

CORRECTION OF COLLECTION NUMBER CITATIONS IN PROTOLOGUES OF FOURTEEN NAMES OF CHINESE PLANTS

YUN LIN,¹ CHAO LI² AND ZHI-RONG YANG^{3,4}

Abstract. According to Article 9.2 of International Code of Nomenclature for algae, fungi, and plants (ICN, Shenzhen Code, 2018), the errors of collection number in the protologues of 14 names of Chinese plants were corrected, including *Bauhinia bohniana* (Fabaceae), *Bauhinia dioscoreifolia* (Fabaceae), *Brassaiopsis glomerulata* var. *brevipedicellata* (Araliaceae), *Deutzia coriacea* (Saxifragaceae), *Fisistigma capitatum* (Annonaceae), *Gymnadenia monophylla* (Orchidaceae), *Hibiscus venustus* var. *integrilobus* (Malvaceae), *Hibiscus wangianus* (Malvaceae), *Hydrangea fulvescens* (Hydrangeaceae), *Ilex chuniana* (Aquifoliaceae), *Ilex corallina* Franch. var. *macrocarpa* (Aquifoliaceae), *Lonicera montigena* (Caprifoliaceae), *Morinda hupehensis* (Rubiaceae), *Neonauclea tsaiana* (Rubiaceae). The holotypes of the 14 names are deposited in the Harvard University Herbaria.

Keywords: Chinese plant, collection number error, protologue

The Harvard University Herbaria include six integrated herbaria: the Herbarium of the Arnold Arboretum (A); Economic Herbarium of Oakes Ames (ECON); Oakes Ames Orchid Herbarium (AMES); Farlow Herbarium (FH); Gray Herbarium (GH); and the New England Botanical Club Herbarium (NEBC). The current collections contain more than five million specimens and over 100 thousand type specimens of vascular plants. Of special interest are more than 10,000 type specimens of Chinese plants.

With the support of the National Plant Specimen Resource Center Project (NPSRC) and the Chinese Virtual Herbarium (CVH) project, we undertook a review from 2018 to 2021 of the Chinese type specimens in the Harvard University Herbaria. During our review we discovered some errors in the citation of collection numbers that need to be corrected. This paper presents the numbers incorrectly cited in the protologues and gives their correct citation. Another paper, ‘Correction of date errors in the protologues of eighteen taxon names from China, was recently published in this journal (Lin et al., 2021).

We reviewed the literature and examined all the electronic images of type specimens of Chinese plants from A and AMES; following ICN Art. 9.2 “If a designation of holotype made in the protologue of the name of a taxon is later found to contain errors (e.g. in locality, date, collector, collection number, herbarium code, specimen identifier, or citation of an illustration), these errors are to be corrected provided that the intent of the original author(s) is not changed” (Turland et al., 2018).

We herewith correct the collection errors in the protologues of 14 names of taxa described from China. The 14 names are arranged alphabetically by the genus wherein they are currently placed. This is followed by a brief discussion. Images of the specimens at A and AMES are linked to the barcodes cited in the following text.

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¹ Hunan Medication Vestibule School, Hunan Food and Drug Vocational College, Changsha 410208, People’s Republic of China.

² College of Biology, North China University of Science and Technology, Tangshan 063201, People’s Republic of China.

³ Chinese National Herbarium (PE), Institute of Botany, Chinese Academy of Sciences, Xiangshan, Beijing 100093, People’s Republic of China.

⁴ Corresponding author: zry@ibcas.ac.cn

1. *Bauhinia bohniana* L. Chen (Fabaceae), *J. Arnold Arbor.* 19(2): 129. 1938. TYPE: China. Yunnan Province: Lijiang Hsien [Xian], eastern slopes of Lijiang Snow Range, May–October 1922, *J. F. Rock 3905* (Holotype: A [00059758]).

The name *Bauhinia bohniana* L. Chen (Chen, 1938) was validly published with the type designated as *Rock “2905”* in A. However, the specimen in A annotated “*Bauhinia bohniana* spec. nov., det. Luetta Chen, March 1938,” “Type,” and matching all other details of the protologue bears the collection number *J. F. Rock 3905*. Therefore, the original type citation is erroneous and is to be corrected.

2. *Bauhinia dioscoreifolia* L. Chen (Fabaceae), *J. Arnold Arbor.* 20(4): 438. 1939. TYPE: China. Hainan Province: Dongfang City, Kumyun, 7 September 1936, *S. K. Lau 27852* (Holotype: A [00059761]).

