

## Laportea and Allied Genera (Urticaceae)

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In 1826, Gaudichaud established, amongst many others, the genera *Fleurya* and *Laportea*. Four species were described by him in the first genus but none in the other. From the rather poor descriptions, one can find but three small differences between them as tabulated below:—

| Fleurya                                                                    | Laportea                                                              |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 1. Male flowers with 4 tepals & 4 stamens.                                 | 1. Male flowers with 5 tepals & 5 stamens.                            |
| 2. Tepals of female flowers unequal.                                       | 2. Female flowers with 2 large lateral & 2 small dorsiventral tepals. |
| 3. Achenes concave at the sides, tuberculate, surrounded by a narrow wing. | 3. Achenes not concave at the sides, subtuberculate, without wings.   |

The 4-tepalled versus 5-tepalled character does not hold water. *Fleurya aestuans* and *F. lanceolata*, for example, have both 4- and 5-tepalled male flowers, sometimes even on the same plant. The second character does not work either. In both genera, the lateral tepals of the female flowers are always larger than the dorsi-ventral ones. In *F. lanceolata* for instance, the lateral tepals are as long as the achenes, a phenomenon not observed in any species of *Laportea*. The third character is completely defeated by *L. alatipes*. In this species, the achenes, which are slightly tuberculate, are not concave at the sides (i.e. a characteristic of *Laportea*) and surrounded by a narrow wing (a characteristic of *Fleurya*). No wonder it was put into *Laportea* by Hooker f. but into *Fleurya* by Brown!

The next work of major importance after Gaudichaud is the *Monographie de la Famille des Urticees* published by Weddell between 1856 and 1857. Instead of reducing *Fleurya* to *Laportea*, Weddell reduced *Dendrocnide* Miq., a genus of Malesian trees, and *Discocarpus* Liebm. (non Klotzsch), a genus of Central American trees, to sections of *Laportea*. The upshot of Weddell's work is that *Fleurya* still remains hardly distinguishable from the type section of *Laportea*; while the latter genus, now enlarged, defies definition.

Having studied all the species so far described under these genera, I came to two conclusions. Firstly, *Dendrocnide* Miq. and *Discocarpus* Liebm. are as distinct from *Laportea* sens. str. as *Urera* is from it. Their generic status should be re-established: the former to include *Laportea* sect. *Sarcopus* Wedd., and the latter to be given a new generic name, *Discocnide*. Secondly, *Fleurya* and *Laportea* (thus restricted) are congeneric; and the former is to be reduced to a section of the latter. (This observation is also shared by J. Leandri, who stated in 1961 that he found no major difference between *Laportea* sens. str. and *Fleurya*. He has recently reduced *Fleurya* to *Laportea* in his *Flore de Madagascar — Urticacees* but he effected the transfer of one species).

The differences between these three genera (*Laportea*\*, *Dendrocnide* and *Discocnide*) are indeed very great. In *Laportea* the plants are annual herbs with chartaceous dentate leaves; and they generally have that *Urtica*-like look about them. On the other hand, in *Discocnide* and particularly in *Dendrocnide*, they are perennial shrubs or trees, sometimes attaining a height of over a hundred feet, as in the Australian species *D. excelsa* (formerly *L. gigas*). In general appearance, except for a few species, *Dendrocnide* species certainly cannot be mistaken for Nettles. They in fact look more like *Poikilospermum* or *Artocarpus* in having rather coriaceous undulate-margined laminas on fairly long petioles.

On the stipules alone, one can easily distinguish *Laportea* from the other two genera. In this genus, the stipules are not wholly connate, and are therefore bifid at the apices. In *Dendrocnide* and *Discocnide*, these are wholly connate and are therefore not bifid at the apices. In the latter genus, they tend to be rather foliaceous.

The sexuality of the plants is rather characteristic for each of the three genera. In *Laportea*, the plants are mainly monoecious, whereas in *Dendrocnide*, they are mainly dioecious. In *Discocnide*, they may be either monoecious or dioecious; and sometimes flowers of both sexes are found on the same inflorescence.

The three genera do not differ very much from each other in the male flowers. In *Laportea* and *Discocnide*, male flowers with 5 tepals and 5 stamens predominate; and in *Dendrocnide*, they are mainly 4-tepalled with 4 stamens.

It is in the female flowers and the achenes that the distinguishing characteristics of the three genera are found. In *Laportea*, the female flowers are usually borne on winged pedicels which are of two types. In sect. *Laportea*, the pedicels are winged laterally, the two wings being symmetrical; whereas in sect. *Fleurya*, the pedicels are winged dorsi-ventrally with the dorsal one usually larger than the ventral.

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\*Henceforth, *Laportea* is meant to include *Fleurya*.



In *Dendrocnide*, the female flowers are of two types — sessile and pedicellate. Sessile female flowers are found in *D. stimulans*, *D. subclausa*, *D. meyeniana* and others where the flowers are arranged flabellately in one or two rows. Such “flabella” together with the flowers appear rather like the claws of cats. In another group of species, as in *D. amplissima*, the female flowers are arranged in two opposing rows on elongated extremities of inflorescences.

