

Review**A CHECKLIST OF PHILIPPINE ERICACEAE****George Argent**

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The family Ericaceae are still very imperfectly known in the Philippines despite an accumulation of recent collections. *Rhododendron* because of its horticultural importance and mostly large flowers is relatively well known but some of the older species have still to be recollected so that they can be better assessed. Species such as *R. taxifolium*, *R. mendumiae* and *R. wilkei* are only known from very small areas of montane forest. These forests are under threat from El Niño drought events, and these species endemic to them could easily become extinct. The small flowered *Rhododendron quadrasianum* has very complex variation and badly needs more field study. *Diplycosia* with its small and often insignificant flowers needs further and better collections for a revision of the species as does the *Gaultheria leucocarpa* complex. *Vaccinium* with 32 species is the largest genus in the family. It also needs a great deal of further study. The account in Flora Malesiana (Sleumer, 1966) is difficult to use for the Philippine species and a field key is needed so that the species can be accurately named for conservation assessments.

Dimorphanthera*D. apoana* (Merr.) Schltr. Bot. Jahb. (1918) 55: 185.var. *apoana**(Vaccinium apoanum)* Merr. Publ. Gov. Bot. Lab. Philip. 1905. 29: 39.*(Vaccinium calelanum)* Elm. Leaf. Philip. Bot. 1911. 3: 1096. Mindanao, Negros, Panay.var. *mindanaensis* (Merr.) Stevens J. Arn. Arb. 1977. 58: 439.*(Dimorphanthera mindanaensis)* Merr. Philip. J. Sc. 1922. 20: 418.

Mindanao, Mt. Malindang and Mt. Lipa.

Diplycosia*D. apoensis* Elm. Leaf. Philip. Bot. 1911. 3: 1101.

Mt. Calelan, Davao; Mt. Lipa, Bukidnon, Mindanao.

D. heterophila Blume Bijdr. (1826) 858. var. *latifolia* (Blume) Sleumer Reinwardtia

(1957) 4: 156.

(D. baclayensis) Elm, Leaf. Philip. Bot. 1911. 3: 1100. Mindanao. (Sumatra, Peninsula Malaysia, Java, Borneo).*D. loheri* Merr. Philip. J. Sc. 1925. 27: 44.

Nueva Vizcaya Province, Caraballo Mts., Luzon.

D. luzonica (A.Gray) Merr. Philip. J. Sc. Bot. 1907. 2: 293.var. *luzonica*

Luzon, widespread; Biliran Is.; Mt. Mariguison, Catanduanes; Negros; Mt.

Malindang, Mindanao.

var. *pubens* Sleumer Reinwardtia 1957. 4: 143.

Mt. Pulag-Pulogloco; Mt. Pulag, Benquet Prov. Luzon.

var. *calelanensis* (Elm.) Sleumer Reinwardtia 1957. 4: 144.

Luzon, widespread; Mt. Mantalingajan, Palawan; Mt. Calelan, Mt. Matutum, Mindanao.

var. *merrittii* (Merr.) Sleumer Reinwardtia 1957. 4: 144.*(D. merrittii)* Merr. Philip. J. Sc. Bot. 190-7. 2: 293).

Mt. Halcon, Mindoro; Mt. Lipa, Mindanao; Mt. Victoria, Palawan.

D. parvifolia Merr. Philip. J. Sc. Bot. 1919. 5: 211

Canlaon Volcano, Negros; Ifugao, Mt. Polis, Luzon.

D. trinervia Elm. Leaf. Philip. Bot. 1911. 3: 1102.var. *trinervia**(D. luzonica* [non (Gray) Merr.] Elm.) Leaf. Philip. Bot. (1911)

3: 1105.

Mt. Calelan, Davao, Mindanao.

var. *urdanetensis* (Elm.) Sleumer Reinwardtia 1957. 4: 143.*(D. urdanetensis)* Elm. Leaf. Philip. Bot. 1915. 7: 2628).

