

# REINSTATEMENT OF *LITSEA DISCOLOR* OVER *L. TIMORIANA* (LAURACEAE)

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**Abstract.** *Litsea discolor* (based on *Tetranthera discolor*) is found to be the first validly published name for the widespread Malesian species currently known under the invalid name *L. timoriana*. Typification where required is proposed for the various taxa discussed.

**Keywords:** Lauraceae, Malesia, *Litsea discolor*, synonymy, reinstatement

This paper deals with a nomenclatural issue detected while preparing a checklist of Papuasian Lauraceae. The opportunity to deal with the broader synonymy of *Litsea discolor* is taken here, rather than in a narrowly defined regional checklist.

*Litsea discolor* (Blume) Boerl., Handl. Fl. Ned. Ind. (Boerlage) 3(1): 144. 1900.

Basionym: *Tetranthera discolor* Blume, Mus. Bot. Lugd. Bat. 1(24): 382. 1851. TYPE: INDONESIA. Timor, A. Zippel 53 (Lectotype, 1st step, Kostermans 1969: 508 as Typus; 2nd step lectotype, here designated; L [1806261], image seen; Isolectotypes: L [1806251]; L [1806252]; L [1806253]; L [1806254], images seen); Timor, J. B. Spanoghe 73 (Syntype: L [1806249], image seen); specimen annotated “*Tetranthera apetala*” ex Herb. Mus. Paris (Syntype: not found).

Homotypic synonyms: *Cylicodaphne discolor* (Blume) Meissn., Prodr. (A.P. de Candolle) 51(1): 204. 1864.

*Litsea timoriana* Span. ex Fawc., Naturalist’s Wanderings E. Archipel. (H. O. Forbes): 516. 1885 *nom. illeg.*

*Malapoenna discolor* (Blume) O. Kuntze, Rev. Gen. Pl. 2: 572. 1891.

Heterotypic synonyms: *Tetranthera forstenii* Blume, Mus. Bot. Lugd. Bat. 1(24): 383. 1851. TYPE: INDONESIA. Sulawesi, near Tondano, July 1840, E. A. Forsten *s.n.* (Lectotype, here designated; L [1806294], image seen); Isolectotypes: K [00081522]; L [1806288]; L [1806289], images seen).

*Malapoenna forstenii* (Blume) O. Kuntze, Rev. Gen. Pl. 2: 572. 1891.

*Litsea forstenii* (Blume) Boerl., Handl. Fl. Ned. Ind. (Boerlage) 3(1): 142. 1900.

*Tetranthera riparia* Blume, Mus. Bot. Lugd. Bat. 1(24): 383. 1851. TYPE: INDONESIA. Maluku Prov., Banda Islands, A. Zippel 77 (Lectotype, Kostermans 1969: 508 as Typus: L [1806225], image seen).

*Malapoenna riparia* (Blume) O. Kuntze, Rev. Gen. Pl. 2: 573. 1891.

*Litsea riparia* (Blume) Boerl., Handl. Fl. Ned. Ind. (Boerlage) 3(1): 143. 1900.

*Cylicodaphne pallida* Blume, Mus. Bot. Lugd. Bat. 2(1–8): 11. 1856. TYPE: INDONESIA. Maluku

Prov., Banda Islands, *sine coll. s.n.* (Lectotype, here designated; L [0819867], image seen).

*Malapoenna cylicodaphne* O. Kuntze, Rev. Gen. Pl. 2: 572. 1891.

*Litsea pallida* (Blume) Boerl., Handl. Fl. Ned. Ind. (Boerlage) 3(1): 145. 1900 *nom. illeg.* [non (Blume) Boerl. 1900: 143].

*Litsea stickmanii* Merrill, Interpr. Herb. Amb.: 235. 1917. TYPE: INDONESIA. Maluku Prov., Ambon, Hitoe Messen and Paso, 3–200 m, 1 and 25 November 1913, C. B. Robinson 471 (Lectotype, 1st step, Merrill 1917: 235; 2nd step lectotype, here designated; US [00099375], image seen; Isolectotypes: A [00041801]; BO [1246541]; CAL [0000021804]; F [0061433F]; L [1806229]; MO [247336], images seen).