Species possessing pedicellate female flowers can also be divided into two groups. In one group, e.g. *D. sinuata* and *D. luzonensis*, the pedicels are simple, un-modified and often fairly long. In the other, e.g. *D. moroides*, the pedicels are often fleshy and swollen; and it is this group of species that Weddell gave the sectional name *Sarcopus*. In *Discocnide*, the female flowers are shortly pedicellate, the pedicels being simple i.e. neither winged nor fleshy; and as such, it is rather similar to species like *D. luzonensis*.

The achenes, however, clearly distinguish *Discocnide* not only from *Laportea* and *Dendrocnide* but also from the rest of *Urticaceae*. In *Discocnide*, the achenes are very flat, round and disc-like; and the walls are so very thin and papery that the very slender seed is clearly visible through them. In *Dendrocnide*, on the other hand, the achenes are pear-shaped and not flattened, but only slightly compressed; and have very thick almost fleshy walls as in *D. sinuata*. The achenes of *Laportea* are also thick-walled but they are never fleshy.

### Systematic Position.

The genus *Laportea* is very closely related morphologically to *Sceptrocnide* from which it differs on two counts. Firstly, in the male flowers of *Laportea*, the stamens are not adnate to the tepals as is the case in *Sceptrocnide*. Secondly, the stipules of *Sceptrocnide* are free and lateral as opposed to the intra-petiole and partly connate one of *Laportea*.

*Dendrocnide* and *Discocnide* have their alliances with *Urera* and not *Laportea* as claimed by Weddell. They differ from *Urera* in having non-fleshy tepals and ligulate stigmas.

These three genera are being monographed; and the results will be published in this Bulletin. This paper therefore restricts itself to a formal presentation of the new combinations and names consequent upon my decisions (a) to re-establish the genera so correctly described by Miquel and Liebmans and (b) to reduce *Fleurya* to *Laportea* proper.

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### LAPORTEA, *nom. cons.*

Gaud. in Freyc. Voy. Monde Bot. 498 "1826" (1830).—*Urticasterum* Heist. ex Fabric. En. Pl. Helmst. 204 (1759), *nom. rej.*; O.K. Rev. Gen. Pl. 635 (1891). *p.p.*—*Oblixis* Rafin. Fl. Tell. 3: 49 (1837).—*Laportea* sect. *Sclepsion* Wedd. Arch. Mus. Hist. Nat. Paris 9: 123 (1856) et in DC. Prodr. 16 (1): 78 (1869); B. & H. Gen. Pl. 3 (1): 383 (1880); Durand, Ind. Gen. Phan. 1: 377 (1888); Engl. in E. & P. Pfl. Fam. 3 (1): 106 (1889), *p.p.*

Monoecious annual herbs with irritant hairs. *Leaves* chartaceous, dentate. *Stipules* intra-petiole, connate, bifid at apices. *Male Flowers* with 4 or 5 tepals and stamens. *Female flowers* pedicellate; pedicels winged either laterally and symmetrically or dorsio-ventrally and asymmetrically. *Achenes* compressed, ovate, not flattened and papery; seed not visible through the ovary wall.

Lectotype sp.: *L. canadensis* (L.) Wedd.

#### sect. *Laportea*.

*Pedicels* of female flowers winged laterally and symmetrically. *Achenes* articulated on pedicels.

Distribution: Temp. N. America, Africa, Madagascar, China, Manchuria, Japan, Java, New Guinea.

1. ***Laportea alatipes*** Hk. f. J. Linn. Soc. Bot. 7: 215 (1864).—*Urticastrum alatipes* (Hk. f.) O.K. Rev. Gen. Pl. 635 (1891).—*Fleurya urticoides* Engl. Bot. Jahrb. 33: 122 (1904).—*Girardinia marginata* Engl. loc. cit. 123 (1904).—*F. urticoides* Engl. var. *glabrata* Rendle in Prain, Fl. Trop. Afr. 6 (2): 247 (1917).—*F. alatipes* (Hk. f.) Brown in Dyer, Fl. Cap. 5 (2): 547 (1925).
2. ***Laportea amberana*** (Baker) Leandri, Ann. Mus. Col. Marseille, ser. 6. 7–8: 18 (1950).—*Urera amberana* Baker, J. Bot. 20: 267 (1882).