Mt. Urdaneta, Mindanao.

Gaultheria*G. borneensis* Stapf Trans Linn. Soc. II, Bot 1894. 4: 190, t. 15, fl C 4-6.*(G. itoana)* Hayata Mat. Fl. Formosa 1908. 150, t. 25).*(G. benguetensis)* H.F. Copel. Philip. J. Sc. 1932. 47: 58, pl.1, f. 4 & 5).

Central Mt. Province, Luzon.

G. leucocarpa Blume Bijdr. 1826. 856.var. *leucocarpa* forma *cumingiana* (Vidal) Sleumer, Reinwardtia 1957. 4: 179.

Luzon, widespread. (Myanmar, S.W. and C. China, Thailand, Vietnam, Formosa, W. Malaysia, Sumatra, Java).

var. *psilocarpa* (H.F. Copel.) Sleumer Reinwardtia 1957. 4: 183.*(G. psilocarpa)* H.F. Copel. Philip. J. Sc. 1932. 47: 62 t. 1, f. 3).

(*G. cumingiana* (non Vidal) Merr. Philip. J. Sc. Bot. 1907. 2: 292.

Luzon (S), Mindanao, Negros.

Rhododendron

- R. acrophilum* Merr. & Quisumb., Philip. J. Sc. 1953. 82: 333.
Mt. Mantalingajan, Palawan.
- R. apoanum* Stein Gartenflora 1885. 34: 194, t.1196.
Mt. Apo, Mindanao.
- R. bagobonum* H.F.Copel. Philip. J. Sc. 1929. 40: 151, t.4, f.1-2.
(*R. cuneifolium* Stapf, var. *subspathulatum* Ridl.) J. St. Br. R. As. Soc. 1900. n.33, 23.
(*R. galioides* J.J.Sm.) Bull. Jard. Bot. Btzg. 1935. III, 13, 445.
Mt. Apo, Mindanao; Mt. Hibok Hibok, Camiguin Is.; Mt. Mantalingajan, Palawan.
- R. brachygynum* H.F.Copel. Philip. J. Sc. 1929. 40: 137, 165, t.11, f.4-6.
Cebu.
- R. edanoi* Merr. & Quisumb. Philip. J. Sc. 1953. 83: 333.
(*R. pneumonanthum* Sleumer), (Borneo) Reinwardtia (1960) 5: 132.
ssp. *edanoi*. Mt. Mantalingajan, Thumb Peak, Cleopatra Needle, Palawan.
Borneo, widespread (as ssp. *pneumonanthum* (Sleumer) Argent.
- R. jasminiflorum* Hook. Bot. Mag. (1850) t.4524.
var. *copelandii* (Merr.) Sleumer Reinwardtia 1960. 5: 130.
Mt. Apo, Mindanao.
- R. javanicum* (Blume) Benn., in Benn. & Br., Pl. Jav. Rar. 1838. 85 (excl. t.19).
ssp. *palawanense* Argent Gard. Bull. Sing. 2004. 56: 90-91.
Palawan.
ssp. *schadenbergii* (Warb.) Argent Rhododendrons of Subgenus Vireya, 2006. 247.
Abra Province, Luzon; Mt. Apo, Mindanao.
- R. kochii* Stein Gartenflora 1885. 34: 193, t.119.
Mt. Apo, Mindanao; Luzon; Mindoro; Negros. Widespread.
- R. leytnense* Merr. Philip. J. Sc. Bot. 1915. 10: 55.
Mt. Lobi, Leyte; Mt. Hibok Hibok, Camiguin.
var. *loheri* (H.F.Copel.) Sleumer, Reinwardtia (1969) 5: 218.
Guinuisan, Rizal, Luzon.
- R. loboense* H.F. Copel., Philip. J. Sc. 1929. 137, 172, t.15, f.3 t.16, f. 5-6
Batangas Province, Lobo Mts. Luzon; Mt. Hibok-Hibok, Misamis Oriental Province, Camiguin Island,; Mt. Halcon,

Mindoro.

