



## 国产合瓣花植物名称的后选模式指定 ——Ⅲ. 玄参科、紫葳科和苦苣苔科

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**摘要:**在整理保存于中国科学院植物研究所中国国家植物标本馆(PE)的国产合瓣花植物模式标本时,根据《国际藻类、菌类、植物命名法规》(墨尔本法规)规则 9.5,发现在玄参科中的阿拉善马先蒿、中国马先蒿、反曲马先蒿、红毛马先蒿、粗野马先蒿、扭旋马先蒿和四川婆婆纳、在紫葳科中的密生波罗花、角蒿、烟色叶角蒿和黄花角蒿、在苦苣苔科中的东川粗筒苣苔、滇川唇柱苣苔和羽裂全唇苣苔名称的模式为合模式。遵照规则 8.1、9.11 和 9.12,以及辅则 9A.3 的精神,对这 14 个名称做出后选模式指定。

**关键词:**中国;玄参科;紫葳科;苦苣苔科;后选模式;模式指定

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## Lectotypifications of Some Names in Sympetalae from China ——Ⅲ. Scrophulariaceae, Bignoniaceae and Gesneriaceae

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**Abstract:** In type specimens deposited at China National Herbarium (PE), Institute of Botany, Chinese Academy of Sciences, we found the types of some taxon names in Sympetalae from China to be syntypes under Article 9.5 of International Code of Nomenclature for algae, fungi, and plants (Melbourne Code), including *Pedicularis alaschanica* Maxim., *P. chinensis* Maxim., *P. recurva* Maxim., *P. rhodotricha* Maxim., *P. rудis* Maxim., *P. torta* Maxim. and *Veronica szechuanica* Batal. in Scrophulariaceae, *Incarvillea compacta* Maxim., *I. variabilis* Batal., *I. variabilis* Batal. var. *fumariaefolia* Batal. and *I. variabilis* Batal. var. *przewalskii* Batal. in Bignoniaceae, *Briggsia mairei* Craib, *Chirita forrestii* Anthony and *Didissandra primulaeflora* Batal. in Gesneriaceae. According to Article 8.1, 9.11 and 9.12, and Recommendation 9A.3, lectotypes for these fourteen names are here designated.

**Key words:** China; Scrophulariaceae; Bignoniaceae; Gesneriaceae; lectotype; typification

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After lectotypes for twenty-seven names of Ericaceae, Primulaceae, Gentianaceae, Verbenaceae and Laminaceae in Sympetalae from China have been designated<sup>[1-2]</sup>, this paper designates lectotypes for some plant names in Scrophulariaceae, Bignoniaceae and Gesneriaceae. Lectotypes for taxon names of other families will be designated one after another.

## 1 Scrophulariaceae

### 1.1 *Pedicularis alaschanica*

Maxim. in Bull. Acad. Imp. Sci. St.-Pétersbourg 24: 59. 1877. Type: China. Qinghai: Terra Tangutorum (= Qilianshan), 21 June 1872, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00031331, designated here, PE!).

When *Pedicularis alaschanica* Maxim. was published in 1877, the author cited the specimens collected by Przewalski in China and Mongolia without indicating the type in the protologue<sup>[3]</sup>.

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00031331), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in Gansu, China in 1872 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

### 1.2 *Pedicularis chinensis*

Maxim. in Bull. Acad. Imp. Sci. St.-Pétersbourg 24: 57. 1877. Type: China. Qinghai: Terra Tangutorum (= Qilianshan), 25 June 1872, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00031325, designated here, PE!).

When *Pedicularis chinensis* Maxim. was published in 1877, the author cited three gatherings (Przewalski s. n., Piasezki s. n. and Hancock s. n.) from China without indicating the type in the protologue<sup>[3]</sup>.

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00031325), LE given by the author's work unit to

PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in Gansu, China in 1872 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

### 1.3 *Pedicularis recurva*

Maxim. in Bull. Acad. Imp. Sci. St.-Pétersbourg 32: 563. 1888. Type: China. Sichuan: Kangding, 6 August 1885, G. N. Potanin s. n. (lectotype, PE Herb. Bar Code No. 00033010, designated here, PE!).

