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EDICIONES COMPLUTENSE

Validation of syntaxon names and lectotypifications for some Italian vegetation types

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Abstract. Based on the results of previous phytosociological works, one concerning the Tuscan *Quercus petraea* forests, another one concerning Apennine communities belonging to *Mulgedio-Aconitetea*, and the changes provided in the 4th edition of the International Code of Phytosociological Nomenclature, four association names are here validated and the lectotype of *Senecionion samniti* alliance here designated.

Keywords: ICPN, Italian forests, Megaforb communities, *Quercus petraea*, Phytosociological Nomenclature, Syntaxonomy, Vegetation

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Introduction

Two phytosociological studies, one concerning the *Quercus petraea* woods of Tuscany (Viciani *et al*., 2018), another one concerning communities belonging to *Mulgedio-Aconitetea* (Viciani *et al*., 2019), have been recently published in the first issues of the on-line journal Mediterranean Botany. The works were based on the 3rd edition of the International Code of Phytosociological Nomenclature (Weber *et al*., 2000), and on the version approved by the Working Group on Phytosociological Nomenclature of the International Association of Vegetation Science (IAVS), available at that time. That version was subsequently published as the official 4th edition of the International Code of Phytosociological Nomenclature (ICPN, Theurillat *et al*., 2021). Compared to the 3rd edition (Weber *et al*., 2000), the 4th edition of ICPN includes some novelties, among these also the rule providing that the syntaxon names published in on-line electronic material bearing an ISSN or an ISBN or a Digital Object Identifier (DOI) are considered to be effectively published. However, it was established that this rule (Art. 1) came into effect only from 1 January 2021. For this reason, a syntaxon name only published as online material before that date is to be considered as a "nomen ineditum" even if it bears a DOI.

By virtue of this rule, the syntaxonomic novelties and lectotypifications reported in the articles by Viciani *et al*. (2018, 2019) were ineffectively published and are here validated.

Comprehensive discussion on the nomenclatural reasons leading to such decisions are omitted since these were already provided in Viciani *et al*. (2018, 2019).

As concerns the floristic nomenclature, we followed Conti *et al*. (2005).

Validation of the new associations

Corno maris-Quercetum petraeae Viciani, Gabellini, Gennai, Foggi et Lastrucci *ass. nova*
Holotypus: rel. 1, Table 1.

Allio pendulini-Quercetum petraeae Viciani, Gabellini, Gennai, Foggi et Lastrucci *ass. nova*
Holotypus: rel. 2, Table 1.

Junipero oxycedri-Quercetum petraeae Viciani, Gabellini, Gennai, Foggi et Lastrucci *ass. nova*
Holotypus: rel. 3, Table 1.

Laserpitio latifolii-Cirsietum alpis-lunae Viciani, Lazzaro, Gonnelli et Lastrucci *ass. nova*
Holotypus: Characteristic and differential species: *Cirsium alpis-lunae* 5, *Laserpitium latifolium* 1; other species: *Adenostyles australis* 1, *Fraxinus excelsior* 1, *Acer pseudoplatanus* 1, *Geranium nodosum* 1, *Centaurea montana* 1, *Brachypodium genuense* 1, *Clematis vitalba* 1, *Equisetum arvense* 1, *Rubus hirtus* 1, *Linum viscosum* r, *Aegopodium podagraria* +, *Thalictrum aquilegiifolium* +, *Campanula trachelium* +, *Salvia glutinosa* +. This relevé corresponds to rel. 5, Table 1, Viciani et al. 2019.

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Lectotypification of Alliance

Senecionion samniti Bonin 1978 - Lectotypus hoc loco designated: "*Blysmus compressus* and *Juncus depauperatus* association", Table 3 in Bonin (1972) [= *Blysmo-Juncetum depauperatae* Bonin (1978), *nom. superfl.*].

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Table 1. Holotypus of validated associations; see text for explanations.

Relevé N.	1	2	3
Differentials of *Corno maris-Quercetum petraeae*			
Cornus mas	1	+	.
Ostrya carpinifolia	2	.	.
Pyrus pyraster	2	.	.
Acer monspessulanum	2	.	.
Daphne laureola	+	.	.
Luzula forsteri	r	.	.
Pyracantha coccinea	+	.	.
Melampyrum italicum	+	.	.
Differentials of *Allio pendulini-Quercetum petraeae*			
Laurus nobilis	.	+	2
Vinca minor	.	3	.
Allium pendulinum	.	1	.
Acer campestre	.	1	.
Asplenium onopteris	.	1	.
Pulmonaria pycta	.	+	.
Melica uniflora	.	+	.
Differentials of *Junipero oxycedri-Quercetum petraeae*			
Phillyrea latifolia	.	.	2
Juniperus oxycedrus subsp. *oxycedrus*	.	.	1
Smilax aspera	.	.	+
Cyclamen repandum	.	.	+
Dominant species			
Quercus petraea	3	4	5
Fraxinus ornus	2	3	2
Quercus ilex	1	+	3
Quercus cerris	3	.	.
Other species			
Physospermum cornubiense	1	2	+
Cyclamen hederifolium	1	+	1
Rubia peregrina	+	1	+
Melittis melissophyllum	+	+	r
Ruscus aculeatus	.	1	3
Hedera helix	2	1	.
Arbutus unedo	.	+	1
Erica arborea	.	+	1
Tamus communis	.	+	1
Rubus ulmifolius	.	+	+
Hieracium murorum	.	+	r
Sorbus torminalis	+	.	1
Brachypodium sylvaticum	+	.	+
Lonicera etrusca	+	1	.
Festuca heterophylla	1	+	.
Emerus major subsp. *major*	+	+	.
Solidago virgaurea	+	+	.

Other species: *Viola alba* subsp. *dehnhardtii* + in 3; *Anemone apennina* 3, *Laburnum anagyroides* 2, *Castanea sativa* and *Lathyrus venetus* 1, *Asparagus acutifolius*, *Cytisus scoparius*, *Dactylorhiza maculata* subsp. *fuchsii*, *Lathyrus niger*, *Prunus avium* and *Viburnum tinus* + in 2; *Crataegus monogyna* 2, *Sorbus domestica* 1, *Anemone nemorosa*, *Carex digitata*, *Cruciata glabra*, *Ilex aquifolium*, *Lathyrus linifolius*, *Poa nemoralis*, *Stachys officinalis* and *Viola reichenbachiana* +, *Primula vulgaris* and *Symphytum tuberosum* r in 3. All relevés correspond to Viciani et al. 2018. 1: rel. 5, Table 2; 2: rel. 2, Table 3; 3: rel. 3, Table 4.