- R. madulidii* Argent The New Plantsman 1998. 5: (4) 204.
Mt. Mantalingajan, Palawan.
- R. mendumiae* Argent Gard. Bull. Sing. 2004. 56: 82, f.2.
Cleopatra Needle, Palawan.
- R. mindanaense* Merr. Publ. Gov. Lab. Philip. 1905. n. 29, 41.
Mt. Apo, Mindanao.
- R. nortoniae* Merr. Phil. J. Sc. 1906. 1, Suppl. 220.
(*R. catanduanense* Merr.), in H.F.Copel., Philip. J. Sc. 1929. 40: 149, t.2, f.5-6.
Near Lake Lanao, Mindanao; Mt. Mariguicon, Catanduanes; Dumaguete, Cuernos Mts, S. Negros.
- R. quadrasianum* Vidal Rev. Pl. Vas. Filip. 1886. 170.
var *quadrasianum*
Mayon Volcano, Albay Prov. Luzon; Mt. Isarog, Mindoro.
- var. *davaoense* (H.F.Copel.) Sleumer Reinwardtia 1960. 5: 65.
= *R. quadrasianum* Vidal, f. *davaoense* H.F. Copel. Philip. J. Sc. 1929. 40: 143, t. 1 f. 9,10.
= *R. quadrasianum* Vidal, f. *negrosense* H.F.Copel. Philip. J. Sc. 1929. 40: 142, t. 1, f. 6.
Leyte; Mindanao, Negros; S. Luzon.
- var. *intermedium* Merr. Philip. J. Sc. Bot. 1908. 3: 382.
Mt. Tapulao, Mt. Pinatubo; Mt. Sisipatan; Mt. Paraga, Luzon.
- var. *malindangense* (Merr.) H.F.Copel. Philip. J. Sc. 1929. 40: 142, t.1,f. 7-8.
= *R. malindangense* Merr. Philip. J. Sc. Bot., 1908. 3: 256,381.
Camiguin Is., Mindanao.
- var. *marivelesense* (H.F.Copel.) Sleumer Reinwardtia .1960. 5: 66.
= *R. quadrasianum* Vidal, f. *marivelesense* H.F.Copel., Philip. J. Sc. 1929. 40: 141, t.1, f.3, 3-4.
Luzon, Mindoro.
- var. *rosmarinifolium* (Vidal) H.F.Copel. Philip. J. Sc. 1929. 40: 144, t.1 f. 13-18.
(*R. rosmarinifolium* Vidal) Rev. Pl. Vasc. Filip. 1886. 172.
(*R. cuneifolium* (non Stapf), Rendle) J. Bot. .1896. 34: 355.
(*R. quadrasianum* Vidal var. *intermedium* Merr.) Philip. J. Sc. Bot. 1908. 382.
(f. *banahaoense* H.F.Copel.) Philip. J. Sc. 1929. 40: 145, t.1f.24.
(f. *halconense* H.F.Copel.) Philip. J. Sc. 1929. 40: 141, t.1,f.5.
(f. *pulogense* H.F.Copel.) Philip. J. Sc. 1929. 40: 144, t.1, f.19-23.
Mindoro, Biliran; Luzon, Negros.