When *Pedicularis recurva* Maxim. was published in 1888, the author cited the specimens collected by Potanin in Sichuan, China in 1885 and by Delavay in Yunnan, China in 1885 without indicating the type in the protologue<sup>[4]</sup>.

After retrieving the syntype specimen G. N. Potanin s. n. (= PE Herb. Bar Code No. 00033010), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves, flowers and young fruits), agrees with the protologue, was collected by G. N. Potanin in Sichuan, China in 1885 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

### 1.4 *Pedicularis rhodotricha*

Maxim. in Bull. Acad. Imp. Sci. St.-Pétersbourg 32: 566. 1888. Type: China. Yunnan: NE Yunnan, Ho-Kin, alt. 3 500 m, 13 July 1886, Delavay 2086 (lectotype, PE Herb. Bar Code No. 00032999, designated here, PE!).

When *Pedicularis rhodotricha* Maxim. was published in 1888, the author cited two gatherings (David s. n. from Sichuan and Delavay s. n. from Yunnan) without indicating the type in the protologue<sup>[4]</sup>.

After retrieving the syntype specimen Delavay 2086 (= PE Herb. Bar Code No. 00032999), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete stems, leaves and flowers), agrees with the protologue, was collected by

Delavay in Sichuan, China in 1886 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

### 1.5 *Pedicularis rufa*

Maxim. in Bull. Acad. Imp. Sci. St.-Pétersbourg 24: 67. 1877. Type: China. Nei Mongol: Alxa Meng, 30 June 1873, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00032991, designated here, PE!).

When *Pedicularis rufa* Maxim. was published in 1877, the author cited two gatherings (Przewalski s. n. from China and Przewalski s. n. from Mongolia) without indicating the type in the protologue<sup>[3]</sup>.

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00032991), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in China in 1873 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

### 1.6 *Pedicularis torta*

Maxim. in Bull. Acad. Imp. Sci. St.-Pétersbourg 32: 538. 1888. Type: China. Sichuan: Precise locality not known, 25 July 1885, G. N. Potanin s. n. (lectotype, PE Herb. Bar Code No. 00032985, designated here, PE!).

When *Pedicularis torta* Maxim. was published in 1888, the author cited two gatherings (Potanin s. n. from Sichuan and Potanin s. n. from Gansu) without indicating the type in the protologue<sup>[4]</sup>.

After retrieving the syntype specimen G. N. Potanin s. n. (= PE Herb. Bar Code No. 00032985), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by G. N. Potanin in Sichuan, China in 1885 and signed a new species determination label by Maxim., has a basic data label on the

mounting paper.

### 1.7 *Veronica szechuanica*

Batal. in Acta Horti Petrop. 13: 383. 1894. Type: China. Sichuan: Mörping (=Baoxing), 5 July 1885, G. N. Potanin s. n. (lectotype, PE Herb. Bar Code No. 00032327, designated here, PE!).

When *Veronica szechuanica* Batal. was published in 1888, the author cited two gatherings (Potanin s. n. from Gansu and Potanin s. n. from Sichuan in 1885) without indicating the type in the protologue<sup>[5]</sup>.

After retrieving the syntype specimen G. N. Potanin s. n. (= PE Herb. Bar Code No. 00032327), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by G. N. Potanin in Sichuan, China in 1885 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

## 2 Bignoniaceae

### 2.1 *Incarvillea compacta*

Maxim. in Bull. Acad. Imp. Sci. St.-Petersb. 27(4): 521. 1881. Type: China. Qinghai: Tangut (=Qilianshan), 16—28 June 1880, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00032324, designated here, PE!).

When *Incarvillea compacta* Maxim. was published in 1881, the author cited the specimens collected Przewalski in China in 1880 without indicating the type in the protologue<sup>[6]</sup>.

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00032324), LE given by the author's work unit to PE, one of two syntype specimens (N. M. Przewalski s. n. in May 1880 and N. M. Przewalski s. n. in June 1880), is chosen as the lectotype because it is better preserved (with complete stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in China in 16—28 June 1880 and signed a new species determination label by Maxim., has a basic data label on

the mounting paper.