The name *Bauhinia dioscoreifolia* L. Chen (Chen, 1939) was validly published with the type designated as *S. K. Lau “27552”* in A. However, the specimen in A annotated “*Bauhinia dioscoreifolia* sp. nov.,” “Type,” and matching all other details of the protologue bears the collection number *S. K. Lau 27852*. Therefore, the original type citation is erroneous and is to be corrected.

3. *Brassaiopsis glomerulata* (Bl.) Regel var. *brevipedicellata* H. L. Li (Araliaceae), *Sargentia* 2: 59. 1942. TYPE: China. Yunnan Province: Gongshan Hsien [Xian], Kiukiang Valley, alt. 1600 m, 21 November 1938, *T. T. Yu 21056* (Holotype: A [00094876]).

The name *Brassaiopsis glomerulata* (Bl.) Regel var. *brevipedicellata* H. L. Li (Li, 1942) was validly published with the holotype designated as *T. T. Yu “20156”* in A. However, the specimen in A annotated “*Brassaiopsis glomerulata* var. *brevipedicellata* var. nov.” and matching all other details of the protologue bears the collection

number *T. T. Yu 21056*. Therefore, the original type citation is erroneous and is to be corrected.

4. *Deutzia coriacea* Rehd. (Hydrangeaceae) in Sargent, Pl. Wilson. 1(1): 9. 1911. TYPE: China. Sichuan [now Chongqing City]: Wuxi Hsien [Xian] [now Taining], alt. 610 m, 27 June 1910, *E. H. Wilson 4487* (Holotype: A[00042669]).

The name *Deutzia coriacea* Rehd. (Rehder, 1911) was validly published with the type designated as *E. H. Wilson 4481* in A. However, the specimen in A annotated "*Deutzia coriacea* Rehd., n. sp." and matching all other details of the protologue bears the collection number *E. H. Wilson 4487*. Therefore, the original type citation is erroneous and is to be corrected.

5. *Fissistigma capitatum* Merr. ex H. L. Li (Annonaceae), J. Arnold Arbor. 26(1): 60. 1945. TYPE: China. Guangxi [Zhuangzu Zizhiqu: Chen-pien (=Napo Hsien [Xian]), 19 November 1935, *S. P. Ko 56073* (Holotype: A [00039313]).

The name *Fissistigma capitatum* Merr. ex H. L. Li (Li, 1945) was validly published with the type designated as *S. P. Ko 56075* in A. However, the specimen in A annotated "*Fissistigma capitatum* Merr. sp. nov.," "Type," and matching all other details of the protologue bears the collection number *S. P. Ko 56073*. Therefore, the original type citation is erroneous and is to be corrected.

6. *Gymnadenia monophylla* Ames & Schltr. (Orchidaceae), Repert. Spec. Nov. Regni Veg. Beih. 4: 43. 1919. TYPE: China. Sichuan Province: Songpan Hsien [Xian], alt. 3660 m, August 1910, *E. H. Wilson 4722* (Holotype: AMES [00099641]).

The name *Gymnadenia monophylla* Ames & Schltr. (Ames & Schltr., 1919.) was validly published with the type designated as *E. H. Wilson 4723* in AMES. However, the specimen in AMES annotated "*Gymnadenia monophylla* Ames & Schltr. n. sp.," "Type," and matching all other details of the protologue bears the collection number *E. H. Wilson 4722*. Therefore, the original type citation is erroneous and is to be corrected.

7. *Hibiscus venustus* Bl. var. *integrilobus* S.Y. Hu (Malvaceae), Fl. China Family 153: 49. 1955. TYPE: China. Taiwan Province: Hengchun, 6 November 1918, *E. H. Wilson 11053* (Holotype: A [00052836]).

The name *Hibiscus venustus* Bl. var. *integrilobus* S.Y. Hu (Hu, 1955) was validly published with the type designated as *E. H. Wilson 11055* in A. However, the specimen in A annotated "*Hibiscus venustus* var. *integrilobus* v. n.," "Type," and matching all other details of the protologue bears the collection number *E. H. Wilson 11053*. Therefore, the original type citation is erroneous and is to be corrected.

8. *Hibiscus wangianus* S.Y. Hu (Malvaceae), Fl. China Family 153: 55. 1955. TYPE: China. Yunnan Province: Luh-shuen (= Pu'er Xian), alt. 750 m, November 1936, *C. W. Wang 80943* (Holotype: A [00052837]).