*Actinodaphne novoguineensis* Teschn., Bot. Jahrb. Syst. 58(4): 388. 1923. TYPE: PAPUA NEW GUINEA. Sepik [as Kaiserin Augusta] River, Camp 18, 200–400 m, 22 November 1912, C. Ledermann 9816 (Lectotype, here designated; B [10-0241826], image seen; Isolectotypes: B [10-0241827]; L [0036818], images seen).

*Litsea kauloensis* Teschn., Bot. Jahrb. Syst. 58(4): 396. 1923. TYPE: PAPUA NEW GUINEA. Kaulo [River], 400 m, 23 November 1907, R. Schlechter 16877 (Holotype: B, destroyed; Isotypes: P [00745270]; P [00745271]; P [00745272]; P [00745273]; SING [0069611]; UC [226449], images seen).

*Tetradenia longifolia* Teschn., Bot. Jahrb. Syst. 58(4): 389. 1923. TYPE: PAPUA NEW GUINEA. Sepik [as Kaiserin Augusta] River, Camp 18, 200–400 m, 19 November 1912, C. Ledermann 9759 (Lectotype, here designated; B [10-0277524], image seen; Isolectotypes: B [10-0277525]; B [10-0277526]; B [10-0277527]; L [0036819], image seen).

*Neolitsea longifolia* (Teschn.) Kamik., Trans. Nat. Hist. Soc. Kagoshima Imp. Coll. Agric. 3(15): 130. 1935.

*Litsea solomonensis* C.K. Allen, J. Arnold Arbor. 23: 127. 1942. TYPE: SOLOMON ISLANDS. Santa Isabel [as Ysabel], Maringe, 150 m, 23 November 1932, L. J. Brass 3183 (Holotype: A [00041818], image seen; Isotypes: BISH [1005941]; BRI [AQ0340635]; L [0036832], images seen).

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Usage Synonyms: *Lignum leve latifolium* Rumph., Herb. Amboin. 3: 71, t.43. 1743.

*Tetranthera roxburghii* auct. non Nees, Decaisne, Nouv. Ann. Mus. Hist. Nat. 3: 369. 1834.

*Litsea timoriana* Span., Comp. Bot. Mag. 1: 350. 1836 nom. nud.

*Tetranthera timoriana* Span., Linnaea 15(4): 346. 1841 nom. nud.

*Cryptocarya discolor* Zipp. ex Span., Linnaea 15(4): 346. 1841 pro syn.

*Litsea discolor* Zipp. ex Blume, Mus. Bot. Lugd. Bat. 1(24): 382. 1851 pro syn.

*Litsea papuana* auct. non K. Schum., S. Moore, J. Bot. (London) 61, (Suppl.): 43. 1923.

**Distribution:** Indonesia (West Timor, Sulawesi, Maluku, Papua); Papua New Guinea; Solomon Islands.

**Select specimens examined:** INDONESIA. Maluku Prov., Halmahera, Gunung Sahu, near Susupu, 500 m, 6 October 1974, *E. F. de Vogel* 3278 (BO [1247913], image seen); Gunung Sahu, near Susupu, 8 October 1974, *E. F. de Vogel* 3338 (BO [1247915], image seen); Bacan, Gunung Sibela, near Waiaua, 250 m, 27 October 1974, *E. F. de Vogel* 3697 (BO [1247923], image seen); Gunung Sibela, near Waiaua, 250 m, 28 October 1974, *E. F. de Vogel* 3714 (BO [1247927], image seen); Gunung Sibela, near Waiaua, 250 m, 31 October 1974, *E. F. de Vogel* 3785 (BO [1247926], image seen); Ambon, Hitoe Messen and Paso, 3–200 m, 1 and 25 November 1913, *C. B. Robinson Pl. Rumph. Amb.* 470 (BM [000799051]; BO [1246540]; GH [02499406]; K [000815268]; L [1806228]; NY [4748344], images seen). PAPUA NEW GUINEA. Mt. Korkoro, 855 m, 27 January 1886, *H. O. Forbes* 624 (P [02010724], image seen); lower Fly River, E bank opposite Sturt Island, October 1936, *L. J. Brass* 8106 (A [02499763]; BO [1248481], images seen). New Ireland, Feni Island Group, Ambitle Island, Nanum Caldera, 60 m, 16 November 2003, *W. Takeuchi* 16794 (A [02499753], image seen). Bougainville, Marmaromino, 50 m, 29 September 1930, *S. F. Kajewski* 2200 (A [02499757], image seen).