3. **Laportea bulbifera** (Sieb. & Zucc.) Wedd. Arch. Mus. Hist. Nat. Paris 9: 139 (1856).—*Urtica evitata* Wall. Cat. n. 4588 (1832), *nom. nud.*—*U. bulbifera* Sieb. & Zucc. Abh. der Math.-Phys. Kl. der. Baier. Akad. 4 (3): 214 (1846).—*Laportea terminalis* Wight, Ic. Pl. Ind. Or. 6: 9. tab. 1972 (1853).—*L. oleracea* Wedd. loc. cit. 141 (1856).—*F. bulbifera* (Sieb. & Zucc.) Bl. ex Miq. Ann. Mus. Bot. Lugd. Bat. 3: 132 (1867).—*L. evitata* Wedd. DC. Prodr. 16 (1): 79 (1869).—*Urticastrum evitatum* (Wedd.) O.K. Rev. Gen. Pl. 635 (1891).—*U. bulbiferum* (Sieb. & Zucc.) O.K. loc. cit. —*U. oleraceum* (Wedd.) O.K. loc. cit.—*L. sinensis* Wright, J. Linn. Soc. Bot. 26: 474 (1899).—*Boehmeria bodinieri* Lev. in Fedde, Repert. 11: 505 (1913).
4. **Laportea canadensis** (L.) Wedd. Ann. Sc. Nat. ser. 4. 1: 181 (1854).—*Urtica canadensis* L. Sp. Pl. 985 (1753).—*U. divaricata* L. loc. cit.—*F. canadensis* (L.) Benth. in Hk. Niger. Fl. 517 (1849).—*U. pustulata* Liebm. Vidensk. Selsk. Skr. 5 (2): 294 (1851).—*L. pustulata* (Liebm.) Wedd. Arch. Mus. Hist. Nat. Paris 9: 140 (1856).—*Urticastrum divaricatum* (L.) O.K. loc. cit.—*L. divaricata* (L.) Lunell, Am. Midl. Nat. 4 (7): 301 (1916).
5. **Laportea decumana** (Roxb.) Wedd. Arch. Mus. Hist. Nat. Paris 9: 127 (1856).—*Urtica decumana* Roxb. Fl. Ind. 3: 587 (1832).—*U. rumphii* Kostel. Allg. Med. Pharm. Fl. 2: 400 (1833).—*Boehmeria macrothyrsa* Miq. in Zoll. Syst. Verz. 100, 103 (1854).—*L. armata* Warb. Bot. Jahrb. 13: 293 (1891).—*Urticastrum decumanum* (Roxb.) O.K. loc. cit. —*L. pedunculata* K. Sch. & Laut. Fl. Schutzgeb. 290 (1901).—*L. humilis* Laut. in K. Sch. & Laut. Nachtr. Fl. Schutzgeb. 251 (1905).
6. **Laportea floribunda** (Baker) Leandri loc. cit. 24 (1950).—*Pilea floribunda* Baker, Kew Bull. 280 (1897).
7. **Laportea humbertii** Leandri, loc. cit. 19 (1950).
8. **Laportea manombensis** Leandri, loc. cit. 21 (1950).
9. **Laportea perrieri** Leandri, loc. cit. 20 (1950).
10. **Laportea septentrionalis** Leandri, loc. cit. 19 (1950).
11. **Laportea violacea** Gagn. Bull. Soc. Bot. Fr. 75: 4 (1928).—*L. vitifolia* Hand.-Mazz. Symb. Sinic. 7: 117 (1929).
12. **Laportea weddellii** Leandri, loc. cit. 22 (1950).

**sect. Fleurya** (Gaud.) Chew, *stat. nov.*

*Fleurya* Gaud. in Freyc. Voy. Monde, Bot. 497 "1826" (1830), *basionym*.—*Schychowskia* Endl. Ann. Wien Mus. 1: 187 (1836).—*Fleuryopsis* Opiz, Lotos 3: 240 (1853).

*Pedicels* of female flowers usually winged dorsi-ventrally and asymmetrically. *Achenes* not articulated on pedicels.

Lectotype sp.: *F. spicata* Gaud. [= *L. interrupta* (L.) Chew].

Distribution: Pan-Tropical.

13. **Laportea aestuans** (L.) Chew, **comb. nov.**

*Urtica aestuans* L. Sp. Pl. ed. 2. 1397 (1763), **basionym**.—*U. divaricata* Forsk. Fl. Aegypt. Arab. 160 (1775), non L. (1753).—*U. hirsuta* Vahl, Symb. Bot. Pl. 1: 77 (1790).—*U. latifolia* Rich. Act. Soc. Hist. Nat. Paris 1: 113 (1792).—*U. nemorosa* Kunth in Bonpl. & Humb. Nov. Gen. Sp. Pl. 2: 42 (1817).—*U. divergens* Mey. Prim. Fl. Esseg. 264 (1818).—*U. caravellana* Schrank, Pl. Rar. Hort. Monac. tab. 82 (1819).—*Fleurya cordata* Gaud. loc. cit. 498 "1826" (1830).—*F. petiolata* Decne. Herb. Timor. 162 (1834).—*U. petiolata* (Decne.) Steud. Nom. Bot. ed. 2. 2: 735 (1841).—*U. schimperiana* Hochst. ex Steud. Flora. 33: 259 (1850).—*F. caravellana* (Schrank) Wedd. Ann. Sc. Nat. ser. 3. 18: 204 (1852).—*F. glandulosa* Wedd. loc. cit. 205 (1852).—*F. aestuans* (L.) Miq. in Martius, Fl. Braz. 4 (1): 196 (1853).—*F. ingrata* Miq. in Zoll. Syst. Verz. Ind. 103, 106 (1854).—*U. tuberculata* Anderss. Vet. Akad. Handl. Stockh. 1853: 159 (1855).—*F. lurida* Bl. Mus. Bot. Lugd. Bat. 2: f. 21 (1856).

14. **Laportea bathiei** Leandri, Fl. Madagasc. Urtic. 10 (1965).—*Fleurya perrieri* Leandri, Ann. Mus. Col. Marseille, ser. 6. 7-8: 16 (1950).

