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Notes on some Thai *Syzygium* (Myrtaceae)

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ABSTRACT. *Syzygium perakense* and *S. pustulatum* are newly recorded from Thailand and a lectotype for *S. curtisii* is designated.

During final preparation of an account of *Syzygium* Gaertn. for the Flora of Thailand (Chantaranothai & Parnell in prep.), two new records for Thailand were found, namely *Syzygium perakense* and *S. pustulatum*. *S. curtisii* is lectotypfied.

Syzygium perakense (King) I. Turner in J. Sing. Nat. Acad. Sci. 22–24: 22. 1996.— *Eugenia perakensis* King in J. As. Soc. Beng. 70: 81. 1901; Ridl., Fl. Mal. Pen. 1: 726. 1922, excl. syn.; M.R. Hend. in Gard. Bull. Singapore 12: 51, fig. 8. 1949; Kochummen in Ng, Tree Fl. Malay. 3: 209. 1978. Type: Malaysia, *Kunstler* 5595 (holotype K).

Thailand.— PENINSULAR: Narathiwat (Bala-Hala, 28 Sept. 1997, *Niyomdham* 5184, BKF).

Distribution.— PENINSULAR MALAYSIA: Perak [Larut, Feb. 1884, *Kunstler* 5595 (holotype K); Sungai Krian Estate, Bagan Serai, 23 Jan. 1938, *Spare* SFN 34481 (K)].

Ecology.— In evergreen forest, along stream.

Notes.— The specimen at BKF (*Niyomdham* 5184) determined as *Eugenia kemamanensis* M.R. Hend., undoubtedly belongs to *S. perakense*. The species is characterised by its large leaves and short inflorescence in the axils of fallen leaves. *Syzygium perakense* differs from *S. kemamanense* by its larger leaves with a cordate base and larger calyx tube.

Syzygium pustulatum (Duthie) Merr. in Philip. J. Sci. 79: 421. 1950.— *Eugenia pustulata* Duthie in Hook.f., Fl. Br. Ind. 2: 495. 1878; King in J. As. Soc. Beng. 70: 127. 1901; Ridl., Fl. Mal. Pen. 1: 736. 1922; M.R. Hend. in Gard. Bull. Singapore 12: 188. 1949; Kochummen in Ng, Tr. Fl. Mal. 3: 212. 1978. Type: Malaysia, *Maingay* 751 (holotype K).— *E. perpuncticulata* Merr. in Univ. Calif. Publ. Bot. 15: 220. 1929.— *S. perpuncticulatum* (Merr.) Merr. & L.M. Perry in Mem. Amer. Acad. Arts & Sci. 18(3): 179. 1939. Type: Sabah, *Elmer* 21223 (holotype K).

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Thailand.— PENINSULAR: Trang [Yandakao, Sai Rung Falls, 26 April 1987, *Maxwell* 87-426 (BKF)].

Distribution.— PENINSULAR MALAYSIA: Kedah [Kupong, Baluig, 8 June 1926, *Meh* 8971 (K)]; Melaka [1867-1868, *Maingay* 751 (holotype K)]; Perak [Larut, Oct. 1886, *Dr King's Collector* 6758 (K); April 1886, *Dr King's Collector* 7536 (K); Jan. 1883, *Dr King's Collector* 3724 (K)]; Selangor [Ulu Gombak F.R., 20 April 1982, *Kochummen* FRI 32508 (K)]; SINGAPORE: [Changi, 1892, *Ridley* 4657 (K); Aug Neeo Kio, 1894, *Ridley* 6420 (K)]; SABAH: [Mile 33, main road, Kalabaken Tawau, 30 May 1969, *Talip* SAN 65442 (K); Tawau, Hot Spring area, 13 Dec. 1963, *Gibot* SAN 37012 (K); Tawau, Elphinstone province, Oct. 1922–Mar. 1923, *Elmer* 21223 (K) & *Elmer* 21237 (K)].

Ecology.— In evergreen forest, ca. 200 m.

Notes.— *Syzygium pustulatum* has distinct gland dots on both inflorescence and the slightly winged branchlets. The inflorescence is shortly stout and spreading. The Thai specimen extends the range of the species from Malaysia and Borneo northward to southern Thailand.

Syzygium curtisii (King) Merr. & L.M. Perry, Mem. Amer. Acad. Arts Sci. 18: 182. 1939.— *Eugenia curtisii* King in J. As. Soc. Beng. 70: 129. 1901; Ridl., Fl. Mal. Pen. 1: 479. 1922; M.R. Hend. in Gard. Bull., Singapore 12: 174, fig. 32c. 1949; Kochummen in Ng, Tree Fl. Malay. 3: 188. 1978. Type: Malaysia, *Kunstler* 6149 (lectotype K, selected here).— *E. coralina* Merr. in J. St. Br. R. As. Soc. 77: 207. 1917 & 79: 20. 1918. Type: Sarawak, *Native Collector* 1869 (holotype K).

Thailand.— PENINSULAR: Narathiwat [Sungai Padi, Pa Wai, 24 Aug. 1988, *Niyomdham & Ueachirakan* 1906 (BKF); 10 Oct. 1988, *Niyomdham* 1947 (BKF)].

Distribution.— PENINSULAR MALAYSIA: Johore [Kangka Sedili Ketchil, 21 June 1934, *Corner* SFN 28622 (K)]; Pahang [Sungai Bera near Tasek Bera, 15 Oct. 1930, *Henderson* SFN 24110 (K, 4 sheets)]; Perak [Taiping, *Wray* 3102 (K); Gopeng, May 1886, *Kunstler* 6149 (K)]; SARAWAK: [Kelabit Highlands, Pamerario River, N.E. of Bario airstrip, 18 April 1970, *Nooteboom & Chai* 2139 (K); Bukit Raya, Kapit district, 3rd division, 4 April 1969, *Soepadmo & Chai* S 28197 (K); Kuching, 4 Aug. 1894, *Haviland & Hose* 864 (K); *Native Collector* 1869 (K)]; SUMATRA: [Sigamata, near Rantau Parapat, Bila, 27 June–23 July 1932, *Toroes* 3214 (K); Upper Riauw, Pakanbaru, Tananjan R., 22 Aug. 1960, *Soepadmo* 175 (K)].

Ecology.— Scattered in peat swamp forest, sea level.

Vernacular.— Fat yot daeng (ฝาดยอดแดง).

Notes.— King (1901) described *Eugenia curtisii* based on three syntypes (*Kunstler* 6149, *Wray* 2968 and *Wray* 3102). The first one is selected here as the lectotype because the specimen has open flowers in good condition.

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