenian coast.

L. Cancellieri, F. Filibeck

***Juncus atratus* Krock. (Juncaceae)**

+ **ITALIA (UMB):** Castel Santa Maria, Cascia (Perugia), piano carsico soggetto a periodiche inondazioni (WGS84: 42.714089N, 13.106811E), 1065 m s.l.m., 11 July 2018, D. Gigante, F. Bonini, Confirm. L. Lastrucci (FI). – Species confirmed for the flora of Italy (Umbria).

*Juncus atratus* is a central European-southern Siberian wet-meadow species (Kirschner et al. 2002), with a central range extending in the steppe zone of sub-continental western Eurasia (Hultén and Fries 1986). In central Europe, this species is very rare and considered endangered (Schnittler and Gunther 1999). According to Pignatti et al. (2017), in Italy it was reported, probably by mistake, for Lombardia and for one locality in Veneto, in the plains in the surroundings of Verona. This species was considered as occurring in Veneto by Conti et al. (2005), but it was then treated as doubtful by Bartolucci et al. (2018b). We detected *J. atratus* in a karst plain regularly flooded in

winter and spring, in the transition area along the borders of a small temporary lake, in phytocoenoses dominated by *Alopecurus rendlei* Eig or *Eleocharis palustris* (L.) Roem. & Schult. subsp. *palustris*, subjected to summer mowing. The population is rather small and extremely localized. The most prominent distinctive features of this species are the blackish-brown tepals and capsula (*vs.* greenish or pale/castaneous-brown in *J. acutiflorus*, *J. articulatus*, *J. striatus*, and *J. thomasi*), the distinctly separated 5- to 10-flowered heads (*vs.* globose 8–30-flowered heads in *J. striatus*), the leaves with a polygonal (angled) transection (*vs.* circular in *J. articulatus* and *J. acutiflorus*), and the acute capsula (*vs.* obtuse in *J. thomasi*) (Kirschner et al. 2002). In addition, leaf septa are filled with a spider-like cortex (*vs.* hollow in *J. acutiflorus*) (Bernhardt and Britvec 2005). In *Juncus acutiflorus*, outer tepals are slightly curved at the apex (Kirschner et al. 2002; Pignatti et al. 2017), a trait never observed in our specimens. The identification has been confirmed by a comparison with several foreign specimens collected mostly in central Europe and stored in FI, formerly identified by the specialist Sven Snogerup.

D. Gigante, F. Bonini, L. Lastrucci

***Klasea nudicaulis* (L.) Fourr. (Asteraceae)**

+ **LIG:** Pigna (Imperia), Monte Grai, south-eastern slope (WGS84: 43.99501N, 7.67675E), mountain grassland on calcareous substrate, 1740 m, 10 July 2018, leg. D. Dagnino, det. D. Dagnino, C. Turcato (FI, GE No. 636). – Species new for the flora of Liguria.

*Klasea nudicaulis* occurs in Italy, France, Spain, and Morocco (Cantó 1984). In Italy, it is known in Piemonte, Trentino-Alto Adige, Emilia Romagna, Marche, Umbria, Lazio, and Abruzzo (Bartolucci et al. 2018b). Nevertheless, the distribution of this species is still scarcely known, as shown by some recent studies (Bertolli and Prosser 2006; Iocchi et al. 2010). Bartolucci et al. (2018b) consider this species as reported by mistake in Liguria, because the old records in the literature and the herbarium specimens stored in GE pertain to the French Maritime Alps, near the Italian border. Recent records confirmed the presence of this species in south-western Piemonte, close to the Ligurian border (Pascale 2009). We found *K. nudicaulis* in the Ligurian Maritime Alps, in the south-eastern slope of Monte Grai, within the Special Area of Conservation cod. IT1315421 “M. Toraggio – M. Pietravecchia” and the “Alpi Liguri Regional Natural Park”. In the site of discovery, *K. nudicaulis* grows on calcareous substrate in a species-rich mountain grassland, dominated by *Helictotrichon sempervirens* (Vill.) Pilg. with small shrubs and rare trees (*Pinus sylvestris* L.). *Klasea nudicaulis* is, generally, considered as a valuable and rare species in Italy; it is protected by law in Piemonte (L.R. 32/1982) and Umbria (L.R. 49/1987).

D. Dagnino, C. Turcato, L. Minuto

***Lagurus ovatus* L. subsp. *ovatus* (Poaceae)**

+ (CAS) **PIE:** Torino, quartiere Mirafiori, Strada delle Cacce (WGS84: 45.019169N, 7.638775E), interstizio tra marciapiede e piano stradale, 244 m, 4 June 2019, M. Lonati, A. Mainetti, S. Ravetto Enri (FI). – Casual regional alien species new for the flora of Piemonte.



*Lagurus ovatus* L. subsp. *ovatus* is a widespread annual circum-Mediterranean taxon typical of dunes, fallows, and open areas. In Italy, this species has been reported in all regions, except Piemonte. It was probably accidentally introduced by humans from Mediterranean coastal regions. In Piemonte, as well as in Lombardia and Trentino-Alto Adige, it behaves as casual alien species (Bartolucci et al. 2018b).

M. Lonati, A. Mainetti, S. Ravetto Enri

***Leersia oryzoides* (L.) Sw. (Poaceae)**

+ **SAR.** – Status change from casual to native for the flora of Sardegna.

This species, which was first reported as native in Sardegna by Calvia and Urbani (2007), has been more recently considered as an alien casual species by Arrigoni (2015) and Bartolucci et al. (2018b). However, it occurs in rich populations along the rivers flowing to the eastern side of Lake Coghinas, both Riu Mannu di Berchidda and Riu Mannu di Oschiri, where it grows in well-preserved environments, together with several other species typical of riverbanks. It also occurs in a minor stream, in the countryside of Oschiri, flowing along the southern side of Mount Limbara.

G. Calvia, A. Ruggero

***Linum catharticum* L. subsp. *catharticum* (Linaceae)**

+ **SAR:** Seui (Ogliastra), propaggini settentrionali del Montarbu in località Fundu de Tonneri (WGS84: 39.890700N, 9.363300E ± 50 m), margini freschi di strada e mullattiera in arbusteto montano con esposizione a nord, substrato carbonatico, 980 m, 27 June 2019, G. Mereu (FI). – Species new for the flora of Sardegna.

This taxon is recorded for all regions of the Italian peninsula (Bartolucci et al. 2018b) as well as in neighbouring Corsica (Jeanmonod and Gamisans 2013). The identification of the subspecies is based on the description provided by Jeanmonod and Gamisans (2013).

G. Mereu

***Linum radiola* L. (Linaceae)**

+ **PUG:** Brindisi, Posticeddu (WGS84: 40.68999N, 17.84094E), waterlogged soils, 5 m, 6 April 2017, S. Brullo, L. Beccarisi (FI). – Species confirmed for the flora of Puglia.