15. **Laportea cuneata** (A. Rich.) Chew, **comb. nov.**

*Urtica cuneata* A. Rich. in Ramon de La Sagra, Hist. Isla Cuba, Bot. 11: 224 (1850), **basionym**.—*F. umbellata* Wedd. Ann. Sc. Nat. ser. 3. 18: 204 (1852).—*F. glomerata* Griseb. Cat. Pl. Cuba 58 (1866), non Gaud. (1830).—*F. cuneata* (A. Rich.) Wedd. DC. Prodr. 16 (1): 73 (1869).

16. **Laportea disepala** (Gagn.) Chew, **comb. nov.**

*F. disepala* Gagn. Bull. Soc. Bot. Fr. 75: 556 (1928), **basionym**.

17. **Laportea grossa** (Wedd.) Chew, **comb. nov.**

*F. grossa* Wedd. Ann. Sc. Nat. ser. 4. 1: 183 (1854), **basionym**.

18. **Laportea interrupta** (L.) Chew, **comb. nov.**

*Urtica interrupta* L. Sp. Pl. 985 (1753), **basionym**.—*B. interrupta* (L.) Willd. Sp. Pl. 4 (1): 342 (1805).—*U. javanica* Bl. Bijdr. 503 (1825).—*F. spicata* Gaud. loc. cit. 497 "1826" (1830).—*F. glomerata* Gaud. loc. cit.—*U. sessiliflora* Blco. Fl. Filip. 696 (1837), non Sw. (1785).—*U. gaudichaudii*



Steud. Nom. Bot. ed. 2. 2: 734 (1841).—*U. spicigera* Steud. loc. cit. 736 (1841).—*U. affinis* Hk. & W.-Arn. Bot. Beech. Voy. 69 (1841).—*B. javanica* (Bl.) Hassk. Cat. Bogor. 79 (1844).—*Melochia burmannii* Zoll. et Mor. in Mor. Syst. Verz. 27 (1845), *nom. nud.*—*U. capitata* Bleo. Fl. Filip. ed. 2. 483 (1845), non L. (1753).—*U. lomatocarpa* Hochst. ex Steud. Flora 33: 260 (1850).—*F. interrupta* (L.) R. Wight, Ic. Pl. Ind. Or. 6: 10. tab. 1975 (1853).—*Schychowskia interrupta* (L.) W. F. Wight in Safford, Contr. U.S. Nat. Herb. 9: 371 (1905).

19. **Laportea lanceolata** (Engl.) Chew, **comb. nov.**

*Fleurya lanceolata* Engl. Abh. Preuss. Akad. Wiss. 37 (1894) et Pflanzenw. Ost.-Afr. 100: 163 (1895), **basionym.**

20. **Laportea mooreana** (Hiern) Chew, **comb. nov.**

*F. grossa* Wedd. sensu Hiern, Cat. Afr. Pl. Welw. 1 (4): 989 (1900).—*Adicea mooreana* Hiern, loc. cit. 991 (1900), **basionym.**—*Pilea mooreana* (Hiern) K. Sch. in Just. Jahresber. 28 (1): 463 (1900).—*F. mooreana* (Hiern) Rendle in Prain, Fl. Trop. Afr. 6 (2): 250 (1917).—*F. urophylla* Mildbr. Notizbl. Bot. Gart. Berl. 8: 279 (1923).

21. **Laportea ovalifolia** (Schumach.) Chew, **comb. nov.**

*Haynea ovalifolia* Schumach. Beskr. Guin. Pl. 406 (1827), **basionym.**—*F. podocarpa* Wedd. DC. Prodr. 16 (1): 76 (1869).—*F. ovalifolia* (Schumach.) Dandy in Andrews, Fl. Pl. Angl.-Egypt. Sudan, 2: 277 (1952).

22. **Laportea peduncularis** (Wedd.) Chew, **comb. nov.**

*F. mitis* Wedd. Ann. Sc. Nat. ser. 4. 1: 183 (1854), *nom. nud.*—*F. capensis* Wedd. Arch. Mus. Hist. Nat. Paris 9: 117. tab. 1. fig. A, 7–8 (1856), *exclu. spec. typ.*; non (Thunb.) Wedd. (1854).—*F. peduncularis* Wedd. DC. Prodr. 16 (1): 75 (1869), **basionym.**

23. **Laportea ruderalis** (Forst. f.) Chew, **comb. nov.**

*Urtica ruderalis* Forst. f. Fl. Ins. Austr. Prodr. 66 (1786), **basionym.**—*F. paniculata* Gaud. loc. cit. 497 “1826” (1830).—*Schychowskia ruderalis* (Forst. f.) Endl. Ann. Wien Mus. 1: 187. tab. 13 (1836).—*F. ruderalis* (Forst. f.) Wedd. Ann. Sc. Nat. ser. 4. 1: 182 (1854).

