

Family 79. AMARANTHACEAE

Revision:

Backer, CA. 1949. *Amaranthaceae*. Flora Malesiana series 1, 4: 69-98; idem, 1, 6 (1972) 915-917.

1. *Achyranthes* Linnaeus

1. *Achyranthes aspera* L., Sp. Pl. (1753) 204; --Merr., Fl. Manila (1912) 195; EPFP 2 (1923) 131; --Backer, Fl. Males. ser. 1, 4 (1949) 88.

2. *Achyranthes bidentata* Blume, Bijdr. (1825) 545; --Merr., EPFP 2 (1923) 131; --Backer, Fl. Males. ser. 1, 4 (1949) 88.

Aerua =Aerva

2. *Aerva* Forsskål

1. *Aerva lanata* (L.) JUSS., Ann. Mus. Paris 11 (1808) 131; --Merr., Fl. Manila (1912) 194; EPFP 2 (1923) 130; --Backer, Fl. Males. ser. 1, 4 (1949) 84, f. 5.

2. *Aerva sanguinolenta* (L.) Blume, Bijdr. (1825) 547; --Backer, Fl. Males. ser. 1, 4 (1949) 85. *Aerva scandens* Wall., Cat. (1829) 6911, *nomen*; --Moq. in DC, Prodr. 13, 2 (1849) 302; --Merr., EPFP 2 (1923) 130.

3. *Allmania* R Brown ex Wight

1. *Allmania nodiflora* (L.) R Br. [*in* Wall., Cat. (1832) 6890, *nom. nud.*] ex Wight *in* Hook., London J. Bot. 1 (1834) 226, t. 128; --Backer, Fl. Males. ser. 1, 4 (1949) 74, 593. *Allmania albida* R Br. *in* Wall., Cat. (1832) No. 6981, *nom. nud.*; --Merr., EPFP 2 (1923) 127.

4. *Alternanthera* Forsskål

1. *Alternanthera bettzickiana* (Regel) Nichols, Illust. Dict. Gard. 1 (1884) 59 ('bettzchiana'); --Veldk., Blumea 19 (1971) 169. *Alternanthera ficoidea* (L.) R Br. ex Roemer & Schultes, Syst. 5 (1819) 555, *nom. illegit., non* A. ficoidea P. Beauv., Fl. Oware & Benin (1818). *Alternanthera ficoidea* var. *versicolor* (Regel) Backer, Fl. Males. ser. 1, 4 (1949) 93. *Alternanthera versicolor* Regel, Gartenfl. (1869) 101; --Merr., Fl. Manila (1912) 192; EPFP 2 (1923) 132.

2. *Alternanthera paronychioides* St. Hil., Voy. Brésil 2, 2 (1833) 43; --Veldk., Blumea 19 (1971) 167, f. 6-8; --Bakh.f. & Veldk., Addenda & Corr., Fl. Males. ser. 1, 6 (1972) 916, f. 1
var. *paronychioides*

3. *Alternanthera philoxeroides* (Mart.) Griseb. *in* Goett, Abh. 24 (1879) 36; --Backer, Fl. Males. ser. 1 (1949) 93.

4. *Alternanthera sessilis* (L.) DC, Cat. Hort. Monsp. (1813) 77; R Br. ex Sweet, Hort. Suburb. Lond. (1818) 48; Roth *in* Roemer & Schultes, Syst. 5 (1819) 554; --Merr., Fl. Manila (1912) 191; EPFP 2

(1923) 132; --Backer, Fl. Males. ser. 1, 4 (1949) 92, f. 7; op. cit. p. 594. .

5. *Amaranthus* Linnaeus

1. ***Amaranthus caudatus*** L. ; --Backer, Fl. Males. ser. 1, 4 (1949) 76.

2. ***Amaranthus gracilis*** Desf., Tabl. Enc. Bot. (1804) 43; --Backer, Fl. Males. ser. 1, 4 (1949) 76.
Amaranthus viridis L., Sp. Pl. ed. 2 (1763) 1405; --Merr., Fl. Manila (1912) 193; EPFP 2 (1923) 128.
There is as yet no unanimity of opinion as to the correct name for this species.

3. ***Amaranthus hybridus*** L., Sp. Pl. (1753) 990

ssp. incurvatus (Gren. & Godr.) Brenan

var. paniculatus (L.) Mansf.

Amaranthus hybridus L. ssp. *cruentus* (L.) Thell. var. *paniculatus* (L.) Thell. in *Asch. & Gr. Syn.* 5, 1 (1914) 247; --Backer, Fl. Males. ser. 1, 4 (1949) 79.

Amaranthus paniculatus L., Sp. Pl. ed. 2 (1763) 1406; --Merr., EPFP 2 (1923) 128.

Amaranthus caudatus Merr., Fl. Manila (1912) 193, *non* L.

4. ***Amaranthus lividus*** L., Sp. Pl. (1753) 990; --Backer, Fl. Males. ser. 1, 4 (1949) 77.

5. ***Amaranthus tricolor*** L., Sp. Pl. (1753) 989; --Merr., EPFP 2 (1923) 128; --Backer, Fl. Males. ser. 1, 4 (1949) 77, f. 2.