## 2.2 *Incarvillea variabilis*

Batal. in Acta Hort. Petrop. 12: 177. 1892.  
Type: China. Sichuan: Precise locality not known, 12 July 1885, G. N. Potanin s. n. (lectotype, PE Herb. Bar Code No. 00032321, designated here, PE!).

When *Incarvillea variabilis* Batal. was published in 1892, the author cited the specimens collected by G. N. Potanin in Sichuan, China in 12 July and 24 July 1885 without indicating the type in the protologue<sup>[7]</sup>.

After retrieving the syntype specimen G. N. Potanin s. n. (= PE Herb. Bar Code No. 00032321), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete stems, leaves and flowers), agrees with the protologue, was collected by G. N. Potanin in Sichuan, China in 12 July 1885 and signed a new species determination label by Batal. , has a basic data label on the mounting paper.

## 2.3 *Incarvillea variabilis* Batal. var. *fumariaefolia*

Batal. in Acta Hort. Petrop. 12: 178. 1892.  
Type: China. Sichuan: Sigu, 23 June 1885 G. N. Potanin s. n. (lectotype, PE Herb. Bar Code No. 00032320, designated here, PE!).

When *Incarvillea variabilis* Batal. var. *fumariaefolia* Batal. was published in 1892, the author cited the specimens collected by G. N. Potanin in Sichuan, China in 22 June and 23 June 1885 without indicating the type in the protologue<sup>[7]</sup>.

After retrieving the syntype specimen G. N. Potanin s. n. (= PE Herb. Bar Code No. 00032320), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete stems, leaves and flowers), agrees with the protologue, was collected by G. N. Potanin in Sichuan, China in 23 June 1885 and signed a new variety determination label by Batal. , has a basic data label on the mounting paper.

## 2.4 *Incarvillea variabilis* Batal. var. *przewalskii*

Batal. in Acta Hort. Petrop. 14: 180. 1895.  
Type: China. Qinghai: Tangut (= Qilianshan), 1 August 1880, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00032322, designated here, PE!).

When *Incarvillea variabilis* Batal. var. *przewalskii* Batal. was published in 1895, the author cited the specimens collected by Przewalsky in China in 27 July and 1 August 1880, and by Piasezky in 22 May and 3 June 1875 without indicating the type in the protologue<sup>[8]</sup>.

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00032322), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by Przewalsky in China in 1 August 1880 and signed a new variety determination label by Batal. , has a basic data label on the mounting paper.

## 3 Gesneriaceae

### 3.1 *Briggsia mairei*

Craib in Notes Roy. Bot. Gard. Edinburgh 11: 239. 1919. Type: China. Yunnan: Dongchuan, alt. 2 600 m, E. E. Maire 285 (lectotype, PE Herb. Bar Code No. 00030678, designated here, PE!).

When *Briggsia mairei* Craib was published in 1919, the author cited five gatherings (Maire s. n., 210, 213, 285 and 7455) without indicating the type in the protologue<sup>[9]</sup>.

After retrieving the syntype specimen E. E. Maire 285 (= PE Herb. Bar Code No. 00030678), E which was exchanged with the author's work unit, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was signed a new species determination label by Craib, has a basic data label on the mounting paper.

### 3.2 *Chirita forrestii*

Anthony in Notes Roy. Bot. Gard. Edinburgh 18: 192. 1934. Type: China. Yunnan: Zhongdian (=Shangri-La), alt. 2 135—2 440 m, July 1921, G. Forrest 20564 (lectotype, PE Herb. Bar Code No. 00032253, designated here, PE!).

When *Chirita forrestii* Anthony was published in 1919, the author cited seven gatherings (G. Forrest 11119, 16640, 16818, 20564, 22033, 22405 and Handel-Mazzetti 5343) without indicating the type in the protologue<sup>[10]</sup>.

After retrieving the syntype specimen G. Forrest 20564 (= PE Herb. Bar Code No. 00032253), E which was exchanged with the author's work unit, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was signed a new species determination label, has a basic data label on the mounting paper.

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