## DENDROCNIDE

Miq. Pl. Jungh. 29 (1851).—*Laportea* sect. *Dendrocnide* (Miq.) Wedd. Arch. Mus. Hist. Nat. Paris 9: 133 (1856) et DC. Prodr. 16 (1): 85 (1869).—*Laportea* sect. *Sarcopus* Wedd. loc. cit. 129 (1856) et loc. cit. 82 (1869).—*Urticastrum* Heist. ex Fabric. sensu O.K. Rev. Gen. Pl. 634 (1891), *p.p.*, *exclu. typ. sp.*

Dioecious perennial shrubs or trees with irritant hairs. *Leaves* coriaceous, crenulate, undulate to smooth. *Stipules* intra-petiolar, wholly connate. *Male flowers* mainly with 4 tepals and 4 stamens. *Female flowers* sessile or pedicellate; the sessile ones either flabelately or distichously arranged on swollen extremities of peduncles; the pedicellate ones arranged in fascicles; the pedicels either simple or swollen, but never winged. *Achenes* compressed to bloated, ovate, not papery, usually strongly warted.

Lectotype sp.: *D. costata* Miq. = *D. stimulans* (L.f.) Chew.

Distribution: South and South-east Asia, throughout Malasia, Northern Tropical Australia and the Pacific Islands.

1. **Dendrocide amplissima** (Bl.) Chew, **comb. nov.**

*Urtica ovalifolia* Bl. Bijdr. 504 (1825), *non* Stokes (1812).—*Urera amplissima* Bl. Mus. Bot. Lugd. Bat. 2: tab. 22 (1857), **basionym**.—*L. amplissima* (Bl.) Miq. Fl. Ind. Bat. 1 (2); 232 (1859).—*Urticastrum amplissimum* (Bl.) O.K. Rev. Gen. Pl. 635 (1891).

2. **Dendrocide anacardioides** (C.B. Rob.) Chew, **comb. nov.**

*Laportea anacardioides* C.B. Rob. Philip. J. Sc. Bot. 5: 478 (1911), **basionym**.

3. **Dendrocide batanensis** (C.B. Rob.) Chew, **comb. nov.**

*Laportea batanensis* C.B. Rob. loc. cit. 481 (1911), **basionym**; Li, Pac. Sc. 7: 182 (1953).—*L. kotoensis* Hay. ex. Yamam. Suppl. Ic. Pl. Formos. 1: 2 (1925).

4. **Dendrocide ? caerulea** (Bl.) Miq. Pl. Jungh. 1: 31 (1851).—

*U. caerulea* Bl. Bijdr. 495 (1825).

5. **Dendrocide chingiana** (Hand.-Mazz.) Chew, **comb. nov.**

*Laportea chingiana* Hand.-Mazz. Sinensia 2 (1): 1 (1931), **basionym**.

6. **Dendrocide contracta** (Bl.) Chew, **comb. nov.**

*Urtica contracta* Bl. Bijdr. 505 (1825), **basionym**.—*L. contracta* (Bl.) Miq. Fl. Ind. Bat. 1 (2); 232 (1859), *pro syn.*—*L. costata* (Miq.) Miq. var. *contracta* (Bl.) Miq. loc. cit.—*L. stimulans* (L.f.) Miq. var. *contracta* (Bl.) Miq. Ann. Mus. Bot. Lugd. Bat. 4: 302 (1869).

7. **Dendrocide corallodesme** (Laut.) Chew, **comb. nov.**

*Laportea corallodesme* Laut. in K. Sch. & Laut. Nachtr. Fl. Schutzgeb. 252 (1905), **basionym**.

8. **Dendrocide cordata** (Warb. ex Winkl.) Chew, **comb. nov.**

*Laportea gaudichaudiana* Wedd. *sensu* K. Sch. & Holtr. Fl. Kais. Wilh. Land 38 (1889).—*Laportea cordata* Warb. ex Winkl. Bot. Jahrb. 57: 503 (1922), **basionym**.