*Linum radiola* is a paleotemperate species, recorded from the western side of the Italian peninsula (Pignatti et al. 2017). As regards Puglia, there are only old records from Gargano (Rabenhorst 1849; Béguinot 1909; Fenaroli 1970), but since then the species has no longer been confirmed (Bartolucci et al. 2018b). Recently, it was collected in a new locality of southern Puglia along the rocky coast near Posticeddu (Brindisi), outside the eastern boundary of Torre Guaceto State Nature Reserve. In this locality, it is limited to small rocky pools that are submerged until early spring, where it grows together with other hygrophilous microphytes. Based

on field investigations, *L. radiola* is currently represented by a small and discontinuous population, distributed over an area of about 2,000 m<sup>2</sup>. Previously, the flora of this area was studied by Vaccari (1920), but this species is not mentioned in his floristic checklist.

L. Beccarisi, V. Tomaselli, S. Brullo

***Nerium oleander* L. subsp. *oleander* (Apocynaceae)**

+ (CAS) **PIE**: Pallanza (Verbano Cusio Ossola), Corso Europa (SS34), lato S (WGS84: 45.927688N, 8.560491E), 212 m, ciglio stradale, 22 April 2019, *N.M.G. Ardenghi & S. Mossini* (FI). – Casual regional alien species new for the flora of Piemonte.

A single robust individual was collected along a roadside in Pallanza, clearly grown from seeds dispersed by plants cultivated for ornamental purposes. This species has been recorded as a casual alien from most of the northern Italian regions, except Piemonte (Bartolucci et al. 2018b).

N.M.G. Ardenghi, S. Mossini

***Onopordum illyricum* L. subsp. *illyricum* (Asteraceae)**

+ (NAT) **VEN**: Battaglia Terme (Padova), Monte Ceva, Colli Euganei, lungo un sentiero sul versante meridionale arido, sassoso, aprico e solatio (WGS84: 45.308360N, 11.774450E), a c. 160 m s.l.m., 9 June 2019, *C. Tietto* (FI, PAD, *Herb. Tietto Pernumia*). – Naturalized regional alien species new for the flora of Veneto.

This steno-Mediterranean species, which mostly occurs in the central and southern Italian regions, is rare in the northern part of peninsular Italy, with punctiform stands near Firenze and Piombino in Toscana, close to Pesaro in Marche, and near Norcia in Umbria, being common in Lazio, Abruzzo, Molise, Campania, Puglia, Basilicata, Calabria, and Sardegna (Pignatti et al. 2018; Bartolucci et al. 2018b). Concerning northern Italy, there are a few records close to Trieste in Friuli Venezia Giulia, as an alien species probably coming from Istria, where it is more widespread (Poldini 2009; Rottensteiner 2014; Pignatti et al. 2018). *Onopordum illyricum* grows in ruderal communities of warm and xeric habitats close to urban areas, along road margins, near stables, most often in sites with a Mediterranean climate. In the Euganean hills, there is a small, expanding population consisting of about 50 vigorous plants, growing on the stony, sunny and xeric southern slopes of Mt. Ceva. The arrival of this species is likely recent, since it was not mentioned by Masin and Tietto (2005, 2006), who had thoroughly explored the site in previous years. In the same place, the alien *Opuntia stricta* (Haw.) Haw. was reported for the first time in Italy (Tietto and Chiesura Lorenzoni 1999); its population presently extends to almost the entire upper southern slope of the hill, over 40 years after it was introduced.

P.L. Nimis, C. Tietto, R.T. Messa Ballarin, F. Ballarin

***Persicaria lapathifolia* (L.) Delarbre subsp. *lapathifolia* (Polygonaceae)**

+ **CAL**: Scalea (Cosenza), foce del Fiume Lao (WGS84: 39.777440N, 15.802962E), alveo fluviale sassoso e asciutto, 4 m, 20 August 2016, leg. A. Stinca et M. Ravo, det. A. Stinca (FI). – Species new for the flora of Calabria.

*Persicaria lapathifolia* subsp. *lapathifolia* was recorded for many northern, central, and southern Italian regions up to Campania (Bartolucci et al. 2018b).

A. Stinca, A. Esposito

***Phlomis fruticosa* L. (Lamiaceae)**

+ (CAS) **TOS**: Alberese (Grosseto), Versante NW di Poggio Bernarda (WGS 84: 42.665N, 11.103E), grassland dominated by *Asphodelus ramosus*, on limestone, 45 m a.s.l., 9 March 2019, G. Filibeck (FI). – Casual regional alien species new for the flora of Toscana.

This Mediterranean species, typical of cliffs and garrigues (Pirone 1995, Pignatti et al. 2018), is reported as native only for Sicilia, Calabria, Puglia, Abruzzo, and as casual alien for Veneto (Bartolucci et al. 2018b). The population found near Alberese has most probably been introduced, perhaps escaped from gardens. Currently, this species forms a small population in a wooded pasture on a hill near a farmhouse. The individuals were fruiting, but there was no evidence of seed germination. The presence of this species is considered, at the present time, as casual.

G. Filibeck, L. Cancellieri

***Polypogon subspathaceus* Req. (Poaceae)**

+ **LIG**: Genova Quinto in via Marasso (WGS84: 44.3856303N, 9.0225700E), interstizi della pavimentazione di terrazza, 30 m, 29 May 2019, S. Peccenini (FI, GE). – Species new for the flora of Liguria.

This report extends northwards the Tyrrhenian distribution of this species, so far reported only for Emilia-Romagna, Toscana, Lazio, Puglia, Sicilia, and Sardegna (Bartolucci et al. 2018b).

S. Peccenini

***Potamogeton coloratus* Hornem. (Potamogetonaceae)**

– **BAS**. – Species to be excluded from the flora of Basilicata.

In Basilicata, *P. coloratus* was only indicated for “Lago di Pignola” (Potenza Province) by Gavioli (1934, 1947, under the name *P. nodosus* L. var. *colorata* Vahl), and subsequently by Colacino et al. (1990) in a detailed vegetation study of this biotope. In recent years, during the monitoring of aquatic plant communities, *P. coloratus* was never observed, while *P. lucens* L. and *P. nodosus* Poir. were frequently detected. To ascertain the possibility of a regional extinction, we revised the specimens stored in

FI (barcode FI055688) and HLUC (Nos. 12007, 12008). All the specimens formerly attributed to *P. coloratus* showed characters belonging to *P. lucens*, such as the presence of submerged mucronate leaves, a petiole of relatively constant length along the stem and the absence of floating leaves (Wiegleb and Kaplan 1998). We conclude that all the specimens have to be referred to *P. lucens* (already known for this locality). Thus, *P. coloratus* must be excluded from the flora of Basilicata.