Kostermans (1969) used the name *Litsea timoriana* Span. for this taxon, but it is a *nomen nudum* and thus not available for consideration. It was eventually superfluously validated as a name by Fawcett in 1885 (see above). There are three competing east Malesian names for this taxon, namely *Tetranthera discolor*, *T. forstenii*, and *T. riparia*. Since the name *Tetranthera discolor* has material of Spanoghe's *Litsea timoriana* among its syntypes, I have chosen that binomial over the others. *Tetranthera forstenii* has not been formally reduced to *Litsea discolor*, but Kostermans has combined the material at Leiden under *L. timoriana*, a position I agree with. *Tetranthera riparia* is based on rather incomplete or young flowering material from the Banda Islands. It has rather shorter leaves than most of the material seen. Kostermans sunk it under *L. timoriana* in 1969.

Kostermans (1988) reduced *Cylicodaphne pallida* from the Banda Islands to *Litsea timoriana* (= *L. discolor*). A position here agreed with. Unfortunately, on POWO this has been confused with *Litsea pallida* (Blume) Boerl. (Basionym: *Tetranthera pallida* Blume), a species from Sulawesi. Part of the synonymy cited belongs to the taxon from Banda.

I also concur with Kostermans (unpublished) that *Actinodaphne novoguineensis*, *Litsea kauoensis*, and *Tetradenia longifolia* are all synonyms of *Litsea discolor*. Original material survives in Berlin of *Actinodaphne novoguineensis* and *Tetradenia longifolia*. For those two taxa I have chosen the sheets that bear Teschner's original sketches as lectotypes.

***Litsea tuberculata*** (Blume) Boerl., Handl. Fl. Ned. Ind. (Boerlage) 3(1): 144. 1900.

Basionym: *Cylicodaphne tuberculata* Blume, Mus. Bot. Lugd. Bat. 2(1–8): 12. 1856. TYPE: INDONESIA. Sumatra, *Herbarium F.A.C. Waitz s.n.* (Lectotype, here designated; L [1789788], image seen; Isolectotypes: L [1789784]; L [1789785]; L [1789787]; L [1789789], images seen); Sumatra, *P. W. Korthals s.n.* (Syntypes: L [0036836]; L [1789841], images seen); Sumatra, *P. W. Korthals* 967 (Syntypes: L [1789790]; L [1789791], images seen); Sumatra, *C. F. E. Praetorius s.n.* (Syntype: L [1789786], image seen); Sumatra, *sine coll. s.n.* (Syntype: K [000815264], image seen). Homotypic synonyms: *Lepidadenia tuberculata* (Blume) Miq., Fl. Ned. Ind. 1(1): 937. 1858.

*Malapoenna tuberculata* (Blume) O. Kuntze, Rev. Gen. Pl. 2: 573. 1891.

**Distribution:** Indonesia (Sumatra).

Kostermans (1969, sub *L. timoriana*) listed a collection “*sine coll.* (L)” as the type of *Litsea tuberculata*, but all the possible syntypes found in Leiden can be assigned to a collector. Possibly he meant a sterile Korthals collection in Leiden (L [0036836]), because that is the only one that bears a type label. Since “*sine coll.* (L)” cannot be found, I have chosen as lectotype a specimen annotated by Blume from Herbarium Waitz that bears the distinctive tubercular fruit cups that gave the species its name. Waitz did not collect in Sumatra, but it is probable that the specimens of *L. tuberculata* in his possession were actually gathered by Christiaan Praetorius.

The status of *L. tuberculata* is unclear to me. Though Kostermans (1969) reduced it to synonymy with *L. timoriana*, he seems to have had second thoughts about this by keeping the material separate at Leiden (rather than combining it with *L. timoriana*).

In the material aggregated at Leiden there are some specimens in WAG from Papua Prov., Indonesia. In my opinion these are better referred to *L. discolor*.

#### LITERATURE CITED

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