- R. reynosoi* Argent Gard. Bull. Sing. 2004. 56: (1 & 2) 84, f.3.
Cleopatra Needle, Palawan.
- R. rousei* Argent & Madulid The New Plantsman 1998. 5: (1), 25-31.
Mt. Guiting Guiting, Sibuyan Island, (Romblon Province).
- R. x sarcodes* Argent & Madulid The New Plantsman 1995. 2: (3), 156-161.
Mt. Apo, Mindanao.
- R. sessile* Rendle J. Bot. 1896. 34: 357.
Luzon.
- R. taxifolium* Merr. Philip. J. Sc. 1926. 30: 419.
Mt. Pulag, Luzon.
- R. vidalii* Rolfe J. Bot. 1886. 24: 348.
ssp. *vidalii*
Luzon, widespread; Mt. Halcon, Mindoro.
ssp. *brachystemon* Argent, Folia Malesiana (2003) 4: 2, 101-128.
Mt. Halcon, Mindoro.
- R. whiteheadii* Rendle, J. Bot. 1896. 356. (see Sleumer 1973, Blumea 21: (2), 357).
Mt. Polis, Mt. Tabayoc, Mt. Pulag, Mt. Tapulao, Luzon.
- R. wilkei* Argent Gard. Bull. Sing. 2004. 56: 1 & 2, 88, f.4.
Thumb Peak, Palawan.
- R. williamsii* Merr. ex H.F.Copel. Philip. J. Sc. 1929. 40: 137, 163. t. 9, t.11, f.2.
Mountain Province and Zambales Province, Luzon.
- R. xanthopetalum* Merr. Publ. Gov. Lab. Philip. 1905. n.29, 41.
Mt. Mariveles; Montalban, Carballo Sur Mts., Luzon; Ibolo?
Mindoro,
- R. zollingeri* J.J.Sm. Ic. Bog. 1910. 4: 73, t.322.
Luzon, widespread. Indonesia: Central and East Java,
Sulawesi.

Vaccinium

- V. agusanense* Elm. Leaf. Philip. Bot. 1915. 7: 2630.
Mindanao.
- V. alvarezii* Merr. Philip. J. Sc. Bot. 1909. 4: 304.
Luzon.
var. *moisense* H.F.Copel. Philip. J. Sc. 1930. 42: 564.
Mt. Moises, Luzon.
- V. banksii* Merr. Publ. Gov. Lab. Philip. 1906. 35: 54.
Canlaon volcano, Negros.
- V. barandanum* Vidal Rev. Pl. Vasc. Filip. 1886. 169.
var. *barandanum*
Luzon.
var. *hutchinsonii* (Merr.)H.F. Copel. Philip. J. Sc. 1930. 42: 558.
(*V. hutchinsonii* Merr. Philip. J. Sc. Bot. 1907. 2: 294.
Mt. Halcon, Mindoro.
var. *cagayanense* H.F.Copel. Philip. J. Sc. 1930. 42: 557.

- Luzon.
- V. benguetense* Vidal Rev. Pl. Vasc. Filip. 1886. 168.
Luzon, Panay.
- V. brachytrichum* Sleumer Blumea 1961. 11: 78.
Mt. Capoas, Palawan.
- V. camiguinense* Merr. Philip. J. Sc. Bot. 1912. 7: 321.
Mt. Mahinog, Camiguin Is., Mindanao.
- V. caudatum* Warb. in Perk. Fragm. Fl. 1905. 173.
Leyte, Luzon, Mindanao, Mindoro, Panay.
- V. cumingianum* Vidal Rev. Pl. Vasc. Filip. 1886, 167.
Luzon.
var. *igorotorum* H.F.Copel. Philip. J. Sc. 1930. 42: 586.
Mountain Prov. Luzon.
var. *marivelesense* H.F.Copel. Philip. J. Sc. 1930. 42: 586.
(*V. igorotorum* H.F. Copel.) ex Elm. Leaf. Phil. Bot. 1933.
9: 3142 *nom. nud.*
Bataan, Zambales and Pampanga Provinces, Luzon.
var. *pyriforme* (Merr.)H.F.Copel. Philip. J. Sc. 1930. 42, 586.
(*V. pyriforme* Merr.) Philip. J. Sc. 1907. 2: 295.
Bataan, Zambales and Pampanga Provinces, Luzon.
- V. elegans* Elm. Leaf. Philip. Bot. 1911. 3: 1093.
Mt. Apo, Mt. Katanglad, Mindanao.
- V. epiphyticum* Merr. Philip. J. Sc. Bot. 1912. 7: 322.
Sax R. Mts. Zamboanga Province.
- V. gitingense* Elm. Leaf. Philip. Bot. 1912. 4: 1490.
Dinagat I., Mindanao, Sibuyan.
- V. halconense* Merr. Philip. J. Sc. Bot. 1907. 2: 294.
Luzon, Mindanao, Mindoro, Negros.
- V. indutum* Vidal Rev. Pl. Vasc. Filip. 1886, 169.
Luzon.
- V. irigaense* Merr. Philip. J. Sc. Bot. 1915. 10: 52.
Biliran Is., Catanduanes, Camarines Sur and Sorsogon
Provinces, Luzon.
- V. jagori* Warb. in Perk. Fragm. Fl. Philip. 1905. 174.
Luzon.
- V. luzoniense* Vidal Rev. Pl. Vasc. Filip. 1886. 168.
Mt. Province, Luzon.
- V. microphyllum* Reinw. ex Blume Bijdr. 1826. 851.
(*V. mindorensis* Rendle J. of Bot. 1896. 34: 355).
Luzon, Mindanao, Mindoro, Negros, Panay. (Halmahera,
Maluku, Indonesia).
- V. myrtilloides* (Blume) Miq. Fl. Ind. Bat. 1859. 2: 1062.
(including var. *celebicum* J.J.Sm. Med. Rijksherb. 1916. 30:7).
(*Thibaudia myrtilloides* Blume Bijdr. 1826. 861).