L. Rosati, L. Lastrucci, G. Potenza, S. Fascetti

***Securigera securidaca* (L.) Degen & Dörfel. (Fabaceae)**

+ **CAL:** Santa Severina (Crotona), colline alla periferia del centro abitato (WGS84: 39.148707N, 16.912977E), incolti a margine strada, 210 m, 8 May 2019, L. Bernardo, G. Maiorca (FI, CLU No. 26254). – Species confirmed for the flora of Calabria.

This Mediterranean species was generically reported for Calabria by Pignatti (1982). Lacking any further bibliographic record and/or finding, it was then indicated for Calabria as doubtfully occurring by Conti et al. (2005) and, subsequently, as “recorded by mistake” by Bartolucci et al. (2018b).

L. Bernardo, G. Maiorca, N.G. Passalacqua

***Sedum acre* L. (Crassulaceae)**

+ (NAT) **SAR.** – Status change from native to naturalized for the flora of Sardegna.

This species was first reported in Sardegna by Moris (1827), who confused it with *S. alpestre* Vill. and did not report it in following works, then by Corrias and Diana-Corrias (1983). Arrigoni (2015) confirmed its presence on the island based on a herbarium sample collected in Mount Limbara. There, this species is known at least since 1993, and it grows along roadsides, on walls, paths and other disturbed sites from 500 to 1250 m a.s.l.. Recently, it was found also in the State Forest of Fiorentini (Anela, Sassari) and along the Provincial Road SP5, between Aglientu and Vignola (Sassari), growing always in non-natural sites, such as fallow land and roadsides. For this reason, it should be treated as a non-native species, which is naturalized in Sardegna, rather than native, as in Bartolucci et al. (2018b).

G. Bacchetta, G. Calvia, A. Ruggero

***Soleirolia soleirolii* (Req.) Dandy (Urticaceae)**

+ (NAT) **CAL:** Cosenza, Centro storico nel parco comunale “Villa Vecchia” (WGS84: 39.554431N, 16.763299E), rocce umide nei pressi delle fontane, 267 m, 30 May 2019, L. Bernardo, G. Maiorca (FI, CLU). – Naturalized regional alien species new for the flora of Calabria.

In Italy, *Soleirolia soleirolii* is reported as native only for Sardegna and Toscana, but it occurs as naturalized or casual alien in many other regions (Bartolucci et al. 2018b). It was probably introduced in the Villa Vecchia of Cosenza by gardeners at the edges

of fountain basins from where it spread to the humid environments of the municipal park, where it can now be considered naturalized.

L. Bernardo, G. Maiorca, N.G. Passalacqua

***Stachys thirkei* K.Koch. (Lamiaceae)**

+ **MAR:** Fermo, Monte Rosato (WGS84 43.129556N, 13.702611E), prato arido a sud del bosco su substrato argilloso, 88 m, 6 June 2015, *M. Tiburtini* (FI). – Species new for the flora of Marche.

*Stachys thirkei* is an E-Mediterranean species spreading from Italy to Turkey (Euro+Med 2006). In Italy, it is reported in Emilia-Romagna and Abruzzo, whereas in other regions, from Toscana to Sicilia, it is considered as recorded by mistake (Bartolucci et al. 2018b), possibly due to misidentification (Falciani 1997). In addition to the population on Mt. Rosato, a second locality was found 5.3 km away (WGS84 43.085333N, 13.725194E), on an arid roadside. Living plants from both populations are cultivated *ex-situ* in the Botanic Garden of the University of Pisa.

M. Tiburtini, F. Roma-Marzio

***Umbilicus rupestris* (Salisb.) Dandy (Crassulaceae)**

+ **MAR:** Cagli (Pesaro e Urbino), vecchi muri di sostegno tra la SP 29 e la SP 54 (WGS84: 43.544925N, 12.646083E), c. 280 m, 20 June 2015, *L. Gubellini* (FI, PESA). – Species confirmed for the flora of Marche.

This species is recorded in almost all the Italian regions, excluding Val d'Aosta and Friuli Venezia Giulia, and it was considered as misreported for Marche (Bartolucci et al. 2018b), because of confusion with *U. horizontalis* (Guss.) DC. In the detected site, this plant grows among limestones of a retaining wall.

L. Gubellini, N. Hofmann

***Valerianella discoidea* (L.) Loisel. (Valerianaceae)**

+ **LIG:** Pompeiana (Imperia), presso la cappella di San Bernardo, margine di mulattiera in oliveto (WGS84: 43.859167N, 7.891111E), 350 m, 16 May 2015, *S. Peccenini* (FI, GE). – Species confirmed for the flora of Liguria.

*Valerianella discoidea* occurs in all the southern regions of Italy. It has not been recently confirmed for Liguria (Bartolucci et al. 2018b), although it was mentioned in the past (De Notaris 1844; Burnat 1915) and quoted by Pignatti et al. (2018).

S. Peccenini

***Vinca difformis* Pourr. subsp. *difformis* (Apocynaceae)**

– **BAS.** – Species to be excluded from the flora of Basilicata.

In Basilicata, *Vinca difformis* subsp. *difformis* was only indicated by Gavioli (1947) as a very common species in forests and shrublands of the Lucanian Apennines. Despite this, in recent studies the species was never reported (e.g., Aita et al. 1977; Conti et al. 2006; Fascetti et al. 2013; Rosati et al. 2017). In several of the localities indicated by Gavioli (1947) we only detected *V. major* L. subsp. *major*. This must be highlighted since the samples of *V. difformis* by O. Gavioli stored in FI (barcodes FI055689, FI055690) clearly refer to *V. major* subsp. *major*. Similarly, the specimens in HLUC also refer to *V. major* subsp. *major*.

L. Rosati, L. Lastrucci, S. Fascetti

### **Nomenclatural and distribution updates from other literature sources, and corrigenda**

Nomenclatural and distribution updates according to Robson (1993, 1996), Martini et al. (2012), Coulot and Rabaute (2013, 2016), Hilpold et al. (2015), Fraga-Arguimbau (2016), PPG I (2016), Pagitz (2017), Pignatti et al. (2017), Lucchese (2018), Montes-Moreno et al. (2018), Acedo and Llamas (2019), Barberá et al. (2019a, 2019b), Bernardo and Maiorca (2019); Brullo et al. (2019), Buccheri et al. (2019), Carnicero et al. (2019), Conti et al. (2019a, 2019b), Del Guacchio et al. (2019), Di Gristina et al. (2019), Filibeck et al. (2019), Fröhner and Prosser (2019), Gallo (2019), Gonnelli et al. (2019), Gottschlich (2019), Hertel and Presser (2019), Janković et al. (2019), Jiménez-Mejías et al. (2019), Király et al. (2019), La Rosa et al. (2019), Lepší et al. (2019), Llamas and Acedo (2019), López and Devesa (2019), Mascia and Labadessa (2019), Pastore et al. (2019), Peruzzi et al. (2019), Proietti et al. (2019), Prosser and Király (2019), Scafidi and Domina (2019), Sciandrello et al. (2019), Scoppola (2019), Scoppola and Nizzoli (2019), Selvaggi et al. (2019), Sharples and Tripp (2019), Stinca et al. (2019), Zázvorka et al. (2019) and corrigenda to Bartolucci et al. (2018b) are provided in Suppl. material 1.

