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New Hybrids of *Verbascum* (Scrophulariaceae) From Turkey

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Abstract: Two new hybrids of *Verbascum* (Scrophulariaceae) are described. *Verbascum x obtusifoliiforme* nothosp. nova (*V. obtusifolium* Hub.-Mor. x *V. sinuatum* L.) from Içel province (C4) and *Verbascum x kovadanum* nothosp. nova (*V. glomeratum* Boiss. x *V. nudatum* Murb.) from Isparta province (C3). In both cases, one of the parent species is widely distributed, while the other is locally distributed in Turkey.

Key Words: *Verbascum*, Scrophulariaceae, Turkey

During recent field works in Turkey two new hybrids were observed and collected. They are formally described here.

***Verbascum x obtusifoliiforme* Sutorý nothosp. nova**
(=*V. obtusifolium* Hub.-Mor. x *V. sinuatum* L.)

Type: Turkey, C4, Içel province, Akçali dađları, on a small calcareous ridge over the canyon of the Sipahili River, between the villages of Aydıncık and Bozđaç, c. 650 m a.s.l. (36°16'34" N, 33°22'45"E). 24.06.1999 Karel Sutorý (Holotype BRNM, Isotype E).

Planta perennis, circa 50 cm alta, habitu *V. obtusifolii* similis, basi lignescens. Differt colori indumenti inter parentes medius, et nonnullis foliis basalibus magne sinuatis, *Verbascum sinuatum* similibus, folia caulina media et superiora breviter decurrentia. Indumentum inflorescentiae pauce densum et sine pilis longis glandulosis (quam in *Verbascum obtusifolio* existere). Calyx c. 5 mm longus cum lobis acutis. Corolla in diametro 15-20 mm, extus tomentella, parce pellucide punctata. Antherae reniformes, filamentorum papillis subviolacei veluta. Capsulae non evolutae.

Perennial herb, c. 50 cm tall, similar in habit to *V. obtusifolium*, woody at base. Colour of indumentum intermediate between the parental species. Basal leaves spatulate-oblong, some sinuate, resembling the form and size of leaves of *V. sinuatum*. Upper and middle cauline leaves only slightly decurrent. Inflorescence with

indumentum not so dense (as in *V. obtusifolium*) and without long glands (present in this species). Calyx c. 5 mm long, lobes acute. Corolla 15-20 mm in diameter, on exterior surface with indumentum and with sparse pellucid glands. Five anthers, reniform, with violet hairs on the filaments (as in *V. sinuatum*). Ripe capsules not developed.

The hybrid plants grow together with their parent and their occurrence is limited by the distribution of the endemic *V. obtusifolium* to the south-eastern part of the C4 square.

***Verbascum x kovadanum* Sutorý nothosp. nova**
(=*V. glomeratum* Boiss. x *V. nudatum* Murb.)

Type: Turkey, C3, Isparta province, to the south of Kovada Gölü, between the villages of Akbelenkli and Sığırılık, c. 1050 m a.s.l., (37°34'21"N, 30°52'11"E). 15.06.1999 Karel Sutorý (Holotype BRNM).

Planta biennis, c. 150 cm alta, folia basalia et folia inferiora, obtusa, sinuata (folia *V. nudato* fere similia), 35 x 15 cm. Folia basalia rosulam non densam formantia. Folia caulina superiora integerrima, acuminata, (*V. glomerati* fere similia). Indumentum appresse stellatum in inflorescentia sparsum cum trichomis glandulosis parvis (*V. nudatum* monens). Inflorescentia paniculam formans, fasciculi 2-3 flori, Bracteae late ovatae, acuminatae, c. 3 mm longae, pedicelli c. 3 mm longi, lobi calicis anguste lanceolati, acuminati, 2 mm longi (*Verbascum nudato*

similes). Corolla 15-25 mm in diametro, extus parce tomentella, inter parentes media, non pellucide punctulata, filamenta papillis albis veluta. Capsulae non evolutae.

Biennial herb, about 150 cm tall. Basal and lower leaves obovate oblong, obtuse, base sinuate, (resembling the lyrate-pinnatisect basal leaves of *V. nudatum*) up to 35 x 15 cm. Basal leaves forming a loose rosette. Upper cauline leaves entire, acuminate (nearer to *V. glomeratum* than the almost leafless stems of *V. nudatum*). Indumentum of inflorescence adpressed stellate with small glands (as in *V. nudatum*). Inflorescence branched with clusters of 2-4 flowers. Bracts broadly ovate, acute, c. 3 mm long. Bracteoles present (as in *V. glomeratum*).

Pedicels c. 3 mm long. Calyx 2 mm long, lobes linear lanceolate, acuminate (as in *V. nudatum*). Corolla 15-25 mm in diameter, on the exterior surface with sparse indumentum (intermediate between the parents), without pellucid glands. Five anthers, reniform, on the filaments with white hairs up to the anthers. Ripe capsules not developed.

The hybrid plants grow together with parental species and their occurrence is limited by the distribution of the endemic species *V. nudatum* in the C3, C4 squares.

The two new hybrids are not mentioned in Murbeck's monography (1933) nor in Huber-Morath's works (1971, 1978).

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