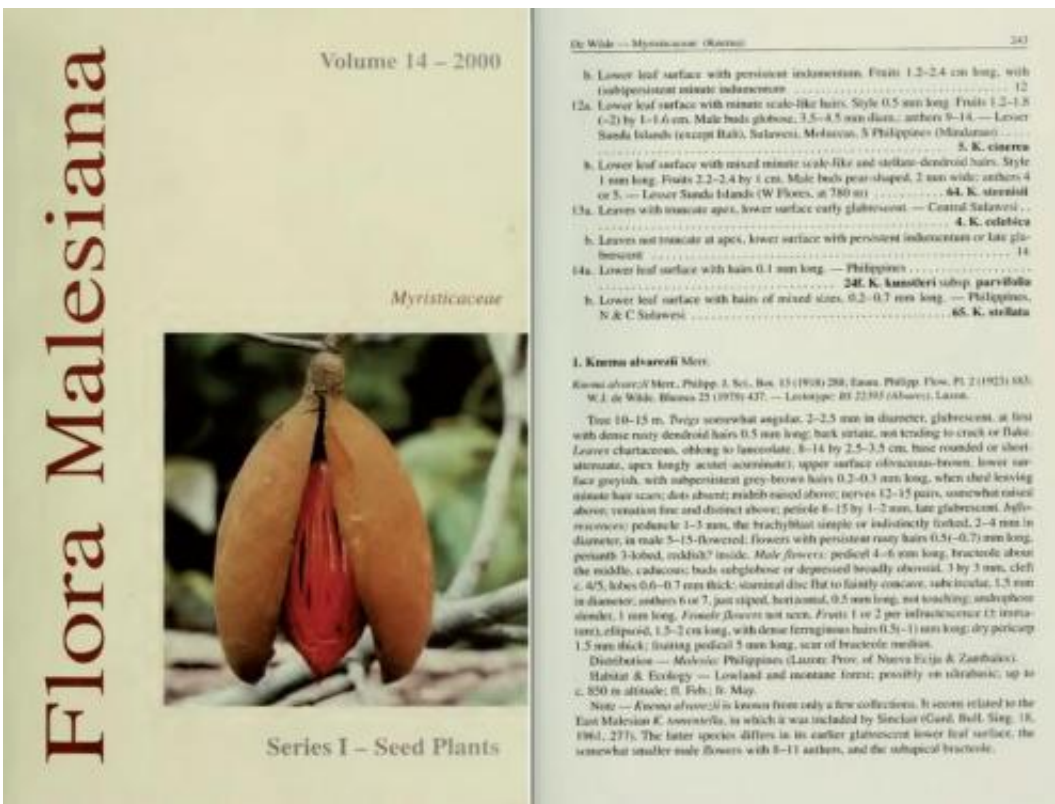


Classical monographs re-published in advanced open access

June 11 2014



This image shows the cover and a page from the traditional print format of Flora Malesiana. Credit: Flora Malesiana

Easy access to legacy data collected over hundreds-of-years of exploration of nature from the convenience of people's own computers for anyone all over the world? It may sound futuristic but a brand new pilot showcases how this is possible here and now.

The new workflow demonstrates a re-publication of a volume of [Flora Malesiana](#) in a semantically enriched HTML edition available on the newly launched, [Advanced Books](#) publishing platform. The platform was demonstrated today at the EU funded [pro-iBiosphere](#) project which supported, in part, the re-publication of Flora Malesiana.

When Linnaeus was laying the foundations of taxonomy as a science in his *Species Plantarum* and *Systema Naturae* books he probably did not imagine that his methods of publication of natural history data would remain almost unchanged for more than 270 years! The bulk of the information on the living World is still closed in paper-based legacy literature, especially in fundamental regional treatises such as Flora, Fauna and Mycota series, hardly accessible for readers, despite the dramatic changes in the publishing technologies that have taken place over the last decade.

The new pilot, developed by [Pensoft Publishers](#) in a cooperation with the Naturalis Biodiversity Center, [Plazi](#), and Botanischer Garten und [Botanisches Museum Berlin-Dahlem](#) (BGBM), demonstrates how a fundamental book in natural history can start a new life with Advanced Books. Re-publication of the Flora of Northumberland & Durham, published in 1838, will be the next to appear as a result of a collaboration between the [Botanical Garden Meise National Botanic Garden](#) of Belgium and Pensoft.