F. Bartolucci, G. Galasso

### **Acknowledgements**

We gratefully acknowledge colleagues who provided distribution, nomenclatural, and taxonomic advice: Acta Plantarum staff, Alessandro Alessandrini, Enrico Banfi, Maurizio Bovio, Fabio Conti, Piero Cuccuini, Emanuele Del Guacchio, Romeo Di Pietro, Edda Lattanzi, Lorenzo Peruzzi, and Anna Scoppola.

### **References**

- Acedo C, Llamas F (2019) A new species of perennial *Bromus* (Bromeae, Poaceae) from the Iberian Peninsula. *PhytoKeys* 121: 1–12. <https://doi.org/10.3897/phytokeys.121.32588>



- Aita L, Corbetta F, Orsino F (1977) Osservazioni fitosociologiche sulla vegetazione forestale dell'Appennino Lucano centro-settentrionale. 1. Le cerrete. *Archivio Botanico e Biogeografico Italiano* 53: 96–130.
- Amodio-Morelli L, Bonardi G, Colonna V, Dietrich D, Giunta G, Ippolito F, Liguori V, Lorenzoni S, Paglionico A, Perrone V, Piccarreta G, Russo M, Scandone P, Zanettin-Lorenzoni E, Zuppetta A (1976) L'arco Calabro-Peloritano nell'orogene Appenninico-Maghrebide. *Memorie della Società Geologica Italiana* 17: 1–60.
- Arrigoni PV (2015) Flora dell'Isola di Sardegna, Vol. 6. Carlo Delfino Editore, Sassari, 544 pp.
- Barberá P, Quintanar A, Peterson PM, Soreng RJ, Romaschenko K, Aedo C (2019a) New combinations, new names, typifications, and a new section, sect. *Hispanica*, in *Koeleria* (Poeae, Poaceae). *Phytoneuron* 2019(46): 1–13.
- Barberá P, Soreng RJ, Peterson PM, Romaschenko K, Quintanar A, Aedo C (2019b) Molecular phylogenetic analysis resolves *Trisetum* (Poaceae: Pooideae: Koeleriinae) polyphyletic: Evidence for a new genus, *Sibirotrisetum* and resurrection of *Acrospelion*. *Journal of Systematics and Evolution*. <https://doi.org/10.1111/jse.12523> [e-published: 22 Jun 2019]
- Barberis G, Mariotti M (1983) Ricerche floristiche sulle spiagge liguri. *Archivio Botanico e Biogeografico Italiano* 57(1981): 154–170.
- Baumann H, Lorenz R (1988) Beiträge zur Kenntnis der Gattung *Epipactis* Zinn in Mittel- und Süditalien und der Verbreitung einiger in diesem Gebiet spät blühender Orchideen. *Mitteilungsblatt Arbeitskreis Heimische Orchideen Baden-Württemberg* 20(3): 652–694.
- Bartolucci F, Domina G, Ardenghi NMG, Bacchetta G, Bernardo L, Buccomino G, Buono S, Caldararo F, Calvia G, Carruggio F, Cavagna A, D'Amico FS, Di Carlo F, Festi F, Forte L, Galasso G, Gargano D, Gottschlich G, Lazzaro L, Magrini S, Maiorca G, Medagli P, Mei G, Mennini F, Mereu G, Misericocchi D, Olivieri N, Passalacqua NG, Paziienza G, Peruzzi L, Prosser F, Rempicci M, Roma-Marzio F, Ruggero A, Sani A, Saulle D, Stefanini C, Stinca A, Terzi M, Tondi G, Trenchi M, Viciani D, Wagensommer RP, Nepi C (2018a) Notulae to the Italian native vascular flora: 6. *Italian Botanist* 6: 45–64. <https://doi.org/10.3897/italianbotanist.6.30575>
- Bartolucci F, Peruzzi L, Galasso G, Albano A, Alessandrini A, Ardenghi NMG, Astuti G, Bacchetta G, Ballelli S, Banfi E, Barberis G, Bernardo L, Bouvet D, Bovio M, Cecchi L, Di Pietro R, Domina G, Fascetti S, Fenu G, Festi F, Foggi B, Gallo L, Gottschlich G, Gubellini L, Iamónico D, Iberite M, Jiménez-Mejías P, Lattanzi E, Marchetti D, Martinetto E, Masin RR, Medagli P, Passalacqua NG, Peccenini S, Pennesi R, Pierini B, Poldini L, Prosser F, Raimondo FM, Roma-Marzio F, Rosati L, Santangelo A, Scoppola A, Scortegagna S, Selvaggi A, Selvi F, Soldano A, Stinca A, Wagensommer RP, Wilhelm T, Conti F (2018b) An updated checklist of the vascular flora native to Italy. *Plant Biosystems* 152(2): 179–303. <https://doi.org/10.1080/11263504.2017.1419996>
- Béguinot A (1909) Ricordi di una escursione botanica nel versante orientale del Gargano. *Nuovo Giornale Botanico Italiano*, n.s., 16: 97–123.
- Bernardo L, Maiorca G (2019) Note tassonomiche su *Vicia ambigua* (Fabaceae). *Notiziario della Società Botanica Italiana* 3: in press.
- Bernardo L, Peruzzi L, Passalacqua N (Eds) (2011) Flora vascolare della Calabria. *Prodromo*. Vol. 1. *Informatore Botanico Italiano* 43(2): 185–332.