6. ***Amaranthus spinosus*** L., Sp. Pl. (1753) 991; --Merr., Fl. Manila (1912) 192; EPFP 2 (1923) 128; --Backer, Fl. Males. ser. 1, 4 (1949) 78.

Pantropic ubiquitous. Throughout Malesia and the Philippines where it is probably introduced. Weed in open waste lands, roadsides, fields, gardens, etc., gregarious and abundant along sand bars and margins of streams, 0-1400m.

6. *Celosia* Linnaeus

1. ***Celosia argentea*** L., Sp. Pl. (1753) 205; --Merr., Fl. Manila (1912) 190; EPFP 2 (1923) 127; --Backer, Fl. Males. ser. 1, 4 (1949) 73.

var. argentea

Pantropic ubiquitous weed, wild but non-native, possibly introduced from tropical Africa. Throughout the Philippines at low and medium altitudes in the settled areas. Very common along sandy-gravelly river banks, open dry roadsides, fields, gardens, etc.

var. cristata L.

Celosia cristata L., Sp. Pl. (1753) 205; --Merr., EPFP 2 (1923) 127.

Pantropic in cultivation for ornamental purposes. Also sometimes running wild but not far from human habitation.

7. *Cyathula* Blume (*non* Loureiro)

1. ***Cyathula prostrata*** (L.) Blume, *Bijdr.* (1825) 549; --Merr., Fl. Manila (1912) 194; EPFP 2 (1923) 129; --Backer, Fl. Males. ser. 1, 4 (1949) 82, f. 4.

var. prostrata

Africa to China and Australia, probably introduced in C America. Throughout Malesia

and the Philippines. In the settled areas, 1-1650 m, common in shaded localities, along roadsides, waste places, thickets, plantation forests, forest-edges, secondary forests, often gregarious.

var. lancifolia (Merr.) Backer, Fl. Males. ser. 1, 4 (1949) 83; --*Cyathula lancifolia* Merr., PJS 11 c (1916) Bot. 179; EPFP 2 (1923) 129.

8. *Deeringia* R Brown

1. *Deeringia amaranthoides* (Lam.) Merr., Interp. Herb. Amb. (1917) 211; --Merr., EPFP 2 (1923) 126; --Backer, Fl. Males. ser. 1, 4 (1949) 71, f. 1.
Deeringia baccata Moq. in DC, Prodr. 13² (1849) 236; --Merr., Fl. Manila (1912) 190.

2. *Deeringia polysperma* (Roxb.) Moq., Prodr. 13² (1849) 236; --Merr., EPFP 2 (1923) 126; --Backer, Fl. Males. ser. 1, 4 (1949) 72.
Deeringia polysperma var. *pubescens* (Schinz) Merr., EPFP 2 (1923) 126.
Sumatra, Peninsular Malaysia, Java, Philippines, Sulawesi, **Kabaena**, Moluccas, New Guinea. BATANES to MINDANAO and PALAWAN. Thickets, light forests, forest edges, low to medium altitudes, ascending to 1800m in Benguet. Much rarer than *D. amaranthoides*.

9. *Digeria* Forsskål

1. *Digeria muricata* (L.) Mart., Beitr. Amar. (1825) 77, no. 2; --Backer, Fl. Males. ser. 1, 4 (1949) 80, f. 3.

10. *Gomphrena* Linnaeus

1. *Gomphrena celosioides* Mart., Beitr. Amar. (1825) 93;
Native of tropical America, introduced in tropical and S Africa, India and Australia. Now widespread in Malesia. Throughout the Philippines. Gregarious mat-forming weed along roadsides, abandoned fields, wastelands, and other similar hot, dry and dusty sites at low altitudes.

1. *Gomphrena globosa* L., Sp. Pl. (1753) 224; --Merr., Fl. Manila (1912) 191; EPFP 2 (1923) 132; --Backer, Fl. Males. ser. 1, 4 (1949) 95, f. 8.
Native of tropical America, now pantropic. Introduced long ago in Malesia, either cultivated or semi-naturalized. Throughout the settled areas of the Philippines in cultivation, often occurring as an escape. Lowlands to c.1300m.

11. *Iresine* P. Browne

1. *Iresine herbstii* JD Hook., Gard. Chron. (1864) 654, 1206; --Merr., EPFP 2 (1923) 132; --Backer, Fl. Males. ser. 1, 4 (1949) 97.

12. *Psilotrichum* Blume

1. Psilotrichum ferrugineum (Roxb.) Moq. *in* DC, Prodr. 13, 2 (1849) 279; --Backer, Fl. Males. ser. 1, 4 (1949) 90, f. 6.
Psilotrichum trichotomum Blume, Bijdr. (1825) 545; --Merr., EPFP 2 (1923) 130.

13. Pupalia Jussieu

1. Pupalia lappacea (L.) Juss., Ann. Mus. Paris 2 (1803) 132; --Merr., EPFP 2 (1923) 129; --Backer, Fl. Males. ser. 1, 4 (1949) 83.
Pupalia atropurpurea (Lam.) Moq. *in* DC, Prodr. 13² (1849) 331; --Merr., Fl. Manila (1912) 193.