9. **Dendrocnide crassifolia** (C.B. Rob.) Chew, **comb. nov.**  
*Laportea crassifolia* C.B. Rob. *loc. cit.* 480 (1911),  
**basionym.**
10. **Dendrocnide densiflora** (C.B. Rob.) Chew, **comb. nov.**  
*Laportea densiflora* C.B. Rob. *loc. cit.* 479 (1911),  
**basionym.**
11. **Dendrocnide diffusa** (C.B. Rob.) Chew, **comb. nov.**  
*Laportea diffusa* C.B. Rob. *loc. cit.* 482 (1911), **basionym.**
12. **Dendrocnide elliptica** (Merr.) Chew, **comb. nov.**  
*L. peltata* auct. non Gaud. ex Decne.: Merr. Univ. Cal.  
Publ. Bot. 15: 50 (1929).—*Laportea elliptica* Merr. J. Arn.  
Arb. 35: 135 (1954), **basionym.**
13. **Dendrocnide excelsa** (Wedd.) Chew, **comb. nov.**  
*Urera excelsa* Wedd. Ann. Sc. Nat. ser. 4. 1: 178 (1854),  
**basionym.**—*U. rotundifolia* Wedd. *loc. cit.* 177 (1854).—  
*L. gigas* Wedd. Arch. Mus. Hist. Nat. Paris 9: 129. tab. 3  
(1856).—*Urticastrum gigas* (Wedd.) O.K. *loc. cit.* (1891).
14. **Dendrocnide gigantea** (Poir.) Chew, **comb. nov.**  
*Urtica gigantea* Poir. in Lam. Encyc. Meth. Bot. Suppl. 4:  
225 (1816), **basionym.**—*Urera commersoniana* Wedd.  
Ann. Sc. Nat. ser. 3. 18: 202 (1852).
15. **Dendrocnide harveyi** (Seem.) Chew, **comb. nov.**  
*Laportea harveyi* Seem. Fl. Vit. 238. tab. 59 (1868),  
**basionym.**—*Urticastrum harveyi* (Seem.) O.K. *loc. cit.*  
(1891).
16. **Dendrocnide kusaiana** (Kaneh.) Chew, **comb. nov.**  
*Laportea kusaiana* Kaneh. Bot. Mag. Tokyo 46: 449  
(1932), **basionym.**
17. **Dendrocnide latifolia** (Gaud.) Chew, **comb. nov.**  
*Laportea latifolia* Gaud. Bot. Voy. Bonite tab. 81 (1844),  
**basionym.**
18. **Dendrocnide longifolia** (Hemsl.) Chew, **comb. nov.**  
*Laportea longifolia* Hemsl. in Hk. Ic. Pl. 26: tab. 2559,  
2560 (1898), **basionym.**
19. **Dendrocnide luzonensis** (Wedd.) Chew, **comb. nov.**  
*Laportea crenulata* Wedd. var. *luzonensis* Wedd. Arch.  
Mus. Hist. Nat. Paris 9: 133 (1856) et DC. Prodr. 16 (1):  
85 (1869), **basionym.**—*L. luzonensis* (Wedd.) Warb. in  
Perk. Fragm. Fl. Philip. 168 (1904).—*L. agusanensis* Elm.  
Leaf. Philip. Bot. 8: 2860 (1915).—*L. latilanceolata* Elm.  
*loc. cit.* 9: 3238 (1934).

20. **Dendrocide meyeniana** (Walp.) Chew, **comb. nov.**  
*Urtica umbellata* Blco. Fl. Filip. 696 (1837), non Bory (1802).—*Urtica meyeniana* Walp. Nov. Act. Nat. Cur. 19. Suppl. 1: 422 (1843), **basionym**.—*U. ferox* Blco. Fl. Filip. ed. 2. 484 (1845), non Forst. f. (1786).—*L. gaudichaudiana* Wedd. Arch. Mus. Hist. Nat. Paris 9: 137 (1856).—*L. pterostigma* Wedd. DC. Prodr. 16 (1): 87 (1869).—*Urticastrum gaudichaudianum* (Wedd.) O.K. loc. cit.—(1891).—*U. pterostigma* (Wedd.) O.K. loc. cit.—*L. meyeniana* (Walp.) Warb. in Perk. Fragm. Fl. Philip. 168 (1904).—*L. leytenensis* C.B. Rob. loc. cit. 484 (1911).
21. **Dendrocide microstigma** (Gaud. ex Wedd.) Chew, **comb. nov.**  
*Laportea microstigma* Gaud. ex Wedd. Arch. Mus. Hist. Nat. Paris 9: 138 (1856) et DC. Prodr. 16 (1): 85 (1869), **basionym**.—*Urticastrum microstigma* (Gaud. ex Wedd.) O.K. loc. cit. (1891).
22. **Dendrocide milnei** (Seem.) Chew, **comb. nov.**  
*Laportea milnei* Seem. Fl. Vit. 238 (1868), **basionym**.—*Urticastrum milnei* (Seem.) O.K. loc. cit. (1891).
23. **Dendrocide mirabilis** (Rech.) Chew, **comb. nov.**  
*Laportea mirabilis* Rech. in Denkschr. K. Ak. Wiss. M.-N. Kl. Wien 1913. 89: 543. tab. 1. fig. 1b (1914), **basionym**.
24. **Dendrocide moroides** (Wedd.) Chew, **comb. nov.**  
*Laportea peltata* Gaud. ex Decne. Herb. Timor. 162 (1834), *sensu stricto*.—*L. moroides* Wedd. Arch. Mus. Hist. Nat. Paris 9: 142 (1856), **basionym**.—*Urticastrum moroides* (Wedd.) O.K. loc. cit. (1891).—*U. peltatum* (Bl.) O.K. loc. cit. (1891), *p.p.*
25. **Dendrocide nitida** (Winkl.) Chew, **comb. et stat. nov.**  
*Laportea crenulata* Wedd. var. *nitida* Winkl. Bot. Jahrb. 57: 506 (1922), **basionym**.
26. **Dendrocide oblanceolata** (Merr.) Chew, **comb. nov.**  
*Laportea oblanceolata* Merr. J. Str. Br. R. As. Soc. 85: 167 (1922), **basionym**.
27. **Dendrocide peltata** (Bl.) Miq. Pl. Jungh. 1: 30 (1851).  
**(a) subsp. peltata**  
*Urtica peltata* Bl. Bijdr. 496 (1825).—*L. peltata* Gaud. ex Decne. *sensu* Wedd. Arch. Mus. Hist. Nat. Paris 9:



126 (1856) et DC. Prodr. 16 (1): 80 (1869), *exclu. typ.*  
—*L. laxiflora* Wedd. DC. Prodr. 16 (1): 81 (1869).—*L. vrieseiana* Wedd. *loc. cit.* (1869).—*Urticastrum laxiflorum* (Wedd.) O.K. *loc. cit.* (1891).—*U. peltatum* (Bl.) O.K. *loc. cit.* (1891).—*U. vrieseanum* (Wedd.) O.K. *loc. cit.* (1891).