- Bernhardt K-G, Britvec M (2005) The flora of Istria: Juncaceae. *Acta Botanica Croatica* 64(2): 375–382.
- Bertolli A, Prosser F (2006) *Serratula nudicaulis* (L.) DC. (Compositae) e *Bulbocodium vernum* L. (Liliaceae) rinvenuti sul M. Baldo settentrionale (Italia, provincia di Trento). *Webbia* 61(1): 19–30. <https://doi.org/10.1080/00837792.2006.10670791>
- Bertoloni A (1842–1844) *Flora Italica*, Vol. 5. Ex Typographaeo Haeredum Richardi Masii, Bononiae, 656 pp.
- Bianco P (1969) “*Convolvulus sabatius*” Viv., nuova specie per la flora pugliese. *Informatore Botanico Italiano* 1: 72.
- Brullo S, Brullo C, Cambria S, Giusso del Galdo G, Minissale P, Salmeri C, Beccarisi L, Veronico G, Tomaselli V (2019) *Poa jubata* (Poaceae), a rare Balkan species, first record for the Italian flora. *Acta Botanica Croatica* 78(2): 147–154. <https://doi.org/10.2478/bot-cro-2019-0020>
- Buccheri M, Boscutti F, Pellegrini E, Martini F (2019) La flora aliena nel Friuli Venezia Giulia. *Gortania* 40(2018): 7–78.
- Burnat E (1915) *Flore des Alpes maritimes*, Vol. 5. H. Georg, Geneva, Basel, 375 pp.
- Calvia G, Urbani M (2007) Notulae: 1413–1417 In: Conti F, Nepi C, Peruzzi L, Scoppola A (Eds) *Notulae alla checklist della flora vascolare italiana: 4 (1311–1419)*. *Informatore Botanico Italiano* 39(2): 434–435.
- Cantó P (1984) Revisión del género *Serratula* L. (Asteraceae) en la Península Ibérica. *Lazaroa* 6: 7–80.
- Carnicero P, Schönswetter P, Garcia-Jacas N, Galbany-Casals M (2019) Is there a need for accepting paraphyletic taxa? A case study in the Sardinian endemic *Cymbalaria muelleri* (Plantaginaceae). *Botanical Journal of the Linnean Society* 191(3): 325–338. <https://doi.org/10.1093/botlinnean/boz052>
- Cavara F, Grande L (1913) Esplorazioni botaniche in Basilicata. *Bullettino dell’Orto Botanico della Regia Università di Napoli* 3: 353–451.
- Colacino C, Fascetti S, De Marco G (1990) Vegetazione a elofite e idrofite radicate del Lago Pantano di Pignola (Pz). *Professione Agricoltore* 3–4: 5–11.
- Conti F, Abbate G, Alessandrini A, Blasi C (2005) *An Annotated Checklist of the Italian Vascular Flora*. Palombi Editori, Roma, 420 pp.
- Conti F, Angiolini C, Bernardo L, Costalonga S, Di Pietro R, Fascetti S, Giardina G, Giovi E, Gubellini L, Lattanzi E, Lavezzo P, Peccenini S, Salerno G, Scoppola A, Tinti D, Turrisi R (2006) Contributo alla conoscenza floristica della Basilicata: resoconto dell’escursione del gruppo di floristica (S.B.I.) nel 2003. *Informatore Botanico Italiano* 38(2): 383–409.
- Conti F, Ciaschetti G, Di Martino L, Bartolucci F (2019a) An annotated checklist of the vascular flora of Majella National Park (Central Italy). *Phytotaxa* 412(1): 1–90. <https://doi.org/10.11646/phytotaxa.412.1.1>
- Conti F, Proietti E, Ogwu MC, Gubellini L, Bartolucci F (2019b) Re-evaluation of *Senecio apenninus* (Asteraceae, Senecioneae). *Willdenowia* 49(3): 329–341. <https://doi.org/10.3372/wi.49.49304>
- Corrias B, Diana-Corrias S (1983) Piante rare in Sardegna. Considerazioni fitogeografiche e problemi connessi con la loro salvaguardia. *Lavori della Società Italiana di Biogeografia, nuova serie* 8: 199–211. <https://doi.org/10.21426/B68110153>

- Coulot P, Rabaute P (2013) Monographie des Leguminosae de France. Tome 3. Tribù des Trifolieae Société Botanique du Centre-Ouest, Jarnac, 760 pp.
- Coulot P, Rabaute P (2016) Monographie des Leguminosae de France. Tome 4. Tribù des Fabae, des Cicereae et des Genisteae. Société Botanique du Centre-Ouest, Jarnac, 902 pp.
- Del Guacchio E, Cennamo P, Caputo P (2019) Sulla presenza di *Centaurea aeolica* e *C. aplolepa* (Asteraceae) in Campania. Notiziario della Società Botanica Italiana 3: in press.
- De Notaris G (1844) Repertorium florum ligusticae. Ex Regia Typographia, Taurini, 495 pp. <https://doi.org/10.5962/bhl.title.6657>
- Dentant C, Lavergne S, Malécot S (2018) Taxonomic revision of West-Alpine cushion plant species belonging to *Androsace* subsect. *Aretia*. Botany Letters 165: 3–4, 337–351. <https://doi.org/10.1080/23818107.2018.1450784>
- Di Gristina E, Domina G, Gottschlich G, Maturo F, Scafidi F (2019) *Hieracium racemosum* subsp. *lucanum* (Asteraceae), a new hawkweed from southern Italy. Phytotaxa 425(5): 297–300. <https://doi.org/10.11646/phytotaxa.425.5.5>
- Euro+Med (2006 onwards) Euro+Med PlantBase – the information resource for Euro-Mediterranean plant diversity. Published on the Internet <http://ww2.bgbm.org/EuroPlusMed/> [accessed 27.07.2019]
- Falciani L (1997) Systematic revision of *Stachys* sect. *Eriostomum* (Hoffmans. & Link) Dumort. in Italy. Lagasalia 19(1–2): 187–238.
- Fascetti S, Pirone G, Rosati L (2013) The vegetation of the Maddalena Mountains (Southern Italy). Plant Sociology 50(2): 5–37.
- Fenaroli L (1970) Florae Garganicae Prodromus. Pars Altera. Webbia 24(2): 435–578. <https://doi.org/10.1080/00837792.1970.10669916>
- Filibeck G, Cancellieri L, Bartolucci F, Becker U, Conti F, Maestri S, Mürz M, Schommer E, Sperandii MG, Becker T (2019) *Festuca valesiaca* Schleich. ex Gaudin newly discovered in the Central Apennines (Italy): a further example of steppe relict in the Abruzzo “dry valleys”. Plant Biosystems. <https://doi.org/10.1080/11263504.2019.1651784> [e-published: 16 Sep 2019]
- Fraga-Arguimbau P (2016) Notes i contribucions al coneixement de la flora de Menorca (XI). L’herbari d’Agustí Landino Flores (1875–1950), una contribució inèdita a la flora de Menorca. Boletín de la Societat d’Historia Natural de les Balears 58(2015): 45–90.
- Fröhner SE, Prosser F (2019) Una nuova specie di *Alchemilla* (Rosaceae) dall’Altopiano di Folgaria, Lavarone e Luserna (Trentino meridionale). Annali dei Musei Civici-Rovereto. Sezione Archeologia, Storia, Scienze Naturali 34(2018): 89–105.
- Galasso G, Domina G, Andreatta S, Angiolini C, Ardenghi NMG, Aristarchi C, Arnoul M, Azzella MM, Bacchetta G, Bartolucci F, Bodino S, Bommartini G, Bonari G, Buono S, Buono V, Caldarella O, Calvia G, Corti E, D’Antraccoli M, De Luca R, De Mattia F, Di Natale S, Di Turi A, Esposito A, Ferretti G, Fiaschi T, Fogu MC, Forte L, Frigerio J, Gubellini L, Guzzetti L, Hofmann N, Laface VLA, Laghetti G, Lallai A, La Rosa A, Lazzaro L, Lodetti S, Lonati M, Luchino F, Magrini S, Mainetti A, Marignani M, Maruca G, Medagli P, Mei G, Menini F, Mezzasalma V, Misuri A, Mossini S, Mugnai M, Musarella CM, Nota G, Olivieri N, Padula A, Pascale M, Pasquini F, Peruzzi L, Picella G, Pinzani L, Pirani S, Pittarello M, Podda L, Ravetto Enri S, Rifici CD, Roma-Marzio F, Romano R, Rosati L,

