

Notes on *Clerodendrum* (Lamiaceae)

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ABSTRACT. A new combination, *Clerodendrum farinosum* var. *pubescens* is made. *Clerodendrum lasiocephalum* and *C. schmidtii* var. *macrophyllum* are reduced to synonymy of *C. chinense* var. *simplex* and *C. schmidtii*, respectively. *Clerodendrum smitinandii* is recorded from Cambodia and Vietnam for the first time. Six lectotypes are selected.

The following nomenclatural and typification changes have arisen from work being carried out for the Flora of Thailand *Clerodendrum* account.

Clerodendrum farinosum (Roxb.) Walp. var. ***pubescens*** (H.R. Fletcher) C. Leeratiwong & P. Chantarathai **comb. nov.**— *Clerodendrum venosum* Wall. ex C.B. Clarke var. *pubescens* H.R. Fletcher, Bull. Misc. Inform., Kew 1938: 205. 1938; Fletcher, Bull. Misc. Inform., Kew 1938: 428. 1938. Type: Thailand. Chiang Mai, Me Tun, mixed forest, alt. ca. 600 m., A.F.G. Kerr 6190 (lectotype BK!, selected here; isolectotype K!).

Kerr 6190 had been named as *C. venosum* var. *pubescens* by Fletcher (1938). However, Daniel & Rajendran (1993) proposed *C. farinosum* as the correct name for *V. venosum*. Therefore, it is necessary to make a new varietal combination. This variety can be easily separated from the typical variety by the dense hairs on the twigs and the lower surface of the leaves. It is known only from the type collection.

Clerodendrum chinense (Osbeck) Mabb. var. ***simplex*** (Moldenke) Chen, Novon 1: 58. 1991.— *C. philippinum* Schauer var. *simplex* Moldenke, Phytologia 20: 338. 1970. Type: Thailand, Ban Musseo, between Tak and Mae Sot, alt. 400 m, F. Floto 7634 (holotype herb. Moldenke). — *C. lasiocephalum* C.B. Clarke in Hook.f., Fl. Brit. India 4: 594. 1885, **synon. nov.** Type: India, Mishmee, Griffith 6055 (holotype K!).

Although closely related to the typical variety, var. *simplex* differs consistently in the length of the corolla tube, with a single layer of five lobes. *Clerodendrum lasiocephalum* is similar to *C. chinense* var. *simplex*. Therefore the former is reduced to the synonymy of the latter. The species is widespread from India, Myanmar and Thailand (except the peninsular part) to China.

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Clerodendrum garrettianum Craib, Bull. Misc. Inform., Kew 1911: 443. 1911. Type: Thailand, Chiang Mai, Doi Suthep, A.F.G. Kerr 1435 (lectotype K!, selected here; isolectotypes BM!, K!).

Craib (1911) described *C. garrettianum* based on two specimens, Kerr 1309 (BM!, K!) and Kerr 1435, from Doi Suthep, Chiang Mai province. The latter collection is selected as the lectotype, as it is a comprehensive well preserved specimen. The species is widespread from north and north-eastern Thailand to Indo-China.

Clerodendrum lloydianum Craib, Bull. Misc. Inform., Kew 1914: 284. 1914. Type: Thailand, Phrae, Vanpruk 499 (lectotype K!, selected here; isolectotype K!).

Clerodendrum lloydianum is widespread in Thailand (except the peninsular part) and Indo-China.

Clerodendrum schmidtii C.B. Clarke, Bot. Tidsskr. 26: 173. 1904. Type: Thailand. Trat, Chang Island, Klawng Nonsi, Schmidt 740 (lectotype K!, selected here).— *C. hastato-oblongum* C.B. Clarke, Bot. Tidsskr. 26: 173. 1904. Type: Thailand. Trat, Chang Island, Klawng Son, Schmidt 692a (holotype C).— *C. schmidtii* C.B. Clarke var. *macrophyllum* Moldenke, Phytologia 23: 180. 1972, **syn. nov.** Type: Thailand. Trat, Koh Rangyai, 20 km south of Koh Chang, Charoenphol, Larsen & Warncke 5022 (holotype AAU; isotype BKF!).

Variety *macrophyllum* was based on *Charoenphol, Larsen & Warncke* 5022, which has ovate, obovate or cordate leaves. However, intermediates exist between this variety and the typical plant. We conclude that Moldenke's variety (1972) does not warrant separation at that rank. The species is widespread in north-eastern to south-eastern Thailand and Indo-China.

Clerodendrum smitinandii Moldenke, Phytologia 7: 79. 1959. Type: Thailand: Chanthaburi, Pong Namrawn, *Smitinand* 3197 (holotype herb. Moldenke).

Smitinand & Abbe 6519 (BKF, K) which was collected from Mt Bokor, Kampot, Cambodia and *J. & M.S. Clemens* 4261 (K), collected from Mt Basi, Vietnam, May–July 1927, are the first records for Cambodia and Vietnam, respectively.

Clerodendrum umbratile King & Gamble, Bull. Misc. Inform., Kew 1908: 110. 1908. Type: Malaysia: Perak, *Dr King's collector* 722 (lectotype K!, selected here).

Eleven syntypes were cited in the protologue of *C. umbratile* by King and Gamble (1908). The syntypes were collected by botanists from Malaysia and Indonesia. *Dr King's collector* 722 is selected here as the lectotype because it is in better condition than the other syntypes. The species is widespread from southern Thailand and peninsular Malaysia to Sumatra.

Clerodendrum vanprukii Craib, Bull. Misc. Inform., Kew 1911: 444. 1911. Type: Thailand. Phrae: Huai Kamin, *Vanpruk* 207 (lectotype K!, selected here; isolectotype K!).

Clerodendrum vanprukii is endemic to northern Thailand.

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