

Hiroyoshi OHASHI: **New Combinations or New Status of Some Intraspecific Taxa of *Styphnolobium japonicum* and *Sophora flavescens* (Leguminosae)**

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Summary: Intraspecific taxa of *Sophora japonica* L. are transferred to *Styphnolobium japonicum* (L.) Schott and the following four new names are proposed: f. *oligophyllum*, f. *pendulum*, f. *vestitum* and f. *violaceum*. *Sophora pubescens* Tausch is regarded as a synonym of *Styphnolobium japonicum* f. *japonicum*. Two varieties of *Sophora flavescens* L. are reduced to the rank of forma as follows: f. *galegoides* and f. *kronoi*.

A note proposed new names of several taxa of the Japanese *Leguminosae* (*Fabaceae*) was published for the 2nd volume of Ohashi et al. (eds.), “Wild Flowers of Japan, Revised edition” (Ohashi 2014). This is an addition to the previous note for valid publication of new names of intraspecific taxa of *Styphnolobium japonicum* (L.) Schott. and *Sophora flavescens* L.

1. *Styphnolobium japonicum* (L.) Schott.

Styphnolobium was included in *Sophora* (Hutchinson 1964, Polhill 1981), but now it is distinct and shows a close relationship with *Cladrastis* and *Pickeringia* (Käss and Wink 1997, Pennington et al. 2005). *Styphnolobium japonicum* was adopted by Ohashi (2001) for a flora of Japan instead of *Sophora japonica* L., but the genus is not accepted in China even in recent floras (Bao and Vincent 2010, Zhu et al. 2015). There are several intraspecific taxa of *Sophora japonica* in China. These taxa should be transferred to *Styphnolobium japonicum*.

The following new combinations are proposed:

***Styphnolobium japonicum* (L.) Schott** in Wiener Z. Kunst 1830(3): 844 (1830). – *Sophora japonica* L., Syst. Nat., ed. 12. 2: 287 (1767) & Mant. Pl. 68. (1767).

f. ***japonicum***: *Sophora pubescens* Tausch, Flora 17: 489 (1834). – *Sophora japonica* L. var. *pubescens* (Tausch) Bosse, Vollst. Handb. Bl.-gärtn, ed. 2, 3: 408 (1842); C. Y. Ma in Fl. Reip. Pop. Sin. 40: 93 (1994); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015). – *Styphnolobium japonicum* var. *pubescens* Hort. ex Kirschner, Arbor. Muscav.: 366 (1864).

f. ***oligophyllum*** (Franch.) H. Ohashi, **comb. nov.**

Sophora japonica L. f. *oligophylla* Franch. in Nouv. Arch. Mus. Hist. Nat., sér. 2. 5: 25 (1883); C. Y. Ma in Fl. Reip. Pop. Sin. 40: 93 (1994); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015).

f. ***pendulum*** (Spach) H. Ohashi, **comb. nov.**

Sophora pendula Spach, Hist. Nat. Veg. (Spach) 1: 161 (1834). – *Sophora japonica* L. f. *pendula* (Spach) Hort. ex Loudon, Arbor. Frutic. Brit. 2: 564 (1838); C. Y. Ma in Fl. Reip. Pop. Sin. 40: 93 (1994); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015).

Nom. Jap.: Shidare-enju. シダレエンジュ.

f. ***vestitum*** (Rehder) H. Ohashi, **comb. et stat. nov.**

Sophora japonica L. var. *vestita* Rehder in J.

Am. Arb. **3**(1): 32 (1921); C. Y. Ma in Fl. Reip. Pop. Sin. **40**: 94 (1994); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015).

f. *violaceum* (Carrière) H. Ohashi, **comb. et stat. nov.**

Sophora japonica var. *violacea* Carrière, Rev. Hort.: 465 (1865); C. Y. Ma in Fl. Reip. Pop. Sin. **40**: 94 (1994); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015).