The name *Hibiscus wangianus* S.Y. Hu (Hu, 1955) was validly published with the type designated as *C. W. Wang 80945* in A. The specimen in A annotated "*Hibiscus wangianus* sp. n.," "Type," and matching all other details of the protologue bears the collection number *C. W. Wang 80943*. Therefore, the original type citation is erroneous and is to be corrected.

9. *Hydrangea fulvescens* Rehd. (Hydrangeaceae) in Sargent, Pl. Wilson. 1(1): 39. 1911. TYPE: China. Sichuan [now Chongqing City]: Wushan Hsien [Xian], July 1900, *E. H. Wilson 1373* (Holotype: A[00042800]).

The name *Hydrangea fulvescens* Rehd. (Rehder, 1911) was validly published with the type designated as *E. H. Wilson 1393* in A. However, the specimen in A annotated "*Hydrangea fulvescens* Rehd. n. sp.," "Type," and matching all other details of the protologue bears the collection number *E. H. Wilson 1373*. Therefore, the original type citation is erroneous and is to be corrected.

10. *Ilex chuniana* S. Y. Hu (Aquifoliaceae), J. Arnold Arbor. 32(4): 397. 1951. TYPE: China. Hainan Province: Ding'an Hsien [Xian], 28 December 1933, *C. Wang 35904* (Holotype: A [00046741]).

The name *Ilex chuniana* S. Y. Hu (Hu, 1951) was validly published with the type designated as *C. Wang 33904* in A. However, the specimen in A annotated "*Ilex chuniana* sp. nov.," "Type," and matching all other details of the protologue bears the collection number *C. Wang 35904*. Therefore, the original type citation is erroneous and is to be corrected.

11. *Ilex corallina* Franch. var. *macrocarpa* S. Y. Hu (Aquifoliaceae), J. Arnold Arbor. 31(1): 67. 1950. TYPE: China. Hubei Province: Jianshi Hsien [Xian], 8 September 1934, *H. C. Chow 1556* (Holotype: A [00049442]).

The name *Ilex corallina* Franch. var. *macrocarpa* S. Y. Hu (Hu, 1950) was validly published with the type designated as *H. C. Chow 155* in A. However, the specimen in A annotated "*Ilex corallina* Franch. var. *macrocarpa* var. nov.," "Type," and matching all other details of the protologue bears the collection number *H. C. Chow 1556*. Therefore, the original type citation is erroneous and is to be corrected.

12. *Lonicera montigena* Rehd. (Caprifoliaceae) in Sargent, Pl. Wilson. 1: 143. 1911. TYPE: China. Sichuan Province: Precise locality not known, alt. 3965-4270 m, June 1904, *E. H. Wilson 3754 c* (Holotype: A [00056619]).

The name *Lonicera montigena* Rehd. (Rehder, 1911) was validly published with the type designated as *E. H. Wilson 375 c* in A. However, the specimen in A annotated "*Lonicera montigena* Rehd. sp. n.," "Type," and matching all other details of the protologue bears the collection number *E. H. Wilson 3754 c*. Therefore, the original type citation is erroneous and is to be corrected.

13. *Morinda hupehensis* S. Y. Hu (Rubiaceae), J. Arnold Arb. 32: 400. 1951. TYPE: China. Hubei Province: Enshi City, 29 October 1934, *H. C. Chou 1815* (Holotype: A [00096320]).

The name *Morinda hupehensis* S. Y. Hu (Hu, 1951) was validly published with the type designated as *H. C. Chou "1818"* in A. However, the specimen in A annotated "*Morinda hupehensis* S. Y. Hu," "Holotype," and matching all other details of the protologue bears the collection number *H. C. Chou 1815*. Therefore, the original type citation is erroneous and is to be corrected.

14. *Neonauclea tsaiana* S. Q. Zou (Rubiaceae), J. Arnold Arb. 69: 73. 1988. TYPE: China. Yunnan Province: Che-li (= Jinghong City), alt. 1100 m, October 1936, *C. W. Wang 79373* (Holotype: A [00061092]).

The name *Neonauclea tsaiana* S. Q. Zou (Zou, 1988) was validly published with the holotype designated as *C. W. Wang "39373"* in A. However, the specimen in A annotated "*Neonauclea tsaiana* S. Q. Zou," "Type," and matching all other details of the protologue bears the collection number *C. W. Wang 79373*. Therefore, the original type citation is erroneous and is to be corrected.

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