- Scafidi F, Scarici E, Scarici M, Spampinato G, Stinca A, Wagensommer RP, Zanoni G, Nepi C (2019) Notulae to the Italian alien vascular flora: 8. Italian Botanist 8: 63–93. <https://doi.org/10.3897/italianbotanist.8.48621>
- Gallo L (2019) Crassulaceae italiane. Aggiornamenti e correzioni alla seconda edizione della Flora d'Italia di Sandro Pignatti e al Portale della Flora d'Italia. Annali dei Musei Civici-Rovereto. Sezione Archeologia, Storia, Scienze Naturali 34(2018): 143–167.
- Gavioli O (1934) Limiti altimetrici di alcune formazioni vegetali in alcuni gruppi montuosi dell'Appennino Lucano. Nuovo Giornale Botanico Italiano 41(3): 558–673. <https://doi.org/10.1080/11263503409437329>
- Gavioli O (1947) Synopsis Florae Lucanae. Nuovo Giornale Botanico Italiano 54: 10–272. <https://doi.org/10.1080/11263504709440996>
- Gonelli V, Gottschlich G, Zoccola A (2019) *Hieracium racemosum* subsp. *amideii* (Asteraceae), a new hawkweed taxon from Montecristo island (Tuscan archipelago, Italy). Phytotaxa 406(5): 294–300. <https://doi.org/10.11646/phytotaxa.406.5.5>
- Gottschlich G (2019) Taxonomische und nomenklatorische Änderungen in der Gattung *Hieracium* für die Neuauflage der Exkursionsflora für Österreich und die gesamten Ostalpen. *Neilrechia* 10: 53–68.
- Haccard DC, Lorenz C, Grandjacquet C (1972) Essai sur l'évolution tectogénétique de la liaison Alpes-Appennines (de la Ligurie a la Calabre). *Memorie della Società Geologica Italiana* 11: 309–341.
- Hertel S, Presser H (2019) Weitere Erkenntnisse zur Vielfalt der *Epipactis*-Arten im südlichen Italien. *Berichte aus den Arbeitskreisen Heimische Orchideen* 36(1): 5–61.
- Hilpold A, López-Alvarado J, Garcia-Jacas N, Farris E (2015) On the identity of a *Centaurea* population on Procida island, Italy: *Centaurea corensis* rediscovered. *Plant Biosystems* 149(6): 1025–1035. <https://doi.org/10.1080/11263504.2014.983578>
- Hultén E, Fries M (1986) Atlas of North European Vascular Plants. Koeltz, Königstein.
- Iocchi M, Bartolucci F, Carotenuto L, Valfré D, Cutini M, Theurillat JP (2010) Note floristiche per la Riserva Naturale Regionale delle “Montagne della Duchessa” (Lazio nord-orientale). *Informatore Botanico Italiano* 41(2): 503–508.
- Janković I, Satovic Z, Liber Z, Kuzmanović N, Di Pietro R, Radosavljević I, Nikolov Z, Lakušić D. (2019) Genetic and morphological data reveal new insights into the taxonomy of *Campanula versicolor* s.l. (Campanulaceae). *Taxon* 68(2): 340–369. <https://doi.org/10.1002/tax.12050>
- Jeanmonod D, Gamisans J (2013) Flora Corsica, 2<sup>nd</sup> Edition. *Bulletin de la Société Botanique du Centre-Ouest*, numéro spécial 39: 1–1072.
- Jiménez-Mejías P, Martinetto E, Soldano A, Dorr LJ (2019) The problematic history of the name *Carex elata* All. (Cyperaceae) and its neotypification. *Taxon*. <https://doi.org/10.1002/tax.12088> [e-published: 30 Jul 2019]
- Király G, Trávníček B, Žíla V (2019) Taxonomic revision of *Rubus* ser. *Sylvatici* in the Pannonian Basin and adjacent regions. *Preslia* 91: 231–255. <https://doi.org/10.23855/preslia.2019.231>
- Kirschner J, Balslev H, Češka A, Swab JC, Edgar E, Garcia-Herran K, Kaplan Z, Novara LJ, Novikov VS, Wilton A (2002) Juncaceae 1: *Rostkovia* to *Luzula*. *Species Plantarum: Flora of the world, Part 6*, Australian Biological Resources Study, Canberra, 237 pp.

