



## A new combination in *Alkekengi* (Solanaceae) for the Flora of China

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The genus *Physalis* Linnaeus (1753: 182) is a medium-sized genus in the family Solanaceae Jussieu (1789: 124). It includes about 75 New World species and one Eurasian species, *P. alkekengi* Linnaeus (1753: 183), the generic lectotype (Britton & Brown 1913). Recently, several phylogenetic analyses focusing on *Physalis* and related taxa strongly supported the monophyly of the morphologically typical New World species, characterized by unlobed and yellow flowers. *Physalis alkekengi* represents a divergent clade characterized by somewhat lobed, white corollas and brilliant red-orange fruiting calyces (Whitson & Manos 2005; Olmstead *et al.* 2008). In order to emphasize the monophyly and morphological homogeneity of the New World species and decrease nomenclatural disruption, the genus *Physalis* was proposed for conservation with a conserved type, *P. pubescens* Linnaeus, to represent the New World species (Whitson 2011). The Eurasian *P. alkekengi* was suggested to be placed in a monotypic genus *Alkekengi* Miller (1754: AL) typified with *A. officinarum* Moench (1802: 177). This proposal was subsequently recommended for acceptance by the Nomenclature Committee for Vascular Plants (Applequist 2012).

*Physalis alkekengi* var. *franchetii* (Masters) Makino (1908: 34) is a garden variety and commonly cultivated in China, Japan, South Korea and sometimes in Europe (Master 1894; Zhang *et al.* 1994). It is very similar to *Physalis alkekengi* var. *alkekengi* in corolla shape and calyx color, but differs mainly by its glabrescent fruiting calyces more than 3 cm wide and distinct spots at the corolla base (Zhang *et al.* 1994). During the revision of the “Catalogue of Life China”, it was noticed that this variety had not yet been transferred to *Alkekengi*. Accordingly, the following new combination is proposed.

*Alkekengi officinarum* Moench var. *franchetii* (Mast.) R.J.Wang, *comb. nov.*

Basionym: *Physalis franchetii* Masters (1894: 434, f. 57), as “*franchetii*”

≡ *Physalis alkekengi* Moench var. *franchetii* (Mast.) Makino, Bot. Mag. (Tokyo) 22(253): 34 (1908).

### Acknowledgements

Thanks are due to Professor Xiangyun Zhu (Institute of Botany, the Chinese Academy of Sciences, China) and to Mr. John McNeill (Honorary Associate, Royal Botanic Garden, Edinburgh, UK) for constructive comments about the name. This work was supported by the National Natural Science Foundation of China (grant nos. 30770156, 31070177, 31110103911).

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