(b) **subsp. murrayana** (Rendle) Chew, **comb. et stat. nov.**

*Laportea murrayana* Rendle in Andrews, Monog. Christ. Isl. 189 (1900), **basionym.**

28. **Dendrocnide photiniphylla** (Kunth) Chew, **comb. nov.**

*Fleurya photiniphylla* Kunth, Ann. Sc. Nat. ser. 3. 7: 183 (1847), **basionym.**—*Urera leichardiana* Wedd. Ann. Sc. Nat. ser. 4. 1: 178 (1854).—*L. photiniphylla* (Kunth) Wedd. Arch. Mus. Hist. Nat. Paris 9: 138 (1856).—*Urticastrum photiniphylla* (Kunth) O.K. *loc. cit.* (1891).

29. **Dendrocnide platyphylla** (Merr.) Chew, **comb. nov.**

*Laportea platyphylla* Merr. Philip. J. Sc. Bot. 11: 176 (1916), **basionym.**

30. **Dendrocnide pulus** (Steud.) Chew, **comb. nov.**

*Urtica ardens* Bl. Bijdr. 504 (1825), non Link (1822).—*Urtica pulus* Steud. Nom. Bot. ed. 2. 2: 735 (1841), **basionym.**—*U. obnoxia* Hassk. Cat. Hort. Bogor. 305 (1844).—*L. ardens* (Bl.) J. J. Smith in Koord. & Val. Bijdr. Booms. Java 12: 684 (1910).

31. **Dendrocnide rechingeri** (Winkl.) Chew, **comb. nov.**

*Laportea rechingeri* Winkl. Bot. Jahrb. 57: 506 (1922), **basionym.**

32. **Dendrocnide rigidifolia** (C.B. Rob.) Chew, **comb. nov.**

*Laportea rigidifolia* C.B. Rob. *loc. cit.* 483 (1911), **basionym.**

33. **Dendrocnide saipanensis** (Kaneh.) Chew, **comb. nov.**

*Laportea saipanensis* Kaneh. Bot. Mag. Tokyo 45: 277 (1931), **basionym.**

34. **Dendrocnide salomonensis** (Rech.) Chew, **comb. nov.**

*Laportea salomonensis* Rech. in Fedde, Repert. 11: 182 (1912), **basionym.**

35. **Dendrocnide schlecteri** (Winkl.) Chew, **comb. nov.**

*Laportea schlecteri* Winkl. Bot. Jahrb. 57: 505 (1922), **basionym.**—*L. crenulata* Wedd. var. *nervosa* Winkl. *loc. cit.* 507 (1922), *p.p.*

36. **Dendrocnide sessiliflora** (Warb.) Chew, **comb. nov.**  
*Laportea sessiliflora* Warb. Bot. Jahrb. 13: 292 (1891),  
**basionym**; K.Sch. & Laut. Fl. Schutzgeb. 290 (1901),  
 "sessilifolia".
37. **Dendrocnide sinuata** (Bl.) Chew, **comb. nov.**  
*Urtica sinuata* Bl. Bijdr. 505 (1825), **basionym**.—*U. churta*  
 Buch.-Ham. ex Wall. Cat. no. 4608 (1832), **nom. nud.**—*U. crenulata* Roxb. Fl. Ind. 3: 591 (1832), non Sev. (1785).—*L. crenulata* Wedd. Arch. Mus. Hist. Nat. Paris 9: 133 (1856).—*L. sinuata* (Bl.) Miq. Ann. Mus. Bot. Lugd. Bat. 4: 301 (1869).—*Urticastrum sinuatum* (Bl.) O.K. loc. cit. (1891).—*L. pustulosa* Ridl. J. Str. Br. R. As. Soc. 82: 194 (1920).
38. **Dendrocnide stenophylla** (Quis.) Chew, **comb. nov.**  
*Laportea stenophylla* Quis. Philip. J. Sc. 41: 317. tab. 1 (1930), **basionym**.
39. **Dendrocnide stimulans** (L. f.) Chew, **comb. nov.**  
*Urtica stimulans* L. f. Suppl. 418 (1781), **basionym**.—*U. stimulans* L. f. var. *obtusata* Bl. Bijdr. 505 (1825).—*D. costata* Miq. Pl. Jungh. 1: 30 (1851).—*L. stimulans* (L. f.) Miq. in Zoll. Syst. Verz. 103 (1854).—*L. costata* (Miq.) Miq. Fl. Ind. Bat. 1 (2): 231 (1859).—*L. stimulans* (L. f.) Miq. var. *costata* (Miq.) Miq. Ann. Mus. Bot. Lugd. Bat. 4: 302 (1869).—*Urticastrum stimulans* (L. f.) O.K. loc. cit. (1891).—*U. costatum* (Miq.) O.K. loc. cit.—*L. mindanaensis* Warb. in Perk. Fragm. Fl. Philip. 168 (1904).—*L. gracilipes* Elm. Leaflet. Philip. Bot. 3: 876 (1910).—*L. lanaensis* C.B. Rob. loc. cit. 483 (1911).—*L. brunnea* Merr. Philip. J. Sc. Bot. 10: 298 (1915).—*L. annamica* Gagn. Bull. Soc. Bot. Fr. 75: 2 (1928).—*L. thorelii* Gagn. loc. cit.—*L. hainanensis* Merr. & Metc. Lingn. Sc. J. 16: 189. fig. 4 (1937).—*L. sumatrana* Merr. Pap. Mich. Ac. Sc. 24 (1): 65 (1939).
40. **Dendrocnide subclausa** (C.B. Rob.) Chew, **comb. nov.**  
*Laportea subclausa* C.B. Rob. loc. cit. 486 (1911), **basionym**.—*L. pendula* Merr. Philip. J. Sc. Bot. 13: 270 (1918).
41. **Dendrocnide subglabra** (Hay.) Chew, **comb. nov.**  
*Laportea subglabra* Hay. J. Coll. Sc. Tokyo 30 (1): 278 (1911), **basionym**.
42. **Dendrocnide subpeltata** (C.B. Rob.) Chew, **comb. nov.**  
*Laportea subpeltata* C.B. Rob. loc. cit. 485 (1911), **basionym**.



