



Citation: Wong, S.Y. (2024). Additions to the 'Flora of Borneo: The vascular plant genera' — I: *Chewlunia* (Rubiaceae) and *Zygogynum* (Winteraceae). *Webbia. Journal of Plant Taxonomy and Geography* 79(1): 51-52. doi: 10.36253/jopt-15522

Received: December 12, 2023

Accepted: December 12, 2023

Published: March 19, 2024

Copyright: © 2024 Wong, S.Y. This is an open access, peer-reviewed article published by Firenze University Press (<http://www.fupress.com/webbia>) and distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Data Availability Statement: All relevant data are within the paper and its Supporting Information files.

Competing Interests: The Author(s) declare(s) no conflict of interest.

Editor: Riccardo M. Baldini

ORCID
WSY: 0000-0003-4042-9672

Additions to the 'Flora of Borneo: The vascular plant genera' — I: *Chewlunia* (Rubiaceae) and *Zygogynum* (Winteraceae)

SIN YENG WONG

Institute of Biodiversity and Environmental Conservation, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia
E-mail: sywong@unimas.my

Abstract. The newly recognized genus *Chewlunia* Junhao Chen, P.K.Hoo & K.M.Wong (Rubiaceae: Guettardeae), with eight species (seven from the Philippines and one from Sabah), and the genus *Zygogynum* Baill. (Winteraceae), recently recorded for the first time for Borneo with a single, novel, species, are incorporated as entries in the *Flora of Borneo: The vascular plant genera*, taking the Bornean flora to 1594 native genera and 12,592 species.

Keywords: *Chewlunia*, Rubiaceae, Guettardeae, new genus, *Zygogynum*, Winteraceae, new record, Borneo

INTRODUCTION

The *Flora of Borneo: The vascular plant genera* (Wong 2023) presented for first time in more than a century an exhaustive checklist of all genera of ferns and fern allies, gymnosperms, and angiosperms found in Borneo: 271 families: 39 families (ferns and fern allies), 5 families (gymnosperms), and 227 families (angiosperms) of 1877 genera (1592 native genera, 192 introduced genera) and 12590 species.

Inevitably with a project of such magnitude mistakes and omissions occurred, while with on-going research new records and new taxa are to be expected.

Chewlunia Junhao Chen, P.K.Hoo & K.M.Wong

The genus *Chewlunia* Junhao Chen, P.K.Hoo & K.M.Wong (Rubiaceae: Guettardeae) (Chen et al. 2023) was created to account for seven Philippines species previously assigned to *Timonius* DC., and one novel species from Sabah, Borneo – *C. sabahensis* P.K.Hoo & Junhao Chen, the type of the new genus.

“*Chewlunia* differs from other paleotropical Guettardeae genera by its free and valvate, large (‘foliaceous’) stipules that are flat, tightly appressed together, and broadly ovateobovate with rounded apex. Particularly, it is distinguished from *Timonius* s.l. by its typically long, many-flowered monochasial branches of the inflorescence (vs typically short, mostly few-flowered inflorescence branches), pink (vs pale yellow to white) corolla with plane (vs with longitudinally ridged or thickened) corolla lobes.” (*vide* Chen et al. 2023).

Chewlunia may be incorporated as follows into Wong (2023: 243).

190.14.1 ***Chewlunia*** Junhao Chen, P.K.Hoo & K.M.Wong,, Sandakania 1: 32 (2023).

Revision status – A.

Borneo: 1 (native). World: 8. Chen et al. (2023).

Zygogynum Baill.

I was contacted by Tim Utteridge (SING, formerly K) drawing my attention to a paper (Utteridge and Rustiemi 2022) I had overlooked in which two new species of *Zygogynum* Baill. are described from west of both Wallace’s and Lydekker’s Lines. *Zygogynum moluccanum* from the Moluccan islands of Indonesia, and *Z. sundaicum*, a new species and generic record for the Sunda shelf, from the northern part of the Malaysian State of Sarawak in Borneo.

This new generic record may be incorporated as follows into Wong (2023: 297).

225.2 ***Zygogynum*** Baill., Adansonia 7: 298 (1867).

Revision status – A.

Borneo: 1 (native). POWO (2023). World: 47. POWO (2023).

CONCLUSIONS

Recognition of *Chewlunia* and *Zygogynum* takes the flora of Borneo to 1594 native genera and 12,592 species.

REFERENCES

Chen J, Hoo PK, Wong KM 2023. *Chewlunia* (Guettardeae: Rubiaceae), a new genus from Borneo and the Philippines. Sandakania. 24: 31–38.

Chen J, Wong KM. 2023. *Timonius* in Borneo. Kota Kinabalu: Natural History Publications (Borneo).

POWO. 2023. Plants of the world online. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <http://www.plantsoftheworldonline.org/>. Retrieved 9 December 2023.

Utteridge TMA, Rustiemi H. 2022. Out of New Guinea? Two new species of *Zygogynum* (Winteraceae) extend the genus west of Lydekker’s and Wallace’s Lines. Kew Bulletin. 77: 759–771.

Wong SY. 2023. Flora of Borneo: The vascular plant genera. Webbia. 78(2 Suppl.): 5–309. <https://doi.org/10.36253/jopt-1528>