- (*Agapetes myrtooides* (Blume) G. Don, Gen. Syst. 1834. 3: 863).
(*V. microphyllum* (non Reinw. ex Blume) F.-Vill. Nov. App. 1880. 121 p.p.).
(*V. varingiaefolium* [(non Blume)Miq.] Vidal, Sinopsis Atl. 1883. 30, t. 60, f.D).
(*V. villarii* Vidal, Rev. Pl. Vasc. Filip. 1886. 166).
Luzon, Mindanao, Mindoro. (Maluku, N. Sulawesi, Indonesia).
- V. nitens* Sleumer Blumea 1961. 11: 97.
Mt. Yagaw, Mindoro.
- V. oscarlopezianum* L. Co Ed. J. Bot. 2002. 59: (3), 373.
Sierra Madre Mts. Luzon.
- V. palawanense* Merr. Philip. J. Sc. Bot. 1908. 3: 373.
Mt. Apo, Mindanao; Mt. Victoria, Palawan.
var. *foxworthii* (H.F.Copel.) Sleumer, Blumea 1961. 11: 73.
(*V. foxworthii* H.F.Copel.) Philip. J. Sc. 1930. 42: 580, p.p.
Mt. Victoria, Palawan.
- V. perrigidum* Elm. Leaf. Philip. Bot. 1911. 3: 1094.
Mindanao.
- V. philippinense* Warb. in Perk. Fragm. Fl. Philip. 1905. 174.
Luzon.
- V. platyphyllum* Merr. Philip. J. Sc. Bot. 1917. 12: 294.
Luzon.
- V. pseudocaudatum* Sleumer Blumea 1961. 11: 103.
Mindanao.
- V. sylvaticum* Elm. Leaf. Philip. Bot. 1911. 3: 1095.
Mindanao.
- V. tenuipes* Merr. Philip. J. Sc. Bot. 1908. 3: 375.
Luzon, Mindoro, Negros, Panay.
- V. trichocarpum* Sleumer Blumea 1961. 11: 47.
Mt. Mayo, Mt. Hilong-Hilo, Mindanao.
- V. vidalii* Merr. & Rolfe Philip. J. Sc. Bot. 1908. 3: 374.
Luzon.
- V. whitfordii* Merr. Philip J. Sc. Bot. 1907. 2: 295.
Leyte, Luzon, Mindoro, Negros.
- V. woodianum* H.F.Copel. Philip. J. Sc. 1930. 42: 591.
Mt. Halcon, Mindoro.

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