- La Rosa A, Cambria S, Brullo S (2019) Considerazioni tassonomiche sulle popolazioni sicule di *Trifolium isthmocarpum* (Fabaceae). *Notiziario della Società Botanica Italiana* 3: in press.
- Lastrucci L, Cecchi L, Viciani D (2018) Typification of *Eleocharis palustris* (L.) Roem. & Schult. var. *reptans* Parl. *Phytotaxa* 75(3): 243–245. <https://doi.org/10.11646/phytotaxa.375.3.7>
- Lattanzi E (2008) The distribution of three species of the genus *Calicotome* in Italy. *Flora Mediterranea* 18: 123–125.
- Lepší M, Lepší P, Koutecký P, Lučanová M, Koutecká E, Kaplan Z (2019) *Stellaria ruderalis*, a new species in the *Stellaria media* group from central Europe. *Preslia* 91: 391–420. <https://doi.org/10.23855/preslia.2019.391>
- Llamas F, Acedo C (2019) Typification of eight current and seven related names and a new section in the genus *Bromus* (Bromeae, Pooideae, Poaceae). *PhytoKeys* 121: 53–72. <https://doi.org/10.3897/phytokeys.121.30254>
- López J, Devesa JA (2019) *Glyceria spicata* subsp. *onubensis* (Gramineae), nuevo taxón para la flora ibérica. *Acta Botanica Malacitana* 44. <https://doi.org/10.24310/abm.v44i0.6803>
- Lucchese F (2018) Atlante della Flora Vascolare del Lazio, cartografia, ecologia e biogeografia. Vol. 2. La flora di maggiore interesse conservazionistico. Regione Lazio, Direzione Capitale Naturale, Parchi e Aree Protette, Roma, 400 pp.
- Marchiori S, Medagli P, Sabato S, Ruggiero L (1993) Remarques chorologiques sur quelques taxa nouveaux ou rares dans le Salento (Pouilles, Italie). *Informatore Botanico Italiano* 25: 37–45.
- Martini F, Bona E, Federici G, Fenaroli F, Perico G (2012) Flora vascolare della Lombardia centro-orientale, Vol. 1. Lint Editoriale, Trieste, 604 pp.
- Mascia G, Labadessa R (2019) La presenza in Puglia di *Ophrys fusca* subsp. *calocaerina*. *Orchidee Spontanee d'Europa – Rivista semestrale del GIROS* 62(1): 36–40.
- Masin R, Tietto C (2005) Flora dei Colli Euganei e della pianura limitrofa. SAPI, Padova, 120 pp.
- Masin R, Tietto C (2006) Flora vascolare della Provincia di Padova (Italia Nord-orientale). *Natura Vicentina* 9(2005): 7–103.
- Montes-Moreno N, Garcia-Jacas N, Nualart N, Susanna A, Sáez L (2018) Typification of plant names referable to *Phagnalon* (Compositae) with some taxonomic notes. *Phytotaxa* 360(1): 1–18. <https://doi.org/10.11646/phytotaxa.360.1.1>
- Moris GG (1827) *Stirpium Sardoarum Elenchus* 1. Ex Typis Regiis, Carali, 55 pp.
- Pagitz K (2017) *Rubus* L. In: Pignatti S, Guarino R, La Rosa M (Eds) *Flora d'Italia*, seconda edizione, Vol. 2. Edagricole, Milano, 705–719.
- Pascale M (2009) *Klasea nudicaulis* (L.) Fourr. (Asteraceae) In: Selvaggi A, Soldano A, Pascale M, Pascal R (Eds) *Note floristiche piemontesi* n. 176–245. *Rivista piemontese di Storia Naturale* 30: 313–340.
- Passalacqua NG, Peruzzi L, Pellegrino G (2008) Biosystematic study of the *Jacobaea maritima* group (Asteraceae, Senecioneae) in the central Mediterranean area. *Taxon* 57(3): 893–906. <https://doi.org/10.1002/tax.573018>
- Pastore JFB, Abbott JR, Neubig KM, Van den Berg C, De Almeida Mota MC, Cabral A, Whitten WM (2019) Phylogeny and biogeography of *Polygala* (Polygalaceae). *Taxon*. <https://doi.org/10.1002/tax.12119> [e-published: 14 Nov 2019]
- Perrino EV, Wagensommer RP, Silletti GN, Signorile G, Angiulli F (2013) Nuovi dati distributivi e relazione con la Direttiva 92/43/CEE di taxa critici pugliesi dalla Provincia di Bari. *Informatore Botanico Italiano* 45: 53–62.

- Peruzzi L, Conti F, Bartolucci F (2014) An inventory of vascular plants endemic to Italy. *Phytotaxa* 168(1): 1–75. <https://doi.org/10.11646/phytotaxa.168.1.1>
- Peruzzi L, Passalacqua NG, Jarvis CE (2006) Typification of the accepted names in the *Jacobaea maritima* group (Asteraceae). *Taxon* 55: 1001–1004. <https://doi.org/10.2307/25065696>
- Peruzzi L, Domina G, Bartolucci F, Galasso G, Peccenini S, Raimondo FM, Albano A, Alessandrini A, Banfi E, Barberis G, Bernardo L, Bovio M, Brullo S, Brundu G, Brunu A, Camarda I, Carta L, Conti F, Croce A, Iamonico D, Iberite M, Iiriti G, Longo D, Marsili S, Medagli P, Pistarino A, Salmeri C, Santangelo A, Scassellati E, Selvi F, Soldano A, Stinca A, Villani M, Wagensommer RP, Passalacqua NG (2015) An inventory of the names of vascular plants endemic to Italy, their loci classici and types. *Phytotaxa* 196(1): 1–217. <https://doi.org/10.11646/phytotaxa.196.1.1>
- Peruzzi L, Galasso G, Domina G, Bartolucci F, Santangelo A, Alessandrini A, Astuti G, D'Antraccoli M, Roma-Marzio F, Ardenghi NMG, Barberis G, Conti F, Bernard L, Peccenini S, Stinca A, Wagensommer RP, Bonari G, Iamonico D, Iberite M, Viciani D, Del Guacchio E, Giusso del Galdo G, Lastrucci L, Villani M, Brunu A, Magrini S, Pistarino A, Brullo S, Salmeri C, Brundu G, Clementi M, Carli E, Vacca G, Marcucci R, Banfi E, Longo D, Di Pietro R, Passalacqua NG (2019) An inventory of the names of native, non-endemic vascular plants described from Italy, their loci classici and types. *Phytotaxa* 410(1): 1–215. <https://doi.org/10.11646/phytotaxa.410.1.1>
- Pignatti S (1982) *Flora d'Italia*, Vols. 1–3. Edagricole, Bologna.
- Pignatti S, Guarino R, La Rosa M (Eds) (2017) *Flora d'Italia*, seconda edizione, Vols. 1–2. Edagricole, Milano.
- Pignatti S, Guarino R, La Rosa M (Eds) (2018) *Flora d'Italia*, seconda edizione, Vol. 3. Edagricole, Milano.
- Pirone G (1995) Una nuova associazione vegetale di gariga a *Phlomis fruticosa* L. nella Marsica (Abruzzo, Italia). *Micologia e vegetazione mediterranea* 10: 147–158.
- Poldini L (2009) *La diversità vegetale del Carso tra Trieste e Gorizia* Ed. Goliardiche, Trieste, 732 pp.
- PPG I (2016) A community-derived classification for extant lycophytes and ferns. *Journal of Systematics and Evolution* 54: 563–603. <https://doi.org/10.1111/jse.12229>
- Proietti E, Bartolucci F, Ogwu MC, Gubellini L, Conti F (2019) Rivalutazione di *Senecio apenninus* (Asteraceae). *Notiziario della Società Botanica Italiana* 3: in press.
- Prosser F, Király G (2019) Extending the range of *Rubus* ser. *Micantes* (Rosaceae) southward: *Rubus vallis-cembrae*, a unique new species from Italy. *Willdenowia* 49(2): 167–175. <https://doi.org/10.3372/wi.49.49205>
- Rabenhorst L (1849) Vorläufiger botanischer Bericht über meine Reise durch die östlichen und südlichen Provinzen Italiens im Jahre 1847. Fortsetzung. *Flora*, n.s., 28: 434–444.
- Robson NKB (1993) *Studies in Hypericum: validation of new names*. *Bulletin of the Natural History Museum, London, Botany series* 23: 67–70.
- Robson NKB (1996) *Studies in the genus Hypericum L. (Guttiferae)* 6. Sections 20. Myriandra to 28. Elodes. *Bulletin of the Natural History Museum, Botany series* 26: 75–217.
- Rosati L, Romano V, Bartolucci F, Bernardo L, Bouvet D, Cancellieri L, Caruso G, Conti F, Faraoni F, Banfi E, Galasso G, Lattanzi E, Lavezzo P, Peccenini S, Perrino EV, Salerno G,



