



Lijndenia meeusei, the correct name for the species previously known as *L. lutescens* (Melastomataceae, Olisbeoideae)

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Source: *Candollea*, 73(2) : 257-259

Published By: The Conservatory and Botanical Garden of the City of Geneva (CJBG)

URL: <https://doi.org/10.15553/c2018v732a10>

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Lijndenia meeusei, the correct name for the species previously known as *L. lutescens* (Melastomataceae, Olisbeoideae)

R. Douglas Stone

Abstract

STONE, R.D. (2018). *Lijndenia meeusei*, the correct name for the species previously known as *L. lutescens* (Melastomataceae, Olisbeoideae). *Candollea* 73: 257–259. In English, English and French abstracts. DOI: <http://dx.doi.org/10.15553/c2018v732a10>

Under the principle of priority, the new combination *Lijndenia meeusei* (H. Perrier) R.D. Stone (Melastomataceae, Olisbeoideae) is the correct name for the species previously known as *Lijndenia lutescens* (Naudin) Jacq.-Fél. Use of the superfluous name *Lijndenia memecyloides* R.D. Stone must therefore be abandoned.

Résumé

STONE, R.D. (2018). *Lijndenia meeusei*, le nom correct pour une espèce précédemment connue comme *L. lutescens* (Melastomataceae, Olisbeoideae). *Candollea* 73: 257–259. En anglais, résumés anglais et français. DOI: <http://dx.doi.org/10.15553/c2018v732a10>

Selon le principe de priorité, la nouvelle combinaison *Lijndenia meeusei* (H. Perrier) R.D. Stone (Melastomataceae, Olisbeoideae) est le nom correct pour l'espèce connue précédemment sous le nom *Lijndenia lutescens* (Naudin) Jacq.-Fél. L'utilisation du nom illégitime *Lijndenia memecyloides* R.D. Stone doit être abandonnée.

Keywords

MELASTOMATACEAE – *Lijndenia* – *Memecylon* – Madagascar

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First published online on November 5, 2018.

Introduction

Lijndenia Zoll. & Moritzi (*Melastomataceae*, *Olisbeoideae*) is a paleotropical genus of about 16 species of evergreen shrubs and small to medium-sized trees (BREMER, 1982; STONE, 2006; STONE & LUKE, 2015). For Madagascar, the treatment by JACQUES-FÉLIX (1985) recognized six species. In a recent revision (STONE, 2017), I added three new species and also found that the species previously known as “*L. lutescens* (Naudin) Jacq.-Fél.” was based on an illegitimate name, *Memecylon lutescens* Naudin (NAUDIN, 1852: 269), this being a later homonym of *M. lutescens* C. Presl based on a different type (PRESL, 1851: 208). However, in proposing the replacement name *Lijndenia memecyloides* R.D. Stone, I overlooked the fact that the current circumscription of this species includes the type of another legitimate name, *Memecylon meeusei* H. Perrier (PERRIER DE LA BÂTHIE, 1945: 106).

When determining the correct name in such cases, one must consider not only the legitimacy of basionyms, but also their priority as well as whether a combination of the epithet with the currently accepted generic name has been published (NICOLSON, 1978). Because the basionym *M. lutescens* Naudin is illegitimate, it does not enter into considerations of priority. However, in accordance with Article 58.1 of the ICN (TURLAND et al., 2018), the name *Spathandra lutescens* Jacq.-Fél. (JACQUES-FÉLIX, 1978: 228) and the combination *Lijndenia lutescens* (Jacq.-Fél.) Jacq.-Fél. (JACQUES-FÉLIX, 1985: 44) are both legitimate, but their priority would shift from 1852 to 1978. Given these circumstances, the basionym *Memecylon meeusei* (first published in 1945) must be adopted since it has the earliest available epithet, and *Lijndenia meeusei* would be the correct name (ICN: Art. 11.4) once a new combination is published. The name *L. lutescens* would thus become a taxonomic (heterotypic) synonym, and my proposed replacement name *L. memecyloides* is superfluous and must be rejected (ICN: Art. 52.1).

Nomenclature

Lijndenia meeusei (H. Perrier) R.D. Stone, **comb. nova.**

= *Memecylon meeusei* H. Perrier in Notul. Syst. (Paris) 12: 106. 1945.

Lectotypus (designated by STONE, 2017: 80): **MADAGASCAR. Prov. Toamasina:** Soanierana-Ambahoabé, 75 m, 3.XII.1938, fl., *Lam & Meeuse 5624* (L [L0009293]!; isolecto-: BR [BR000000626121]!, P [P00057569, P00057570]!, WAG [WAG0002347]!).