Advanced Books (22 Jun 2014)
doi: 10.3807/ab.2014

Islands (except Bali), Sulawesi, Moluccas, 5 Philippines (Mindanao)		
b	Lower leaf surface with mixed minute scale-like and stellate-dendroid hairs. Style 1 mm long. Fruits 2.2-2.4 by 1 cm. Male buds pear-shaped, 2 mm wide; anthers 4 or 5. — Lesser Sunda Islands (W Flores, at 780 m).	<i>K. olivacea</i>
13a	Leaves with truncate apex, lower surface early glabrescent. — Central Sulawesi.	<i>K. celebensis</i>
b	Leaves not truncate at apex, lower surface with persistent induratum or late glabrescent.	13
13a	Lower leaf surface with hairs 0.1 mm long. — Philippines.	<i>K. kunatani subsp. parvifolia</i>
b	Lower leaf surface with hairs of mixed sizes, 0.2-0.7 mm long. — Philippines, N & C-Sulawesi.	<i>K. stellata</i>

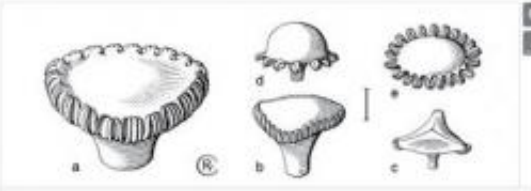


Fig. 24.
Androecia of *Krenema*. — a, *K. woodii* J. Sinclair; b, *K. surtaa* (King) Warb. var. *ampora* J. Sinclair; c, *K. latifolia* Warb.; d, *K. etneri* Merr.; e, *K. mentawaiensis* H.L.P. Winkler. — Scale bar for all = 1 mm.

***Krenema olivaceum* Merr.**

Krenema olivaceum Merr. Philipp. J. Bot. Bot. 12 (1913) 289
Krenema olivaceum Merr. Enum. Philipp. Flor. Pl. 2 (1921) 183
Krenema olivaceum Merr. Bot. J. de Wilde Blumea 25 (1976) 437
 LECTOTYPE: Alvaris 85 2395 Uchi.

Tree 10-15 m. Twigs somewhat angular, 2-2.5 mm in diameter, glabrescent, at first with dense rusty dendroid hairs 0.5 mm long; bark striate, not tending to crack or flake. Leaves chartaceous, oblong to lanceolate, 8-14 by 2.5-3.5 cm, base rounded or short-attenuate, apex longly acute-acuminate; upper surface olivaceous-brown, lower surface greyish, with subsessile grey-brown hairs 0.2-0.3 mm long, when shed leaving minute hair scars; dots absent; midrib raised above; nerves 12-15 pairs, somewhat raised above; venation fine and distinct above; petiole 8-15 by 1-2 mm, late absciscent.

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Map 5. Distribution of the genus *Myristica* Gronov. The inset indicates the eastern part of the total distribution area, with Pacific Islands and Fiji. Download

Map 6. Distribution of the genus *Paromyristica* W.L. de Wilde. Download

Photo 1. *Gymnacanthra bancana* (Miq.) J. Sinclair De Wilde & Duyfjes 20635 — Sumatra. Download

Photo 2. *Gymnacanthra languharana* (Hook. f. & Thomson) Warb. var. *languharana* De Wilde & Duyfjes 20643 — Sumatra. Download

Photo 3. *Gymnacanthra f. arborescens* (King) Warb. var. *arborescens* De Wilde & Duyfjes 20648 — Sumatra. Download

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Photo 6. *Krenema kinabaluensis* J. Sinclair De Wilde & Duyfjes SAN 34193 — Sabah. Download

This image shows the enhanced HTML edition of Flora Malesiana. Credit: Flora Malesiana / Advanced Books

Flora Malesiana is a systematic account of the flora of Malesia, the plant-geographical unit spanning six countries in Southeast Asia: Indonesia, Malaysia, Singapore, Brunei Darussalam, the Philippines, and Papua New Guinea. The plant treatments are not published in a systematic order but as they come about by the scientific efforts of some 100 collaborators all over the world.

With the new platform, such scientifically important historical monographs, enriched with additional information from up-to-date external sources related to organisms' names, species treatments, information on their ecology, distribution and conservation value,

morphological characters, etc., become freely usable for anyone at any place in the world.

The re-publication in advanced open access comes with the many other benefits of the digitization and markup efforts such as data extraction and collation, distribution and re-use of content, archiving of different data elements in relevant repositories and so on.



This image shows the home page of the Advanced Books platform. Credit: Advanced Books

"Advanced Books will bring many outstanding scientific monographs to a new life, however the platform is not only restricted to e-publish our legacy literature." commented Prof. Lyubomir Penev, Managing Director of Pensoft. "New books are mostly welcome on the platform, joining their historical predecessors in an open, common, human- and

machine-readable, data space for the benefit of future researchers and the society in general" concluded Prof. Penev.

More information: de Wilde W (2014) Flora Malesiana. Series I - Seed Plants, Volume 14. Myristicaceae. Re-published online edition. Advanced books: e1135. [DOI: 10.3897/ab.e1135](https://doi.org/10.3897/ab.e1135) .
dx.doi.org/10.3897/ab.e1135

Provided by Pensoft Publishers

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