- Sciandra A, Soldano A, Stinca A, Totta C, Fascetti S (2017) Contribution to the floristic knowledge of the Maddalena Mountains (Basilicata and Campania, southern Italy). *Italian Botanist* 3: 73–82. <https://doi.org/10.3897/italianbotanist.3.12519>
- Rottensteiner W (2014) *Exkursionsflora für Istrien*. Naturwissenschaftlichen Verein für Kärnten, Innsbrück, 1013 pp.
- Scafidi F, Domina G (2019) Typification of the name *Lavatera agrigentina* (Malvaceae). *Phytotaxa* 422(3): 298–300. <https://doi.org/10.11646/phytotaxa.422.3.10>
- Schnittler M, Gunther KF (1999) Central European vascular plants requiring priority conservation measures - an analysis from national Red Lists and distribution maps. *Biodiversity and Conservation* 8: 891–925. <https://doi.org/10.1023/A:1008828704456>
- Sciandrello S, Giusso Del Galdo G, Salmeri C, Minissale P (2019) *Vicia brulloi* (Fabaceae), a new species from Sicily. *Phytotaxa* 418(1): 57–78. <https://doi.org/10.11646/phytotaxa.418.1.3>
- Scoppola A (2019) An annotated key to the species of *Gastridium* (Poaceae) with distributional novelties to the Italian territory. *Natural History Sciences* 6(2): 29–36. <https://doi.org/10.4081/nhs.2019.429>
- Scoppola A, Nizzoli (2019). Towards a better understanding of the identity and occurrence in Italy of *Trifolium yanninicum* (*T. subterraneum* complex, Fabaceae). *Notiziario della Società Botanica Italiana* 3: in press.
- Selvaggi A, Soldano A, Pascale M, Dellavedova R (Eds) (2019) Note floristiche piemontesi n. 900–950. *Rivista piemontese di Storia naturale* 40: 425–452.
- Sharples MT, Tripp EA (2019) Phylogenetic Relationships within and Delimitation of the Cosmopolitan Flowering Plant Genus *Stellaria* L. (Caryophyllaceae): Core Stars and Fallen Stars. *Systematic Botany* 44(4): 857–87. <https://doi.org/10.1600/036364419X15710776741440>
- Spampinato G, Sciandrello S, del Galdo G, Puglisi M, Tomaselli V, Cannavò S, Musarella CM (2019) Contribution to the knowledge of Mediterranean wetland biodiversity: Plant communities of the Aquila Lake (Calabria, Southern Italy). *Plant Sociology* 56(2): 53–68. <https://doi.org/10.7338/pls2019562/04>
- Staffeu FA, Cowan RS (1983) *Taxonomic literature*, Ed. 2, Vol. 4. Bohn, Scheltema & Holkema, Utrecht, 1214 pp. <https://doi.org/10.5962/bhl.title.48631>
- Stinca A, Chianese G, D'Auria G, Fascetti S, Ravo M, Romano VA, Salerno G, Astuti G, Bartolucci F, Bernardo L, Bonari G, Bouvet D, Cancellieri L, Carli E, Caruso G, Catalano I, Cennamo GD, Ciaschetti G, Conti F, Di Pietro R, Fortini P, Gangale C, Lapenna MR, Lattanzi E, Marcucci R, Peccenini S, Pennesi R, Perrino EV, Peruzzi L, Roma-Marzio F, Scoppola A, Tilia A, Villani M, Rosati L (2019) Contribution to the floristic knowledge of eastern Irpinia and Vulture-Melfese area (Campania and Basilicata, southern Italy). *Italian Botanist* 8: 1–16. <https://doi.org/10.3897/italianbotanist.8.37818>
- Strandhede S-O (1966) Morphologic variation and taxonomy in European *Eleocharis*, subser. *Palustres*. *Opera Botanica* 10(2): 1–187.
- Tenore M (1831) *Sylloge plantarum vascularium Florae Neapolitanae hucusque detectarum*. Ex typographia Fibreni, Napoli, 556 pp.
- Terracciano N (1891) *Synopsis plantarum vascularium montis Pollini*. *Annuario del Regio Istituto Botanico di Roma* 4: 1–191. <https://doi.org/10.5962/bhl.title.10001>

- Tietto C, Chiesa Lorenzoni F (1999) Segnalazioni floristiche italiane, n. 926: *Opuntia stricta* (Haw) Haw. *Informatore Botanico Italiano* 31(1–3): 78.
- Tomaselli M, Bernardo L, Passalacqua NG (2003) The vegetation of the *Ranunculo-Nardion* in the Southern Apennines (S-Italy). *Phyton* (Horn) 43(1): 39–58.
- Turland NJ, Wiersema JH, Barrie FR, Greuter W, Hawksworth DL, Herendeen PS, Knapp S, Kusber W-H, Li D-Z, Marhold K, May TW, McNeill J, Monro AM, Prado J, Price MJ, Smith GF (Eds) (2018) International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code) adopted by the Nineteenth International Botanical Congress Shenzhen, China, July 2017. *Regnum Vegetabile* 159: 1–254. <https://doi.org/10.12705/Code.2018>
- Vaccari A (1920) Piante dell'agro Brindisino. In: Fiori A (Eds) *Addenda ad Floram Italicam*. *Bolletino della Società Botanica Italiana* 1920: 8–10.
- Wiegleb G, Kaplan Z (1998) An account of the species of *Potamogeton* L. (Potamogetonaceae). *Folia Geobotanica* 33(3): 241–316. <https://doi.org/10.1007/BF03216205>
- Zázvorka J, Sánchez Pedraja O, Moreno Moral G, Carlón Ruiz L, Domina G, Láinz Gallo M, Piwowarczyk R (2019) *Orobanche centaurina* Bertol. the correct name for *O. kochii* F.W. Schultz (Orobanchaceae). *Flora Montiberica* 75: 52–56.

## Supplementary material I

### Supplementary data

Authors: Fabrizio Bartolucci, Gabriele Galasso

Data type: species data

Explanation note: **1.** Nomenclatural updates **2.** Distribution updates **3.** Synonyms, misapplied or included names **4.** Notes to Notulae to the Italian native vascular flora: 6 (Bartolucci et al. 2018a).

Copyright notice: This dataset is made available under the Open Database License (<http://opendatacommons.org/licenses/odbl/1.0/>). The Open Database License (ODbL) is a license agreement intended to allow users to freely share, modify, and use this Dataset while maintaining this same freedom for others, provided that the original source and author(s) are credited.

Link: <https://doi.org/10.3897/italianbotanist.8.48626.suppl1>