= *Lijndenia memecyloides* R.D. Stone in Candollea 72: 80. 2017 [nom. illeg.]. = *Memecylon lutescens* Naudin in Ann. Sci. Nat., Bot., ser. 3, 18: 269. 1852 [nom. illeg.] [non *M. lutescens* C. Presl]. = *Spathandra lutescens* Jacq.-Fél. in Adansonia ser. 2, 18 : 228. 1978. = *Lijndenia*

lutescens (Jacq.-Fél.) Jacq.-Fél. in Bull. Mus. Natl. Hist. Nat., B, Adansonia 7: 44. 1985. **Lectotypus** (designated by STONE, 2017: 80): **MADAGASCAR:** *sine loco*, s.d., fl., *du Petit-Thouars s.n.* (P [P00057566]!; isolecto-: P [P00057567]!; BR [BR000000626115] fragment!).

Notes. – The leaf shape and peduncle length of *Lam & Meeuse 5624* (type of *Memecylon meeusei*) are unusual in comparison to the remaining collections assigned to *Lijndenia lutescens* (STONE, 2017). Because of this, it is rather unfortunate that the new combination *L. meeusei* must be taken up in accordance with the rule of priority. Under the present circumscription, however, these plants are regarded as conspecific. If future workers determine that the type of *Memecylon meeusei* belongs to a different species, then *L. lutescens* (Jacq.-Fél.) Jacq.-Fél. would become the correct name for the plants previously known as *L. lutescens* (Jacq.-Fél.) Jacq.-Fél. The replacement name *L. memecyloides* R.D. Stone was illegitimate when published and will remain so unless conserved (ICN: Art. 6.4).

Acknowledgements

Thanks to Peter G. Wilson for pointing out my earlier nomenclatural error, and to John McNeill and Martin Callmender for useful discussion. The manuscript was improved thanks to comments made by Laurent Gautier and Peter B. Phillipson.

References

- BREMER, K. (1982). Lijndenia, a re-established paleotropical genus of the Melastomataceae – Memecyleae. *Nordic J. Bot.* 2: 121–124.
- JACQUES-FÉLIX, H. (1978). Les genres de Memecyleae (Melastomataceae) en Afrique, Madagascar et Mascareignes. *Adansonia* ser. 2, 18: 221–235.
- JACQUES-FÉLIX, H. (1985). Les Memecyleae (Melastomataceae) de Madagascar (2^e partie). *Bull. Mus. Natl. Hist. Nat., B, Adansonia* 7: 3–58.
- NAUDIN, C.V. (1852). Melastomacearum monographicae descriptionis [continued]. *Ann. Sci. Nat., Bot.* ser. 3, 18: 257–287.
- NICOLSON, D.H. (1978). Illegitimate “basionyms,” impact on priority and author citation or, the rise of *Desmodium incanum* and fall of *D. canum* (Fabaceae). *Taxon* 27: 365–370.
- PERRIER DE LA BÂTHIE, H. (1945). Notes sur quelques Mélastomacées nouvelles ou peu connues de Madagascar. *Notul. Syst. (Paris)* 12: 89–113.
- PRESL, K.B. (1851). *Epimeliae botanicae*. Amadei Haase, Prague.
- STONE, R.D. (2006). Phylogeny of major lineages in Melastomataceae, subfamily Olisbeoideae : utility of nuclear glyceraldehyde 3-phosphate dehydrogenase (GapC) gene sequences. *Syst. Bot.* 31: 107–121.
- STONE, R.D. (2017). Revised treatment of the genus Lijndenia (Melastomataceae, Olisbeoideae) in Madagascar. *Candollea* 72 : 67–86.
- STONE, R.D. & Q. LUKE (2015). Lijndenia udzungwarum (Melastomataceae-Olisbeoideae): a new, endemic species from the Udzungwa Mountains of southern Tanzania. *Phytotaxa* 226: 169–176.
- TURLAND, N.J., J.H. WIERSEMA, F.R. BARRIE, W. GREUTER, D.L. HAWKSWORTH, P.S. HERENDEEN, S. KNAPP, W.-H. KUSBER, D.-Z. LI, K. MARHOLD, T.W. MAY, J. MCNEILL, A.M. MONRO, J. PRADO, M.J. PRICE & G.F. SMITH (2018). International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code) adopted by the Nineteenth International Botanical Congress, Shenzhen, China, July 2017. *Regnum Veg.* 159.