

Family 75. RAFFLESiaceae

Literature:

- Meijer, W. 1997. *Rafflesiaceae*. Flora Malesiana series 1, 13: 1-42.
- Nais, J. 2001. *Rafflesia of the World*. Sabah Parks, Kota Kinabalu
- Fernando, ES & PS Ong. 2005. *The genus Rafflesia R. Br. (Rafflesiaceae) in the Philippines*. Asia Life Sciences 14 (2): 263-270.
- Barcelona, JF, PB Pelsner, DS Balete & LL Co. 2009. *Taxonomy, ecology, and conservation status of Philippine Rafflesia (Rafflesiaceae)*. Blumea xxxx

1. *Rafflesia* R Brown

Rafflesia aurantia Barcelona, Co & Balete, Gard. Bull. Sing. 61(1) (2009) 18, Fig. 1-3. --Type: Bartolome & Balete 2543 (PNH, holo, spirit collection, 1 male and 1 female flowers; iso: PUH, SING, US). Luzon: Quirino prov., Sierra Madre Mtn Range, Quirino Protected Landscape, Nagtipunan municip., Barangay Matmad, Sitiio Mangitagud, 16°03'22.5"N, 121°28'39.7"E, altitude c. 450m, disturbed lowland dipterocarp forest, c. 5m away from embankment of boulder-strewn creek, 11 Jun 2004.

LUZON: Quirino (Nagtipunan). Known only from the type collection.

Rafflesia baletei Barcelona, Cajano & Soligam-Hadsall, Kew Bull. (2006) 231-237, Fig. 1-5. --Type: Candelaria et al. 5526 (PNH, holo; iso: CAHUP, K, SING, US). Luzon: Camarines Sur prov., Ocampo municip., *Barangay* del Rosario, Mt Isarog National Park, ridge above Luksohon River (*loco dicto*), secondary forest dominated by abaca (*Musa textilis* Nees), altitude 545-560m, 14 Mar 2005.

LUZON: Camarines Sur (Mt Isarog National Park, ridge along Luksohon and Tabuan Rivers; Mt Iriga). Rocky riparian habitats and secondary vegetation covered with *Musa textilis* and bamboos, altitude 500-560m. Peak flowering from December to May.

Rafflesia leonardi Barcelona & Pelsner, Blumea 53 (2008) 223, Fig. 1, plate 1. --Type: Barcelona et al. 3355 (PNH, holo; iso: L, US, PUH). Luzon: Cagayan prov., Baggao, Bolos Point. Lowland dipterocarp forest, altitude 270-300m.

Rafflesia banaoana Malabrigo, Asia Life Sciences

LUZON: Kalinga-Apayao (Balbalasang National Park), Cagayan (Baggao, Bolos Point). Known from six populations at the type locality, along river and stream banks on thin soil and rocky substrates. Recorded on *Tetrastigma* cf. *loheri* Gagnep., on both exposed roots and climbing parts of its host, occasionally reaching a height of c. 10m above ground level.

Rafflesia lobata Galang & Madulid, Folia Malaysiana 7 (2006) 1, pl. 1, 3-8. --Type: Galang et al. 001 (PNH, holo, spirits) Igtuog, 24 Jun 2006.

PANAY: Antique (Pandan, Mt Igtuog; Sebaste, Mt Sakpaw), Iloilo (Leon, Mt Agua Coloña). Intact to severely degraded rainforests, altitude 400-800m, mostly in gullies, on roots and climbing shoots of its host. Flowering the whole year round but optimally said to be between Feb-Jun.

Rafflesia lagascae Blanco, Fl. Filip. ed. 2 (1845) 595; --Merr., EPFP 2 (1923) 120, *pro parte*, as to Luzon plants only; --Pancho, Vasc. Fl. Mt Makiling & Vicinity 1 (1983) 312; --Meijer, Fl. Males. ser. 1, 13 (1997) 27, *pro parte*, as to Luzon plants only. --Type: *Azaola* *sn* (not extant). --Neotype: Merrill Sp. Blancoanae 535 (leg. WH Brown) (US*, barcode 904212, holo, here designated). Luzon: Laguna prov., Mt Makiling,

Rafflesia panchoana Madulid, Buot & Agoo, Acta Manillana 55 (2008, '2007') 43. --Type: Merrill Sp. Blancoanae 535 (leg. WH Brown) (US*, barcode 904212, holo, cited in error in the protologue as 'US0090412').