2. *Sophora flavescens* Aiton

Sophora flavescens Aiton is distributed widely in Japan, Korea, China, and Russia (Siberia and Far East Russia) and shows a wide range of morphological variation. The typical form of the species bears pale yellow petals, but sometimes plants found in Japan and China have purple- or reddish purple-petals. These purple- or reddish purple-flowered forms were treated as var. *galegoides* (Pall.) DC. in Japan (Matsumura 1902) and China (Ma 1994). A form having villous branchlets, petioles, leaves and mature pods is found in China. This is recognized here as distinct from the type at the rank of forma.

Sophora flavescens Aiton, Hort. Kew. ed. 1, **2**: 43 (1789).

f. *flavescens*.

f. *galegoides* (Pall.) H. Ohashi, **stat. nov.**

Sophora galegoides Pall., Sp. Astragal. 118, t. 88 (1800–1803). – *Sophora flavescens* var. *galegoides* (Pall.) DC., Prodr. **2**: 96 (1825); Matsum. in Bot. Mag. (Tokyo) **16**: 98 (1902), “var. *gelegoides* Pall.”; C. Y. Ma, Fl. Reip. Pop. Sin. **40**: 83 (1994); Bao & Vincent, Fl. China **20**: 91 (2010); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015).

Sophora angustifolia Siebold & Zucc. var. *purpurascens* Makino, Makino’s Nippon Shokubutsu-Zukan: 430, f. 1290 (1940), nom.

illeg. – *Sophora flavescens* Aiton f. *purpurascens* (Makino) Sugim., Key Herb. Jap. Dicot.: 734 (1965), nom. illeg.; H. Ohashi in Satake & al., Wild Flow. Japan Herb. **2**: 189 (1982); Ono & al., Rev. New Makino’s Illust. Fl. Jap.: 317, fig. 1265 (1989); H. Ohashi & al., New Makino’s Illust. Fl. Jap.: 317, fig. 1265 (2008).

Nom. Jap.: Murasaki-Kurara. ムラサキクララ.

f. *kroneri* (Hance) H. Ohashi, **stat. nov.**

Sophora kroneri Hance in Ann. Sci. Nat. Bot. ser. 4, **18**: 219 (1862). – *Sophora flavescens* var. *kroneri* (Hance) C. Y. Ma in Acta Phytotax. Sin. **20**: 470 (1982); Bao & Vincent, Fl. China **20**: 91 (2010); X. Y. Zhu & al., Sp. Catalogue China 1 Spermatophytes (IV): 262 (2015).

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大橋広好：エンジュとクララ(マメ科)の種内分類群の新学名

改訂新版『日本の野生植物』(平凡社)第2巻中のマメ科で発表するシダレエンジュとムラサキクララの新学名を含めて、エンジュとクララの種内分類群の学名をここで正式に発表する。

エンジュはクララ属に含められていたが、分子系統解析ではフジキ属に近いことが分かり、最近のマメ科の分類では別属として、エンジュ属 *Styphnolobium* とする (Ohashi 2001, Pennington et al. 2005)。しかし、中国では最近の研究でもエンジュはクララ属に含められている (Bao and Vincent 2010, Zhu 2015)。中国ではエンジュにいくつかの変種と品種があり (Ma 1994, Zhu et al. 2015)、それらはエンジュ属のエンジュとしても分類群として認められる。その中から4分類群をエンジュの品種として新組み合わせを発表した。

また、クララ *Sophora flavescens* Aiton にも変種が知られており、日本ではムラサキクララがある。この変種は松村任三が1902年に *Sophora flavescens* var. *galegoides* (Pall.) DC. として記録している。牧野富太郎は牧野日本植物図鑑1290図で「花ハ暗赤色ヲ帯ブル」ムラサキクララを裸名で命名し、図示した。その後、この裸名は正式に発表されず、それに基づいた f. *purpurascens* (Makino) Sugim. も正名ではないが、2008年の大橋他の新牧野日本植物図鑑でもこの学名が用いられている。中国ではムラサキクララに対する形には var. *galegoides* (Pall.) DC. が生かされている。しかし、単なる花卉の色変わりであり、この誤りを正して、クララの品種として f. *galegoides* (Pall.) H. Ohashi としておきたい。
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