

## Two new alien *Cotoneaster* species naturalized in Hungary

Két új elvadult *Cotoneaster*-faj Magyarországon

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During revision of the genus *Cotoneaster* in BP, two alien species not registered so far in the Hungarian flora (BALOGH et al. 2004), *C. lucidus* and *C. zabelii* were detected. New subsynchronous occurrences of *C. zabelii* in Budapest and its surroundings were also discovered. The new records are documented by the following vouchers.

*Cotoneaster lucidus* Schlecht. – Pilis-Visegrád Mts: Pest megye; Visegrád: Fekete-hegy; cserjés szélén”, BARINA & PIFKÓ, 11.VIII.2005 (as *C. niger*, rev.: Sennikov, 2010) (BP 694236).

Remarks – According to some specimens in BP, this taxon sometimes appears in cultivation, mainly in parks and botanical gardens („Budapest, Városliget”, Simonkai, 1897 and 1908; Vácrátót, subsynchronous”, Péntes, 1955 (det.: Sennikov, 2010); „Vácrátót”, CSAPODY, 1965 and 1968 (as *C. melanocarpa*, rev.: Sennikov, 2010). Some taxonomists (e.g. DICKORÉ & KASPEREK 2010) accepted *C. acutifolius* Turcz. as the oldest name referable to this taxon, however, its application is disputable, due to existing obscurity concerning its taxonomic identity.

*Cotoneaster zabelii* C.K. Schneider – Pilis-Visegrád Mts: „in declivibus montis Nagy-Villám pr. pag. Visegrád”, Hegedüs, 28.VI.1984 (as *C. tomentosus*, rev.: Somlyay, 2010) (BP 600542); „in montibus ad pag. Visegrád”, Hegedüs, 16.VI.1987 (as *C. tomentosus*, rev.: Somlyay, 2010) (BP 600933); „Visegrád: a Nagy-Villám ÉNy-i oldalán”, Somlyay, 3.VII.2010 (BP707037) – Buda Mts: Budakeszi, near „Nagyszénászug”, Somlyay, 19.IV.2011 (BP 711246); Budapest (district II.), Mt Ferenc, Somlyay, 27.IV.2011 (BP711240); Budapest (district II.), „Balogh Ádám” cliff, Somlyay, 27.IV.2011 (BP 711239); Budapest (district III.), Mt Mátyás, Somlyay, 3.V.2008 (BP 711232); loc. cit., Somlyay, 26.V.2010 (BP 707032, BP 707033); loc. cit., Somlyay, 22.IX.2010 (BP 707031); Budapest (district XII.), „Diós-árok”, Somlyay, 21.VI.2011 (BP711238).

Remarks – *Cotoneaster zabelii* is a relatively frequent ornamental plant in Buda [e.g. Mt Vár (Castle Hill), Mt Gellért, Mt Sas], often escaping from cultivation. Hegedüs's specimens collected in the 80s were erroneously published as „*C. tomentosus*” by SIMON (1992, 2000). The occurrence of *C. tomentosus* in the Visegrád Mts was already questioned by BÖLÖNI (1999: 225). Checking the locality in 2010, both (presumably) cultivated and escaped individuals of *C. zabelii* were found on Mt Nagy-Villám. The sheet BP 707037 represents a specimen collected in a natural, mosaic-like vegetation composed of andesitic rocky grassland and shrub-forest dominated by *Fraxinus ornus* and *Quercus petraea*. In the Buda Mts *C. zabelii* was mostly collected in typical or fragmentary *Orno-Quercetum* and *Cotino-Quercetum*, however, in some cases it was impossible to ascertain whether the collected plant was planted or escaped. The specimen collected by Papp in „Kelenföld” (a lowland region within Budapest) in 1948, and labelled as *C. tomentosus*, belongs to *C. zabelii* (rev.: SOMLYAY, 2010) (cf. BÖLÖNI 1999: 224).

### References

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