LUZON: Cagayan (Bolos Point), Bataan (Mt Natib), Laguna (Mt Makiling; Majayjay), Quezon (General Nakar, Mt Kayapo; Mt Banahaw), Camarines Norte (Mt Labo).

Lowland and hill forests, up to c. 1000m.

Rafflesia manillana Teschem., Boston J. Nat. Hist. 4 (1841) 63, t. 6; --Madulid & Agoo, Philip. Samar), Basei (=Basey).

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SAMAR: Western Samar (Basey). Lowland forests, up to c. 1000m.

Rafflesia mira Fernando & Ong, Asia Life Sciences 14 (2005) 267, Fig. 1-2. --Type: Fernando & Ng 1654 (LBC, holo). Mindanao: Compostela Valley prov., Mt Candalaga, midmontane forest, altitude c. 900m, on steep slopes c. 15m from a waterfall, parasitic on *Tetrastigma loheri* Gagnep.

Rafflesia magnifica Madulid, Tandang & Agoo, Acta Manillana 53 (2005) 1, Fig. 1-3. --Type: PNH 173373 Badilla (PNH, holo). Mindanao: Compostela Valley prov., Maragusan municip., Barangay New Leyte, Mt Candalaga, lowland evergreen forest, altitude 880-900m, parasitic on *Tetrastigma tuberculatum* (Blume) Latiff, fl. Sept-Nov.

MINDANAO: Compostela Valley (Maragusan municip., Mt Candalaga). Known only from the type locality. In semi-open habitats, especially near waterfalls, in mid-montane rain forests at c. 900 m. Recorded hosts: *Tetrastigma loheri* and *T. mutabile* (Blume) Planch. Flowering Aug-Nov.

Rafflesia philippensis Blanco, Fl. Filip. ed. 2 (1845) 565; --Barcelona et al. Blumea 53 (2009) xxx, Pl. 1a, b, 2e, 3b, in press. Type: Azaola s.n. (not preserved); neotype (designated by Barcelona et al. 2009). Barcelona, Cajano & Mendua 3345 (PNH; iso, CAHUP)

Rafflesia banahawensis Madulid, Villariba & Agoo, Philipp. Scientist 43 (2007, '2006') 45. --Type: MEUF 101 (PNH, holo).

Rafflesia banahaw Barcelona, Pelsler & Cajano, Blumea 52 (2007) 346. -- Type: Barcelona, Cajano & Mendua 3345 (PNH, holo; iso in CAHUP).

LUZON: Quezon (Dolores, base of Mt Banahaw). Disturbed lowland dipterocarp forest, on steep slopes, along trails and beside seasonal creeks and rivers on well-drained sandy soil with dense herbaceous covering or thick leaf litter. Known from five populations in the type locality.

Rafflesia schadenbergiana Göppert ex Hieron., Gartenflora 34 (1885) 3, t. 1177; --Merr., EPFP 2 (1923) 121; --Meijer, Fl. Males. ser. 1, 13 (1997) 27. --Type: Schadenberg & Koch *sn* (=Hieronymus *sn*) (K, holo; iso in WRSL). Mindanao: Davao del Sur prov., near Mt Apo, altitude 800m, year 1882.

MINDANAO: South Cotabato (Mt Temlofung), Davao (Mt Apo), Bukidnon (lower slopes of Mt Kitanglad at Baungon). Primary as well as degraded secondary forest,

Rafflesia speciosa Barcelona & Fernando, Kew Bull. 57 (2002) 648, Fig. xxx. --Type: Barcelona 1221 (PNH, holo; iso in LBC). Panay: Antique prov., Sibalom Natural Park, Mt Poras.

PANAY: Antique (Sibalom; Mt Porras; Valderama), Iloilo (Leon), NEGROS: Negros Occidental (Mt Canlaon).

Ined. names: