

## Who is the Correct Author of *Cimicifuga simplex* (Ranunculaceae)?

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The name *Cimicifuga simplex* was first validated by Turczaninow in 1842.

The author of the combination *Cimicifuga simplex* is usually known as Wormskjord (Nakai 1916, Schipczinsky 1937, Ohwi 1953) or Fischer (Franchet et Savatier 1873), nevertheless, neither Wormskjord nor Fischer published such a combination. *Cimicifuga simplex* is based on *Actaea Cimicifuga* L. *β. simplex* DC. The original publication of *β. simplex* DC. on page 64 in *Prodromus Systematis Naturalis*, pars 1 (1824), is as follows:

A[ctaea] Cimicifuga (Lin! amoen. 2. p. 354.\* spec. ed. 2. p. 722).

*β. simplex* in Kamschatka frequens. Cimicifuga simplex (Wormsk. ined. ex Fisch. in litt.) caulis simplex indivisus, racemi solitarii aut raro bini recti altero, dum adsit minuto laterali rarissime terno. An spec. propria?

From this description the name, *Cimicifuga simplex*, was treated as a synonym of *Actaea Cimicifuga* L. *β. simplex* DC., because the epithet *simplex* is derived from the unpublished name by Wormskjord. Hence, according to the Art. 34.1 (c) of the International Code of Botanical Nomenclature, the name, *C. simplex*, is not validly published by De Candolle. It is impossible, moreover, to recognize this name as an alternative for *Actaea Cimicifuga β. simplex*.

The first author who made valid combination of

*Cimicifuga simplex* is Turczaninow in 1842, though he used the author name Wormskjord as “*C. simplex* Wormsk.” This combination is to be accepted and, according to Art. 46.4, to be cited as *C. simplex* (DC.) Turczaninow, which is explicitly based on basionym. The correct author name and the synonyms for *C. simplex* are as follows:

**Cimicifuga simplex** (DC.) Turczaninow in Bull. Soc. Imp. Nat. Mosc. **15**(1): 87 (1842); Fl. Baic.-Dahur. **1**: 87 (1842), nom. tant.; Czerepanov, Pl. Vasc. URSS 418 (1981); Charkevicz et Czerepanov, Opred. Sosud. Rast. Kamsch. Obl. **84** (1981); Ko. Ito et al., Check List Hokkaido **3**: 134 (1994).

*Actaea Cimicifuga* L. *β. simplex* DC., Prodr. **1**: 64 (1824).

*Cimicifuga simplex* Wormskjord ex DC., Prodr. **1**: 64 (1824), pro syn.; Hultén, Fl. Kamtch. **2**: 102 (1928).

*Cimicifugo foetida* L. var. *β. simplex* (Wormsk. ex Fisch.) G. Don, Gen. Hist. Dichlam. Pl. **1**: 64 (1831).

*Actaea simplex* Wormsk. ex Fischer et C. A. Meyer, Ind. Sem. Hort. Petrop. **1**: 21 (1835).

*Cimicifuga foetida* L. var. *simplex* (Wormsk.) Regel, Tent. Fl. Ussur. **13** (1861); Bull. Soc. Nat. Mosc. **34**(2, 3): 122 (1862); Miquel, Ann. Mus. Bot. Lugd.-Bat. **3**: 8 (1865).

*C. foetida* var. *simplex* (Wormsk.) Huth in Engler's

Bot. Jahrb. **16**: 316 (1892); Makino in Bot. Mag. Tokyo **11**: 248 (1897).

*C. simplex* Wormskjold: Maxim., Prim. Fl. Amur. 29 (1859); Fr. Schm. in Mém. Acad. Imp. Sci. St.-Pétersb. 7 sér., **12**(2): 32, 109 (1868); Miyabe et Miyake, Fl. Saghal. 23 (1915); Komarov, Fl. Penin. Kamtsch. **2**: 119 (1929); Komarov et Klob.-Alisova, Key Pl. Far East. Reg. USSR **1**: 530 (1931); Schipczinsky, Fl. URSS **7**: 84 (1937); Ohwi, Fl. Jap. 536 (1953); Ohwi, Fl. Jap. ed. Engl. 457 (1965); Tamura in Satake et al., Wild Fl. Jap., Herb. Pl. **2**: 60, pl. 56-1,2,3 (1982); Woroschilov, Opred. Rast. Sovet. Daljn. Vost. 262 (1982); Ohwi et Kitagawa, New Fl. Jap. 717 (1983).

*C. simplex* Wormsk. ex Fisch. var. *ramosa* Maximowicz ex Franch. et Savat., Enum. Pl. Jap.

中井秀樹, 大橋広好: サラシナショウマの学名 *Cimicifuga simplex* の著者名

サラシナショウマの学名としては *Cimicifuga simplex* Wormskjold がふつう用いられている。この学名は、初出の A. P. de Candolle, Prodr. Vol. 1, p. 64 (1824) において *Actaea Cimicifuga* L. *β. simplex* DC. の異名として引用されたもの

**1**(1): 13 (1873), ('*Cimifuga*').

*C. foetida* var. *β. intermedia* auct., non Regel: Huth, Bull. Herb. Boiss. **5**: 1094 (1897).

*C. simplex* Wormsk. var. *intermedia* Nakai in Bot. Mag. Tokyo **30**: 146 (1916), excl. basionymo.

*C. simplex* Wormsk. var. *yesoensis* Nakai in Bot. Mag. Tokyo **30**: 146 (1916).

*C. yesoensis* (Nakai) Kudo in J. Coll. Agr. Hokkaido Imp. Univ. **12**(1): 36 (1923); Rep. Veg. N. Saghal. 129 (1924), sphalm. *yezoensis*; Hara in Bot. Mag. Tokyo **49**: 10 (1935).

Nom. Jap.: Sarashina-shōma, Ezo-shōma, Okuyama-shōma.

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で、正式には発表されていない。この組み合わせは Turczaninow によって正式に発表された。本論文では、サラシナショウマの正名と異名とを整理した。