43. **Dendrocide ternatensis** (Miq.) Chew, **comb. nov.**  
*Laportea ternatensis* Miq. Ann. Mus. Bot. Lugd. Bat. 4: 302 (1869), **basionym**.—*L. glabra* Ridl. Trans. Linn. Soc. Bot. 9: 150 (1916).—*L. mammosisetosa* Winkl. Bot. Jahrb. 57: 507 (1922).—*L. crenulata* Wedd. var. *nervosa* Winkl. loc. cit., p.p.
44. **Dendrocide torricellensis** (Laut.) Chew, **comb. nov.**  
*Laportea torricellensis* Laut. in K. Sch. & Laut. Nachtr. Fl. Schutzgeb. 251 (1905), **basionym**.
45. **Dendrocide urentissima** (Gagn.) Chew, **comb. nov.**  
*Laportea urentissima* Gagn. Bull. Soc. Bot. Fr. 75: 3 (1928), **basionym**.
46. **Dendrocide venosa** (Elm.) Chew, **comb. nov.**  
*Laportea venosa* Elm. Leaflet. Philip. Bot. 3: 878 (1910), **basionym**.—*L. monticola* Merr. Philip. J. Sc. Bot. 10: 299 (1915).—*L. triplinervia* Merr. loc. cit. 300 (1915).—*L. con-duplicata* Elm. Leaflet. Philip. Bot. 9: 3237 (1934).
47. **Dendrocide vitiensis** (Seem.) Chew, **comb. nov.**  
*Laportea vitiensis* Seem. Fl. Vit. 239. tab. 60 (1868), **basionym**.
48. **Dendrocide warburghii** (Winkl.) Chew, **comb. nov.**  
*Laportea warburghii* Winkl. Bot. Jahrb. 57: 509 (1922), **basionym**.

**DISCOCNIDE** Chew, **gen. nom. nov.**

*Discocarpus* Liebm. Dansk. Vidensk. Selsk. Skrift. ser. 5. 2: 308 (1851), non Klotzsch (1841), **basionym**.—*Laportea* sect. *Discocarpus* Liebm. Wedd. Arch. Mus. Hist. Nat. Paris 9: 132 (1856) et DC. Prodr. 16 (1): 84 (1869).—*Urticastrum* Heist. ex Fabricius sensu O.K. Rev. Gen. Pl. 634 (1891), p.p. exclu. typ. sp.

Monoecious perennial shrubs with irritant hairs. *Leaves* chartaceous, dentate. *Stipules* intra-petiole, wholly connate, often rather foliaceous. *Male flowers* with 5 tepals and 5 stamens. *Female flowers* pedicellate; pedicels simple, neither winged nor fleshy. *Achenes* flattened, almost round discs with very thin papery wall. *Seed* narrow elliptic, on a thin, equally long stalk; visible through achene wall.

Lectotype sp.: *Discocarpus mexicanus* Liebm.

= *Discocnide mexicana* (Liebm.) Chew.

Distribution: Central America.

1. **Discocnide mexicana** (Liebm.) Chew, **comb. nov.**

*Discocarpus mexicanus* Liebm. Dansk. Vidensk. Selsk. Skrift. ser. 5. 2: 309 (1851), **basionym**.—*D. nicaraguensis* Liebm. *loc. cit.*—*Urera platycarpa* Wedd. Ann. Sc. Nat. ser. 3. 18: 202 (1852).—*Laportea platycarpa* (Wedd.) Wedd. Ann. Sc. Nat. ser. 4. 1: 182 (1854).—*L. liebmanni* Wedd. Arch. Mus. Hist. Nat. Paris 9: 133 (1856).—*L. mexicana* (Liebm.) Wedd. DC. Prodr. 16 (1): 84 (1869).—*L. nicaraguensis* (Liebm.) Wedd. *loc. cit.* (1869).—*Urticasterum mexicanum* (Liebm) O.K. *loc. cit.* (1891).—*U. nicaraguense* (Liebm.) O.K. *loc. cit.* (1891).